



March 11, 2026

New Mexico Oil Conservation Division

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

**Re: Remediation Work Plan
Tiger 14 CDP TB
Incident Number: nAPP2505726681
Eddy County, New Mexico**

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Remediation Work Plan (RWP)* to document assessment and soil sampling activities performed at the Tiger 14 CDP TB (Site). The purpose of the Site assessment and soil sampling activities was to address impacted and waste-containing soil resulting from a crude oil release. Matador is submitting this *RWP*, describing analytical results from soil sampling and karst survey activities associated with Incident Number nAPP2505726681 and proposing to address the current sensitive Site receptor (high karst potential) of the subject matter release prior to beginning excavation activities and prior to submitting a *Closure or Deferral Request*.

BACKGROUND

The Site is located in Unit P, Section 14, Township 24 South, Range 28 East, in Eddy County, New Mexico (32.21114°, -104.05146°) and is associated with oil and gas exploration and production operations on Private Land.

On February 25, 2025, an equipment failure resulted in the release of approximately 47 barrels (bbls) of crude oil into the lined secondary containment and onto the pad surface; 30 bbls of crude oil were recovered, 17 bbls of crude oil were unrecoverable. Matador reported the release to the NMOCD via the NMOCD portal on February 26, 2025, and submitted a Release Notification Form C-141 (Form C-141) on February 27, 2025. The release was assigned Incident Number nAPP2505726681.

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, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Site Assessment/Characterization is described below.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-04828 POD 1, located approximately 0.22 miles northeast of the Site. The well was a soil boring drilled to assess depth to groundwater beneath the Site. The soil boring was advanced to a depth of approximately 55 feet below ground surface (bgs) on June 10, 2024, and measured on June 13, 2024, to be dry. Therefore, depth to groundwater beneath the Site is estimated to be greater than 55 feet bgs. The well log record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 2,388 feet southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is potentially underlain by unstable geology (high potential karst designation area). Site receptors are identified on Figure 1.

On June 6, 2025, Ensolum commissioned a geophysical karst survey using a New Mexico Bureau of Land Management (BLM) approved third-party cave/karst contractor. The karst survey was conducted by Southwest Geophysical Consulting, LLC, under the supervision of Dave Decker. The findings of the report indicated there was no evidence of surficial karst features within 200 feet of the release or beneath the Site, and one anomaly consistent with a potential sub-surface air-filled void was identified southeast of the Site, within the 200-meter boundary. The anomaly was identified with the non-invasive electrical resistivity (ER) survey. Dave Decker identified the high resistivity anomaly during the ER survey with the top of the anomaly interpreted at approximately 12 feet bgs to 44 feet bgs.

In addition, two surficial features identified as potential karst features were within a pipeline right-of-way and appear to be related to backfill subsidence and not karst features. Lastly, the ER survey indicated potentially chaotic and unstable geology. The karst survey report is included in Appendix B.

During vertical delineation efforts at the Site, a soil boring (BH19) was advanced to 16 feet bgs. Lithology encountered generally consists of sandy clays and silty sands with gypsum present throughout all layers. The interbedding of sands and clay with the presence of gypsum could explain the chaotic geology observed in the ER survey results. Additional drilling and documentation of lithology would support or refute the ER survey results.

Based on the findings of the karst survey, additional investigation of the potential unstable geology and/or potential conduits to groundwater through karst features appeared warranted to confirm the presence or absence prior to initiating remedial actions.

On January 29, 2026, Ensolum returned to the Site to advance three, preapproved, karst assessment borings (KA01 through KA03) to assess an anomaly found during the karst survey utilizing a truck-mounted air rotary drill. The soil borings were advanced to a depth of 44 feet bgs to assess the full anomaly. Observations during drilling activities indicated the absence of voids as confirmed by continued cuttings present throughout the full depth of the anomaly and no sudden drop on the air rotary tooling. During the boring activities, the stratigraphy was identified as sand and clay layers with a shallow indurated caliche layer encountered at roughly 1-foot bgs and extending to 13 feet bgs on top of sand and clay layers beneath. Beginning at 30 feet bgs, a loose sandy clay and gravel mixture was encountered and extends to the terminal depth of borings KA1 and KA3, and 40 feet bgs in KA2 with grain size and pore space increasing as depth increases starting at 30 feet bgs. The locations of the three karst assessment borings are depicted on Figure 2. Observations for the karst assessment boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C. Photographic documentation of delineation activities is included in Appendix D.

The bedding and grading of the sedimentary strata within the anomaly appears to be indicative of paleo stream channels that were filled in as a result of depositional processes and not through karst processes. The sediment within the paleo channel is not as compacted as soil surrounding the channels. The change in soil density inside and outside the channel would present different resistivity signatures, specifically, the paleo channel is looser/less dense than the soil surrounding it and therefore has more pore space/air, which would result in a higher resistivity than that of the surrounding soil.

The bore logs from the karst assessment borings were reviewed by Dave Decker once the drilling investigation was completed. Mr. Decker stated that the shallow boundary between the clay layers and overlying indurated caliche at 13 feet bgs may have caused a false low resistivity reading below that was interpreted as a potential void. The results from the karst verification assessment investigation, no voids and the false anomaly reading due to the caliche/clay boundary found appears to have been the reason for the anomaly reading in the karst survey data. Lithology observed during drilling did not indicate any unusual geological conditions that would indicate the subsurface was unstable.

Since the karst assessment delineation identified stable ground beneath the Site and the absence of karst features, immediate risk to groundwater does not appear to be present at the Site and therefore unstable geology does not appear to be a sensitive receptor as it relates to the Site.

REVISED SITE CLOSURE CRITERIA

Based on the karst assessment borings, and lack of other sensitive Site receptors, with depth to groundwater within 0.5 miles determined to be greater than 50 feet bgs, the following NMOCD Closure Criteria applies at the Site:

- Benzene: 10 mg/kg
- BTEX: 50 mg/kg
- TPH-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 10,000 mg/kg

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

Beginning on February 26, 2025, Ensolum personnel were onsite to delineate the lateral and vertical extent of the release as indicated by field observations and information provided in the C-141. Soil samples were collected from four lateral sample locations (SS01 through SS04) at the ground surface and at 1-foot bgs. A total of 20 boreholes (BH01 through BH20) were advanced via hand auger and core drill within the release extent to assess the vertical extent of the release. Boreholes BH01 through BH20 were advanced to depths ranging from 1-foot to 16 feet bgs.

A liner integrity inspection was conducted on March 20, 2025, and the liner was found to be insufficient in containing the release. Boreholes BH01 through BH05 were advanced within the lined secondary containment area utilizing a hand auger and core drill to determine the vertical extent of impacted and waste-containing soil beneath the containment area. Borehole BH01 was advanced to a depth of 12 feet bgs, borehole BH02 was advanced to a depth of 16 feet bgs, borehole BH03 was advanced to a depth of 2 feet bgs, borehole BH04 was advanced to a depth of 3 feet bgs, and borehole BH05 was advanced to a depth of 6 feet bgs. After the delineation inside the secondary containment area was completed, all holes were patched by Ensolum personnel and Dupree Energy LLC.

Boreholes BH06 through BH20 were advanced outside of the lined containment via hand auger and core drill. Boreholes BH06, BH08, BH09, BH10, BH16 and BH18 were advanced to a depth of 2 feet bgs, boreholes BH07, BH11 through BH14, and BH17 were advanced to a depth of 1-foot bgs, boreholes BH15 and BH20 were advanced to a depth of 3 feet bgs, and borehole BH19 was advanced to a depth of 16 feet bgs.

Soil samples were collected from each borehole in 1-foot intervals. All delineation soil samples were field screened for chloride and TPH utilizing Hach® chloride QuanTab® test strips and a PetroFLAG® Soil Analyzer System, respectively. The soil sample locations are depicted on Figure 3. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C. Photographic documentation of delineation activities is included in Appendix D.

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

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated:

- All COC concentrations for lateral delineation soil samples SS01 through SS04 were all in compliance with the strictest Closure Criteria at the ground surface and 1-foot bgs.
- The soil samples from borehole BH01 and BH02 were in compliance with the strictest Closure Criteria at 12 feet and 16 feet bgs, respectively.
- The soil samples from boreholes BH03, BH04, BH06, BH08, BH16, and BH18 were in compliance with the strictest Closure Criteria at 2 feet bgs.
- The soil sample from borehole BH05 was in compliance with the strictest Closure Criteria at 6 feet bgs.
- The soil samples from boreholes BH07, BH09 through BH14, and BH17 were in compliance with the strictest Closure Criteria at 1-foot bgs;
- The soil samples from boreholes BH15 and BH20 were in compliance with the strictest Closure Criteria at 3 feet bgs.
- The footprint of potentially impacted and/or waste-containing soil encompasses approximately 33,604 square feet of the pad surface.

Laboratory results are summarized in Table 1 and laboratory analytical reports are included in Appendix E. NMOCD correspondence can be referenced in Appendix F.

PROPOSED REMEDIATION WORK PLAN

Absent potential unstable geology, there are no sensitive receptors present in the prescribed distances set forth in 19.15.29.12 NMAC, and depth to groundwater has been reasonably estimated to be between 51 feet and 100 feet bgs. As stated in the geophysical survey, the ER survey results are interpretations until verified by subsurface methods. As such, Matador proposes to complete excavation activities at the Site according to the following actions:

- Delineation soil sample location BH19 will be advanced to vertically delineate to the strictest Closure Criteria.
- The excavation will be completed with mechanical equipment, and the proposed excavation extent is depicted on Figure 4. Figure 4 depicts the proposed excavation extent as no sensitive Site receptors were identified at the Site and depth to groundwater is greater than 51 feet bgs.

Matador Production Company
Remediation Work Plan
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- The impacted area measures 1,074 square feet (sq ft) in size and would be excavated to a depth of 1-foot bgs. An estimated 40 cubic yards of impacted soil requires excavation. This work will include addressing TPH impacted soil identified in borehole BH15 at ground surface, see Figure 2.
- Impacted soil will be transferred to an approved landfill facility for disposal.
- Following the removal of impacted and waste containing soil, Ensolum personnel will collect 5-point composite soil samples representing no more than 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples will be collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. The excavation soil samples will be collected, handled, and analyzed following the same procedures as described above.
- The excavation will be backfilled with clean fill material and recontoured to match pre-existing conditions.
- If there are areas to be deferred on pad due to the presence of equipment and/or pipelines, such as those under the lined secondary containment, delineation samples will be collected to properly quantify the residual soil impacts that will be addressed during major Site reconstruction or following plugging and abandonment of the well and reclamation of the well pad.

Matador believes this RWP and will be protective of human health, the environment, and groundwater. Matador will complete the proposed excavation and soil sampling activities within 180 days of the date of approval of this RWP by the NMOCD.

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

Sincerely,
Ensolum, LLC

A handwritten signature in black ink, appearing to read "Chad Hamilton".

Chad Hamilton
Project Geologist

A handwritten signature in black ink, appearing to read "Daniel R. Moir".

Daniel R. Moir, PG (licensed in WY & TX)
Associate Principal, Geologist

cc: Jason Touchet, Matador Production Company

Matador Production Company
Remediation Work Plan
Tiger 14 CDP TB



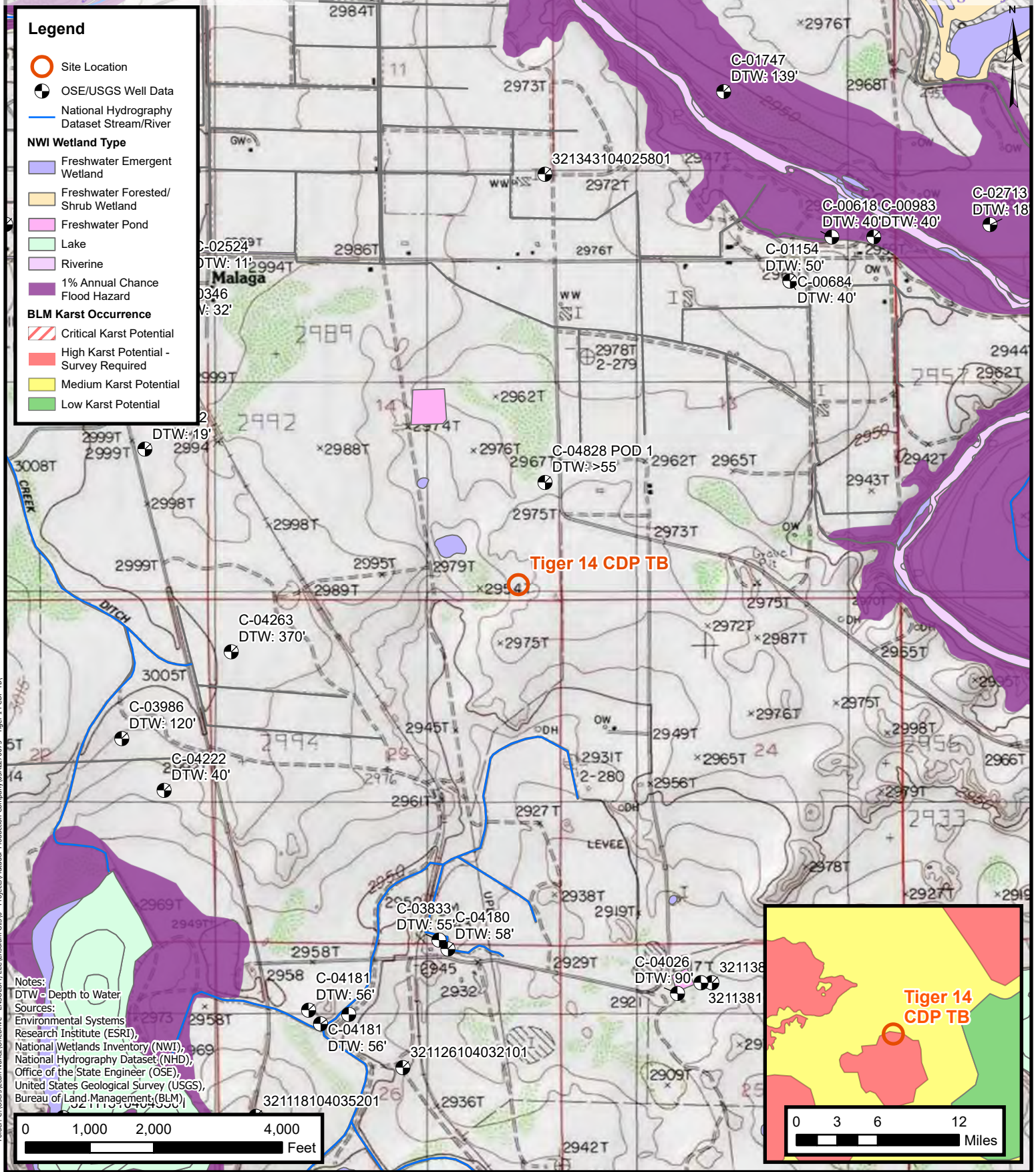
Appendices:

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



FIGURES








Site Receptor Map

Matador Production Company
 Tiger 14 CDP TB
 Incident Number: nAPP2505726681
 Unit P, Section 14, T 24S, R 28E
 Eddy County, New Mexico

FIGURE
1



Legend

-  Proposed Karst Assessment Location
-  Lined Containment
-  Release Extent



Folder: C:\Users\jhuang\OneDrive - ENSOLUM, LLC\Ensolum_GSDP - Project\Matador Production Company\9340278925 - Tiger 14 CDP TB

Sources: Environmental Systems Research Institute (ESRI)



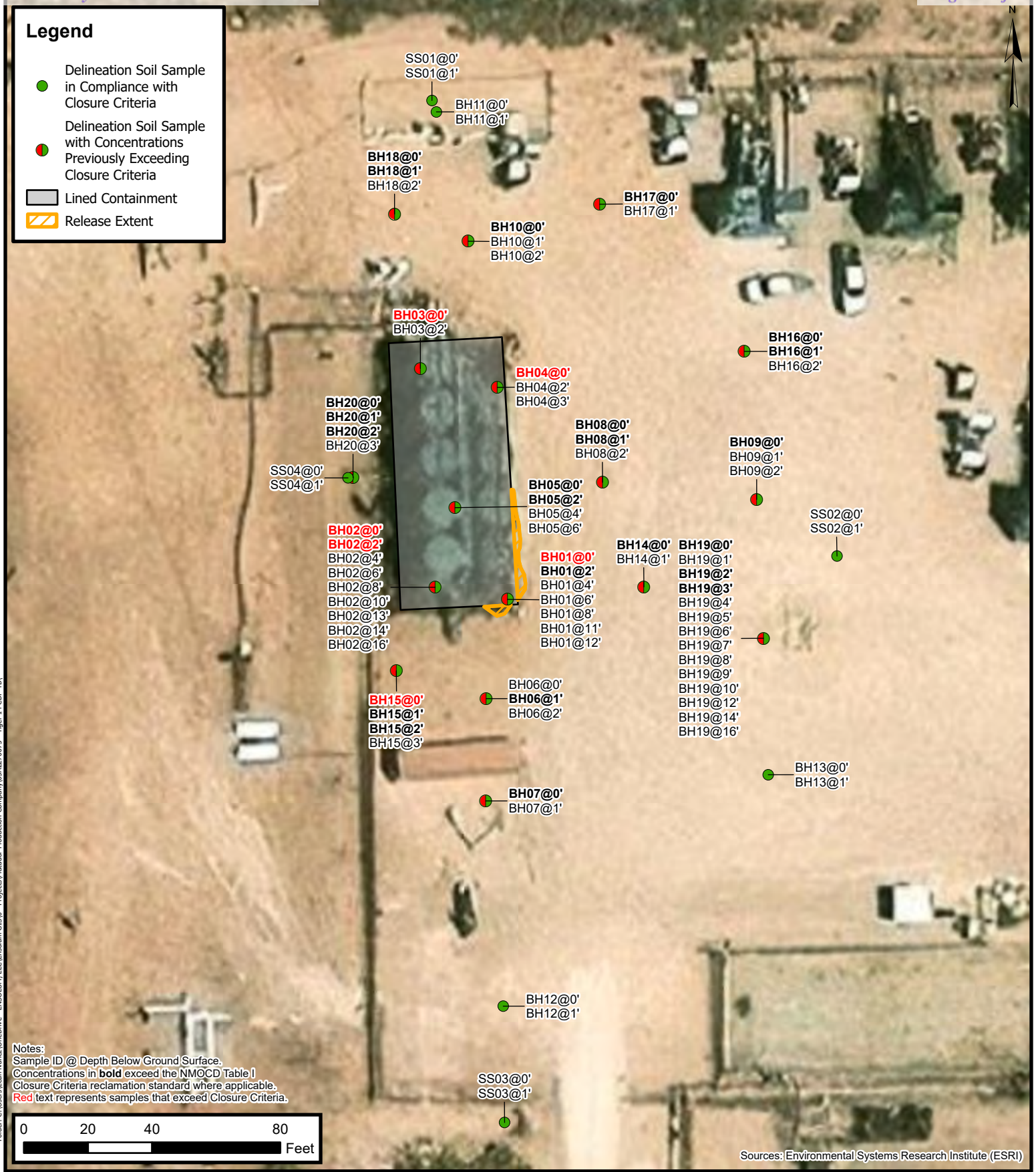
Karst Assessment Locations

Matador Production Company
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Eddy County, New Mexico

FIGURE 2

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Lined Containment
- Release Extent



Delineation Soil Sample Locations




Matador Production Company
 Tiger 14 CDP TB
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 Unit P, Section 14, T 24S, R 28E
 Eddy County, New Mexico

FIGURE

3



Legend

-  Lined Containment
-  Proposed Excavation Extent Based on Closure
-  Criteria Reflective of Depth to Groundwater Greater than 55 feet bgs



Sources: Environmental Systems Research Institute (ESRI)



Proposed Excavation Extent

Matador Production Company
 Tiger 14 CDP TB
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 Unit P, Section 14, T 24S, R 28E
 Eddy County, New Mexico

FIGURE
4



TABLES

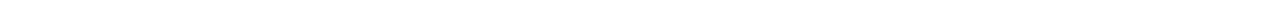


TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Tiger 14 CDP TB
 Matador Production Company
 Eddy County, New Mexico

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	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 55 feet bgs			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples										
SS01	4/4/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
SS01	4/4/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
SS02	4/7/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	173
SS02	5/1/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	155
SS03	4/7/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	4/7/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	234
SS04	3/7/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	118
SS04	3/7/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	361
BH01	3/20/2025	0	0.444	20.254	342	13,700	7,990	14,042	22,032	480
BH01	3/20/2025	2	<0.0250	<0.0500	<20.0	<25.0	94.0	<25.0	94	3,420
BH01	3/20/2025	4	<0.0250	0.0255	<20.0	<25.0	67.9	<25.0	67.9	1890
BH01	3/20/2025	6	<0.0250	<0.0500	<20.0	<25.0	50.0	<25.0	50	2,660
BH01	3/20/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,910
BH01	3/20/2025	11	<0.0250	<0.0500	<20.0	82.1	70.5	82.1	152.6	334
BH01	4/4/2025	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
BH02	3/20/2025	0	<0.0250	30.51	240	6,780	2,370	7,020	9,390	3,830
BH02	3/20/2025	2	<0.0250	<0.0500	<20.0	<25.0	62.8	<25.0	62.8	11,700
BH02	3/20/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,350
BH02	3/20/2025	6	<0.0250	<0.0500	<20.0	34.1	<50.0	34.1	34.1	9,610
BH02	3/20/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,020
BH02	3/20/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,430
BH02	3/20/2025	13	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,690
BH02	4/7/2025	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,690
BH02	4/7/2025	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	449
BH03	3/20/2025	0	0.0804	43.950	350	14,900	4,650	15,250	19,900	684
BH03	3/20/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	402
BH04	3/20/2025	0	<0.0250	0.0632	<20.0	1,070	1,650	1,070	2,720	970
BH04	3/20/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	531
BH04	3/20/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	175
BH05	3/20/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,230
BH05	3/20/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,040
BH05	3/20/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	769

TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 Tiger 14 CDP TB
 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	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 55 feet bgs			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples										
BH05	3/20/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	375
BH06	4/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	502
BH06	4/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	819
BH06	4/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
BH07	4/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,570
BH07	4/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	258
BH08	4/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	962
BH08	4/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	927
BH08	4/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	260
BH09	4/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	705
BH09	4/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	490
BH09	4/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	70.6
BH10	4/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	738
BH10	4/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	416
BH10	4/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
BH11	4/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH11	4/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
BH12	5/1/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH12	5/1/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	179
BH13	5/1/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	136
BH13	5/1/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	117
BH14	5/1/2025	0	<0.0250	<0.0500	<20.0	120	248.0	120	368	1,930
BH14	5/1/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	415
BH15	5/1/2025	0	<0.0250	<0.0500	<20.0	3,660	1,800	3,660	5,460	11,400
BH15	5/1/2025	1	<0.0250	<0.0500	<20.0	25.3	108	25.3	133	3,620
BH15	5/1/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,270
BH15	5/1/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	323
BH16	5/1/2025	0	<0.0250	<0.0500	<20.0	76.3	365	76.3	441	1,100
BH16	5/1/2025	1	<0.0250	<0.0500	<20.0	<25.0	52.1	<25.0	52.1	1,090
BH16	5/1/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	136
BH17	5/1/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,950
BH17	5/1/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	302

TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 Tiger 14 CDP TB
 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	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 55 feet bgs			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples										
BH18	5/1/2025	0	<0.0250	<0.0500	<20.0	95.4	74.2	95.4	170	1,750
BH18	5/1/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	617
BH18	5/1/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	230
BH19	5/2/2025	0	<0.0250	<0.0500	<20.0	94.8	206	94.8	301	124
BH19	5/2/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	483
BH19	5/2/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,420
BH19	5/2/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	659
BH19	5/2/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,060
BH19	5/2/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,790
BH19	5/2/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,520
BH19	5/2/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,640
BH19	5/2/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,250
BH19	5/2/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,300
BH19	5/2/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,800
BH19	5/12/2025	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,340
BH19	5/12/2025	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,550
BH19	5/12/2025	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,730
BH20	5/1/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,130
BH20	5/1/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,540
BH20	5/1/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	986
BH20	5/1/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	260

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

Red text represents samples that exceed expected Closure Criteria

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

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

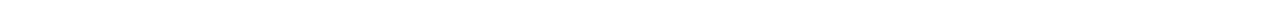
TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Well Log and Record





WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1		WELL TAG ID NO. N/A		OSE FILE NO(S). C-04828 POD 1	
	WELL OWNER NAME(S) Matador Production Company				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS R347 N26th Rural Street 2nd Floor				CITY Artesia	STATE ZIP NM 88210
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 12	SECONDS 56.0	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LATITUDE		N	* DATUM REQUIRED: WGS 84	
	LONGITUDE	104	03	00.3	W	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Unit E, Section 14, Township 24S, Range 28E, Eddy County, NM						

2. DRILLING & CASING INFORMATION	LICENSE NO. WD1188		NAME OF LICENSED DRILLER John Scarborough		NAME OF WELL DRILLING COMPANY John Scarborough Drilling Inc.			
	DRILLING STARTED 06/10/2024	DRILLING ENDED 06/10/2024	DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	5.00	Soil Boring	-	-	-	-

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	10	10	Sand with Gravel, light brown to tan, fine to medium with some gravel	Y ✓ N	
	10	20	10	Sand with Gravel, light brown to tan, fine to medium with some gravel	Y ✓ N	
	20	30	10	Sand with Gravel, light brown to tan, fine to medium with some gravel	Y ✓ N	
	30	40	10	Gypsum with Gravel, Clear with pink to black inclusions, fine to coarse with gra	Y ✓ N	
	40	50	10	Gypsum with Gravel, Clear with pink to black inclusions, fine to coarse with trac	Y ✓ N	
	50	55	5	Gypsum with Gravel, Clear with pink to black inclusions, fine to coarse with gra	Y ✓ N	
	55	55	0	Gypsum with Gravel, Clear with pink to black inclusions, fine to coarse with gra	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:	

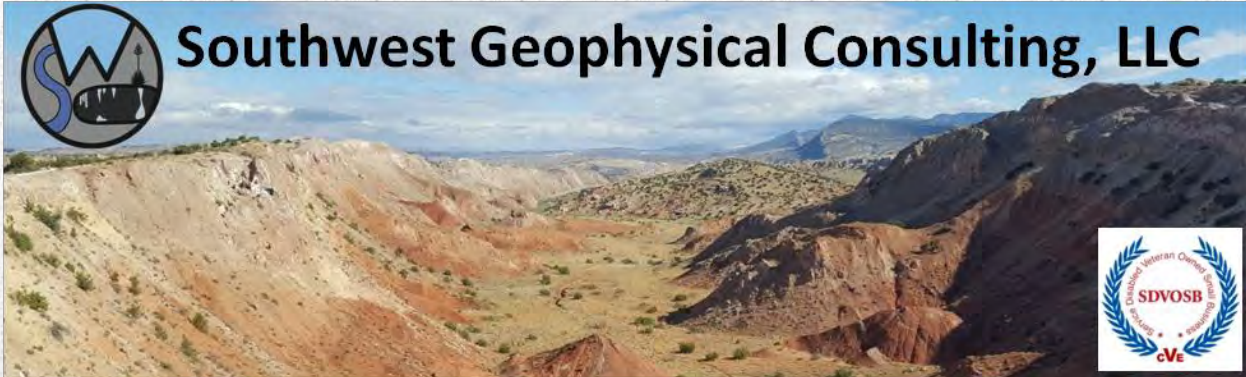
6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.	
	Scott Scarborough Digitally signed by Scott Scarborough Date: 2024.06.26 07:04:55 -06'00'	Scott Scarborough
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.		PAGE 2 OF 2



APPENDIX B

Karst Survey



**Environmental Karst Study Report
Tiger 14 CDP
Eddy County, New Mexico**

Prepared For:

**Ensolum, LLC
3122 National Parks Highway
Carlsbad, NM 88220**

Within 200 feet of the spill delineation boundary:

- Negative Positive for surface karst
- Stable Unstable Ground
- Karst Monitor Recommended

August 6, 2025

ENS-017-20250523

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MMXXV

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1.0 INTRODUCTION

This report was commissioned by Ensolum, LLC (hereinafter referred to as "the client"), on May 23, 2025, for the purpose of conducting an environmental karst study within an area encompassing the Tiger 14 CDP release site (hereinafter termed "TG14") centered at N 32.211485° W 104.050900°.

1.1 Goals of this Study

The goals of this study are to conduct a surface karst inventory and provide the client with the location and description of any surface karst features located within 200 feet (61 meters) of the spill delineation boundary (as defined by 19.15.29.12 NMAC^[1]), and to determine whether stable ground exists (as defined by 19.15.2 NMAC Definitions^[2]) within 200 feet of the spill delineation boundary of the Tiger 14 CDP release as provided by the client via e-mail (**Tiger 14 CDP Release Extent.kmz**) on May 23, 2025, using electrical resistivity imaging^[3].

1.2 Summary of Findings

- **No surface karst features exist within 200 feet (61 meters) of the spill delineation boundary.** Two surface karst features exist within the **200-meter** survey boundary.
- **One anomaly consistent with a subsurface air-filled void is interpreted to exist within the TG14 geophysical survey area, indicating the zone beneath the geophysical survey may be subject to collapse.**
- **Chaotic stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted, indicating unstable ground within the 200-foot survey boundary.**

1.3 Affected Environment

The TG14 project site is located in evaporite karst terrain, a landform that is characterized by underground drainage through solutionally enlarged conduits. Evaporite karst terrain may contain sinkholes, sinking streams, caves, and springs. Sinkholes leading to underground drainages and voids are common. These karst features, as well as occasional fissures and discontinuities in the bedrock, provide the primary sources for rapid recharge of the groundwater aquifers of the region. Additionally, karst may develop by hypogene processes involving dissolution by upwelling fluids from depth independent of recharge from the overlying or immediately adjacent surface. Hypogene karst systems may not be connected to the surface and can remain undiscovered unless encountered during drilling or excavation.

Karst features are delicate resources that are often of geological, hydrological, biological, and archeological importance, and should be protected. The four primary concerns in these types of terrain are environmental issues, worker safety, equipment damage, and infrastructure integrity.

The Bureau of Land Management (BLM) categorizes all areas within the Carlsbad Field Office (CFO) zone of responsibility as having either low, medium, high, or critical cave potential based on geology, occurrence of known caves, density of karst features, and potential impacts to freshwater aquifers^[4]. These designations are also recognized by the New Mexico State Land Office (NMSLO). This project occurs within a **HIGH** karst occurrence zone (HKOZ)^[5] (**Figure 1**).

A high karst occurrence zone is defined as an area in known soluble rock types that contains a high frequency of significant caves and karst features such as sinkholes, bedrock fractures that provide rapid recharge of karst aquifers, and springs that provide riparian habitat^[4].

Due to the rapidity with which evaporite karst develops, each location within a BLM-CFO designated critical or high karst occurrence zone must be assessed on an individual basis to determine the existence of surface karst features and the possibility of sub-surface karst development each time a release occurs.

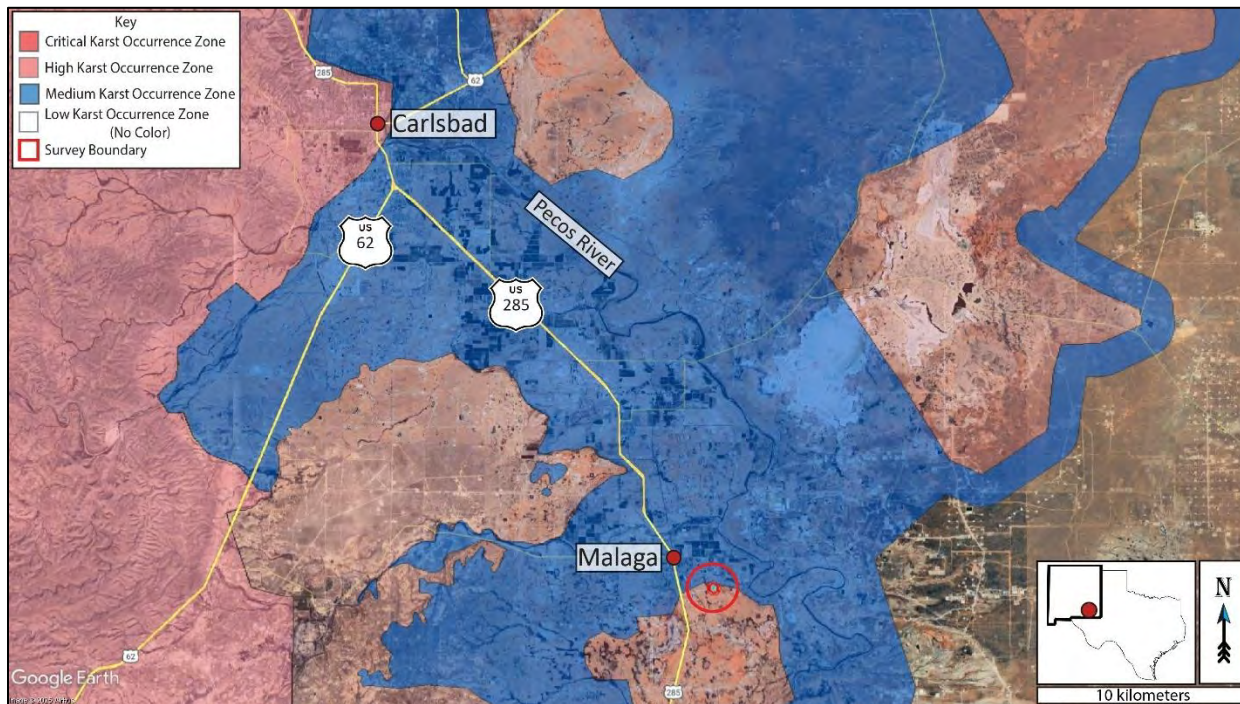


Figure 1: Karst occurrence zone overview. Background image credit: Google Earth. Image date: July 13, 2024. Image datum: WGS-84.

1.4 Limitations of Report

This report should be read in full. No responsibility is accepted for the use of any part of this report in any other context or for any other purpose or by third parties. This report does not purport to give legal advice. Legal advice can only be given by qualified legal practitioners.

This report has been prepared for the use of Ensolum, LLC, in accordance with generally accepted consulting practices. Every effort has been made to ensure the information in this report is accurate as of the time of its writing. This report has not been prepared for use by parties other than the client, their contracting party, and their respective consulting advisors. It may not contain sufficient information for the purposes of other parties or for other uses.

This report was prepared upon completion of the associated fieldwork using a standard template prepared by Southwest Geophysical Consulting and is based on information collected prior to fieldwork, conditions encountered on site, and data collected during the fieldwork and reviewed at the time of preparation. Southwest Geophysical Consulting disclaims responsibility for any changes that might have occurred at the site after this time. The interpreted results, locations, and depths noted in this report (if applicable) should be taken as an interpretation only and no decision should be based solely on this information. Physical verification of aerial imagery analysis results should be conducted in the field prior to using this information for remediation planning. Physical verification of geophysical results using geotechnical methods should be conducted.

To the best of our knowledge, the information contained in this report is accurate at the date of issue. Due to the nature of karst terrain, the information in this report shall not be used beyond two years past the date of the field work provided in section **2.3 Description of Survey**. Large weather events can shorten this time period as areas subject to karst development can rapidly form new features subsequent to these events.

2.0 LOCATION AND DESCRIPTION OF STUDY AREA

2.1 Description of Site

The site is located 2.5 kilometers (1.6 miles) southeast of Malaga, New Mexico, east of U.S. Highway 285 and west of the Pecos River. The release area is located within the SE ¼ section of section 14, NM T24S R28E^[6] (**Figure 1** and **Figure 2**). The region has flat terrain with karstification occurring in the gypsite soils and underlying gypsum and dolomite bedrock^[7] (see section **2.2 Local Geology Summary** for further information). The climate in this area of southeast New Mexico is semi-arid with an average annual precipitation of approximately 13 inches, of which about two-thirds falls as rain during summer thunderstorms from June to October. Summers are hot and sunny while winters are generally mild, with an average maximum temperature of 96°F in July and an average minimum temperature of 28°F in January^[8]. This area is within the Chihuahuan Desert Thornscrub as defined by the Southwestern Regional ReGAP Vegetation map^[9] and the vegetation consists mostly of areas of blue grama, nine-awned pappus grass, burro grass and low scrub including yucca. The spill delineation boundary is located within an HKOZ^[5] (**Figure 1**) and within privately managed land^[10] (**Figure 2**).



Figure 2: Land ownership and PLSS overview. Background image credit: Google Earth. Image date: July 13, 2024. Image datum: WGS-84.

2.2 Local Geology Summary

The site for the TG14 survey is located at an elevation of 904 meters (2,965 feet), \pm 3 meters (9.8 feet). This region is entirely underlain by the Permian Rustler Formation (Pru). The area is mantled by thin gypsiferous soils (gypsite), Quaternary alluvial piedmont (Qp), eolian deposits (Qe), and alluvium (Qal)^[11] up to 5 meters in depth (**Figure 3**).

The Rustler Formation is an evaporite facies composed mainly of thin siltstones and sandstones interbedded with claystones, dolomite, and gypsum, and contains both karst-forming strata (the Forty-niner and Tamarisk members) and two shallow aquifers (the Magenta and Culebra Dolomite members)^[12].

The Pru overlies the Permian Salado Formation (Psl), a layer of extremely soluble halite which can readily dissolve to create caves, sinkholes, and other karst features; however, due to its extremely soluble nature, only non-soluble silt and sand remain from the dissolution of this layer at the surface^[12]. The Rustler Formation may be subject to collapse if a void has developed beneath it in the Salado Formation^[13].

The survey area is covered by the easily accessible Geologic Map of New Mexico (2003) at 1:500,000 scale^[14] and the Digital Geologic Map of New Mexico in ARC/INFO Format^[11].



Figure 3: Geology overview. Geology map credit: The Digital Geologic Map of New Mexico in ARC/INFO Format. Background image credit: Google Earth. Image date: July 13, 2024. Image datum: WGS-84.

2.3 Description of Survey

2.3.1 Surface Karst Survey

Southwest Geophysical Consulting, in partnership with SWCA Environmental Consultants, provides surface karst surveys using small, uncrewed aerial systems (sUAS) that are flown by qualified, FAA licensed drone pilots and that meet the stringent Bureau of Land Management – Carlsbad Field Office requirements for both pedestrian and aerial karst surveys.

The surface karst survey includes a desk study prior to the flight which allows us to provide client feedback in the event of any previously known karst features in the area. The desk study is performed out to 305 meters (1,000 feet) from the spill delineation boundary per New Mexico Oil Conservation Division guidance^[1] (**Figure 4**). The study was performed using satellite and aerial imagery from Google Earth Pro dated July 13, 2024 (please note features less than one meter in diameter are generally not visible using this method); the Southwest Geophysical Cave and Karst Database dated July 5, 2025^[15]; the Angel Draw, NM, 1:24,000 quad, 1985, USGS topographic map; and the latest lidar imagery from CalTopo.com. Please note that we use older topographic maps because newer maps have had caves removed from them. These searches and queries returned no results within the survey boundary.

Surface karst surveys are conducted by sUAS at low elevation within 200 meters of the spill delineation boundary^[4] (**Figure 4**) following a preplanned raster pattern flightpath designed for the purpose of generating at least 75% imagery overlap. The collected high-resolution, georeferenced imagery is stitched together to develop orthomosaic imagery which is further developed into a digital elevation model (DEM); the DEM is then processed into a local relief model (LRM) (**Figure 6**). This LRM is color coded to enhance differences in elevation of as little as five centimeters. The orthoimagery, DEM, and LRM are uploaded to a server where they are analyzed by an experienced karst geologist. Finally, the data is reviewed by a senior karst geologist for quality assurance and downloaded into a table for inclusion in a written report^[16].

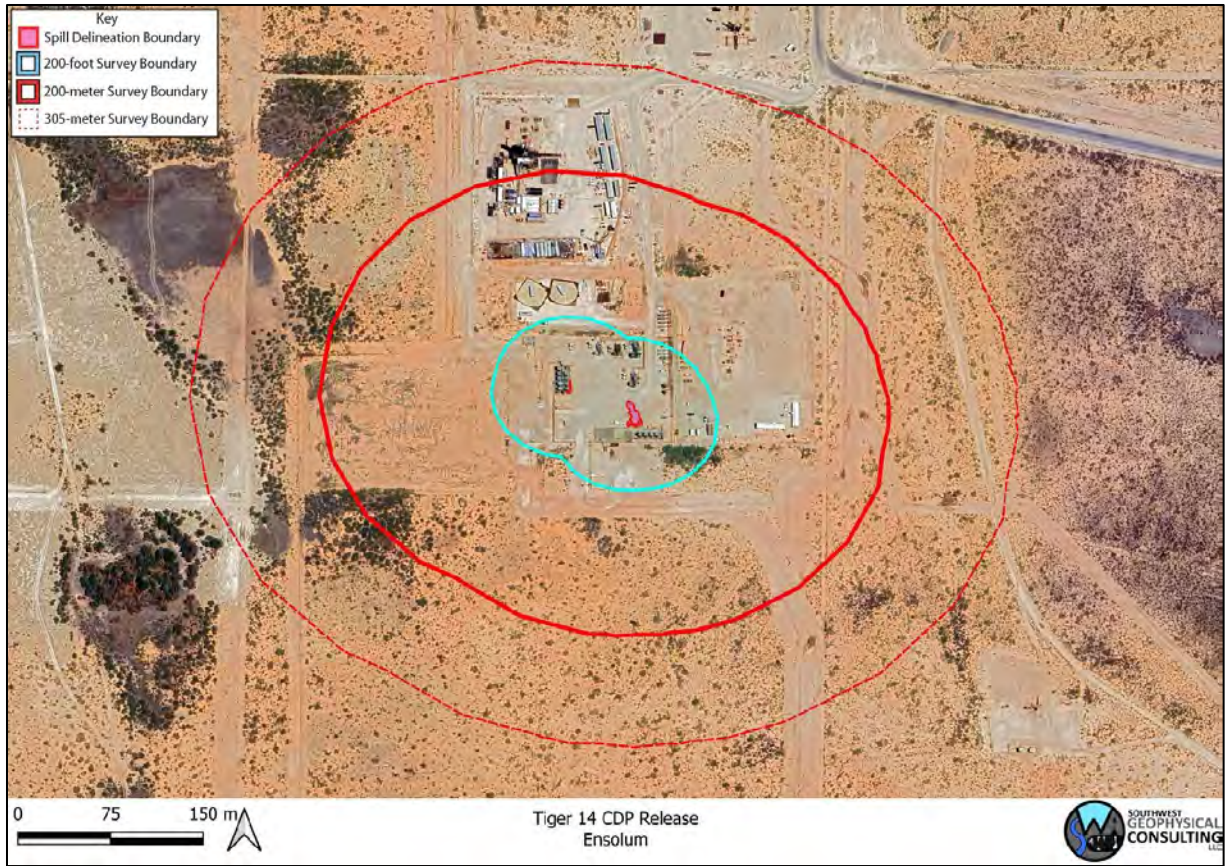


Figure 4: Surface survey overview. Background image credit: Google Earth. Image date: July 13, 2024. Datum: WGS-84.

The resolution of the orthoimagery is clear enough that features as small as 10 centimeters can be positively identified in most circumstances. Occasionally there are ambiguous features identified during an aerial survey that will need to be checked in the field if they are impacted by the proposed remediation efforts. Specifically, it is difficult to tell the difference between solution tubes, abandoned uncased well bores, and some burrows in drone imagery. If an ambiguous feature is located during imagery analysis, it is marked with a yellow dot in **Figure 6**. If a feature of any likelihood is subsequently verified in the field prior to publication of the report, the dot will be changed to a red triangle if confirmed as a karst feature or deleted if not.

The imagery for this study was collected via aerial survey by Pat Lagodney of SWCA on June 12, 2025. Surface karst features may have developed after this date and will not be noted in this report. Imagery analysis was completed by Kat Knight of Southwest Geophysical Consulting on June 14, 2025.

2.3.2 Geophysical Survey

For this survey, a Guideline Geo Terrameter LS 2 and a 28-electrode array of 40-centimeter-long electrodes were used to image the subsurface. This survey consisted of three resistivity lines in a dipole-dipole configuration laid out in north to south (TG1401), west to east (TG1402), and south to north (TG1403) arrays. These lines consisted of 28 electrodes at 5-meter spacing, resulting in three arrays of 135 meters (**Figure 5, Table 1**). A preconfigured protocol file was used to run the data collection (DipoleDipole2x14). This electrode configuration provided a depth of investigation of 27 meters (89 feet) and a resolution of 2.5 to 3.0 meters (8.2 to 9.8 feet) within the first 5 to 8 meters (16 to 26 feet) from the surface. A Leica GS18 GPS was used to record electrode locations and elevations.

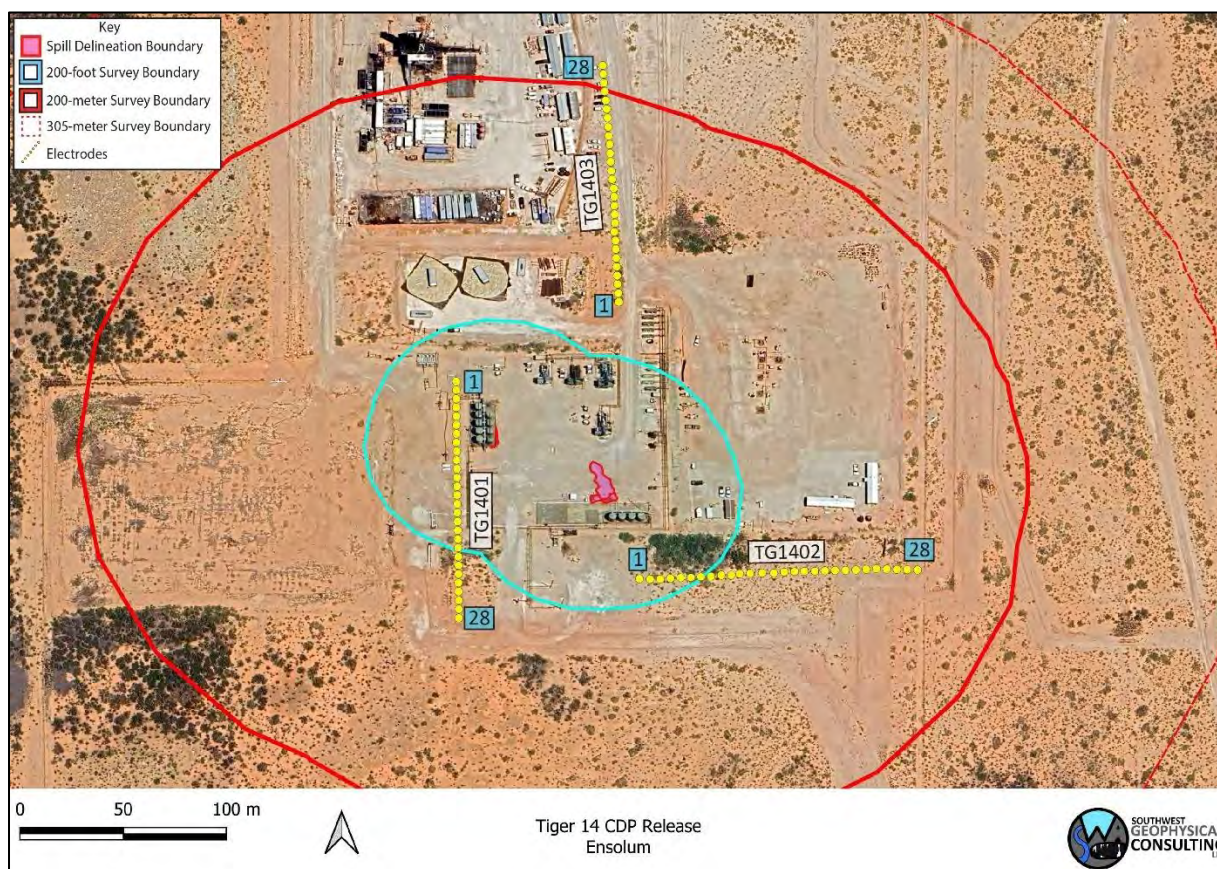


Figure 5: Geophysical survey overview. Three survey lines were conducted with 28 electrodes each at 5-meter spacing (yellow dots denoted with blue numbers). Background image credit: Google Earth. Image date: July 13, 2024. Image datum: WGS-84.

Table 1 provides basic line data. Detailed information including electrode number, location in latitude/longitude (decimal degree format), and elevation in meters can be found in the accompanying data files.

Table 1: Survey Line Data Table. The .kmz file contains all the points for the survey line listed in the file name. These data are available in the accompanying files TG14_ERI_Points.xlsx and ENS-012-20250617_TG14_Data_Files.kmz.

File Name:	Completed By:	Date:
TG1401.kmz	Steven Kesler – Field Geologist	6/23/2025
TG1402.kmz	Britt Bommer – Field Geologist	
TG1403.kmz	Michael Jones – Field Geologist	

EarthImager™ 2D software was used to download and process the data and to provide the model used to make our interpretations. The design of the survey and the orientation of each of the lines provides the information necessary to make the determination of “stable” or “unstable” ground at this site.

A typical starting model was used for the data processing due to the two-layer model of the geology in the area; specifically, generally high-resistivity gypsum and dolomite at the surface and low-resistivity saturated gypsum and dolomite bedrock at depth. The starting model used was “average apparent resistivity” and a default inversion setting of “surface,” with a minimum apparent resistivity set to 0.1 Ohm-meters (Ohm-m or Ω-m) and a max apparent resistivity set to 100,000 Ω-m (**Table 2**).

Table 2: Software Information and Settings

Software Name:	EarthImager™ 2D
Version:	2.4.4.649
Starting Model:	Average Apparent Resistivity
Default Inversion Settings:	Surface
Changes to Default Inversion Settings:	Max Apparent Resistivity = 100 kΩ-m Min Apparent Resistivity = 0.1 Ω-m

Note: Raw data files (.dat files for EarthImager™ 2D) and processed data (.trn files, terrain files for surface correction in EarthImager™ 2D and .out files, the processed .dat files) are available upon request.

All field work, including setup, stow, and travel, was completed by Steven Kesler, Britt Bommer, and Michael Jones on June 23, 2025.

3.0 RESULTS

3.1 Surface Karst Survey

The desk study and surface karst survey showed two medium-likelihood surface karst features located within the 200-meter (656-foot) survey boundary, but outside of the 200-foot (61-meter)^[1] survey area surrounding the spill delineation boundary (Table 3, Figure 6). These features were field checked while on site for the geophysical work and confirmed to be subsidence related to the pipeline trench (Figure 7). Due to the location within a locally enclosed depression, and the fact that we could not see beneath the pipeline, we can't fully rule these features out as simply soil settling but must assume they are due to soil raveling into subsurface voids until proven otherwise by exposing the pipeline by excavation. The locally enclosed depression was confirmed to extend into the 200-foot survey boundary via historical imagery.

No springs exist within the 305-meter (1,000-foot)^[1] survey boundary (Figure 6). A recognized karst feature exists just outside of the 305-meter (1,000-foot) survey boundary.

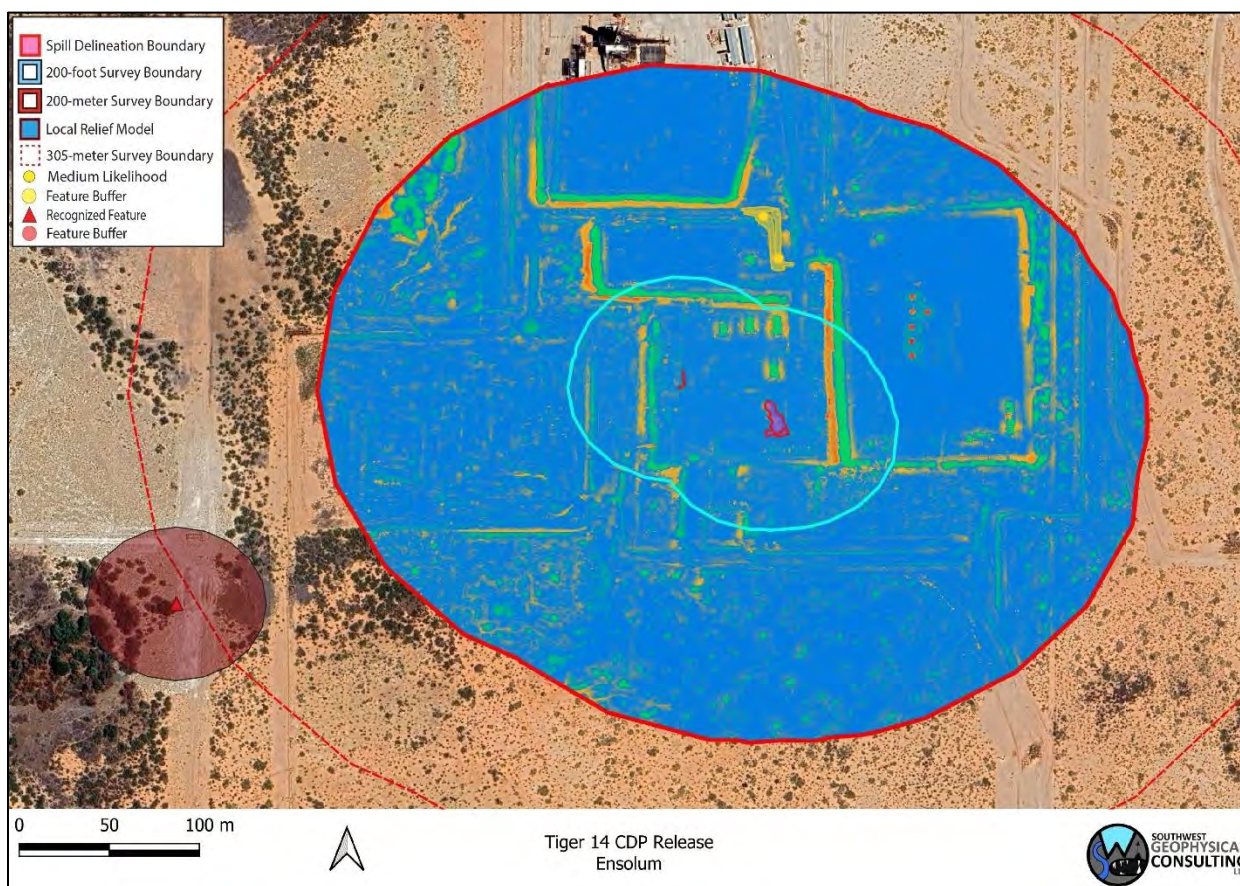


Figure 6: Surface karst survey results. Background image credit: Google Earth. Image date: July 13, 2024. Image datum: WGS-84.



Figure 7: Feature 250614-R01. Soil subsidence within a trench.

3.2 Geophysical Survey

Electrical resistivity tomography forms images of the subsurface by causing a current to flow through the rock and soil and then measuring the resistance of these materials as the current flows through them. This measurement is taken many times and the resulting data, once processed, is used to produce a model of the subsurface (**Figure 8**). This model is produced using "non-unique" solutions, which means that there are many models and interpretations which will satisfy the data. Using experience and knowledge of the local geology, a high-confidence model can be established and used to develop an accurate understanding of what lies below the surface. This survey was conducted with the express purpose of locating subsurface voids and does not purport to find paleokarst (old, non-active karst features that have been filled in with sand and sediment) or nascent karst features below the resolution limit of the survey.

The results of this study indicate a chaotic geologic system with resistivities between 1.1 and ~200 Ohm-m (**Figure 8**). One higher-than-average subsurface anomaly (A01 at 1,182 Ohm-m) exists along line TG1402. This anomaly is outside of the 200-foot (61-meter) survey boundary. Areas of disjointed higher zones of resistivity and areas of curved higher resistivity exist.

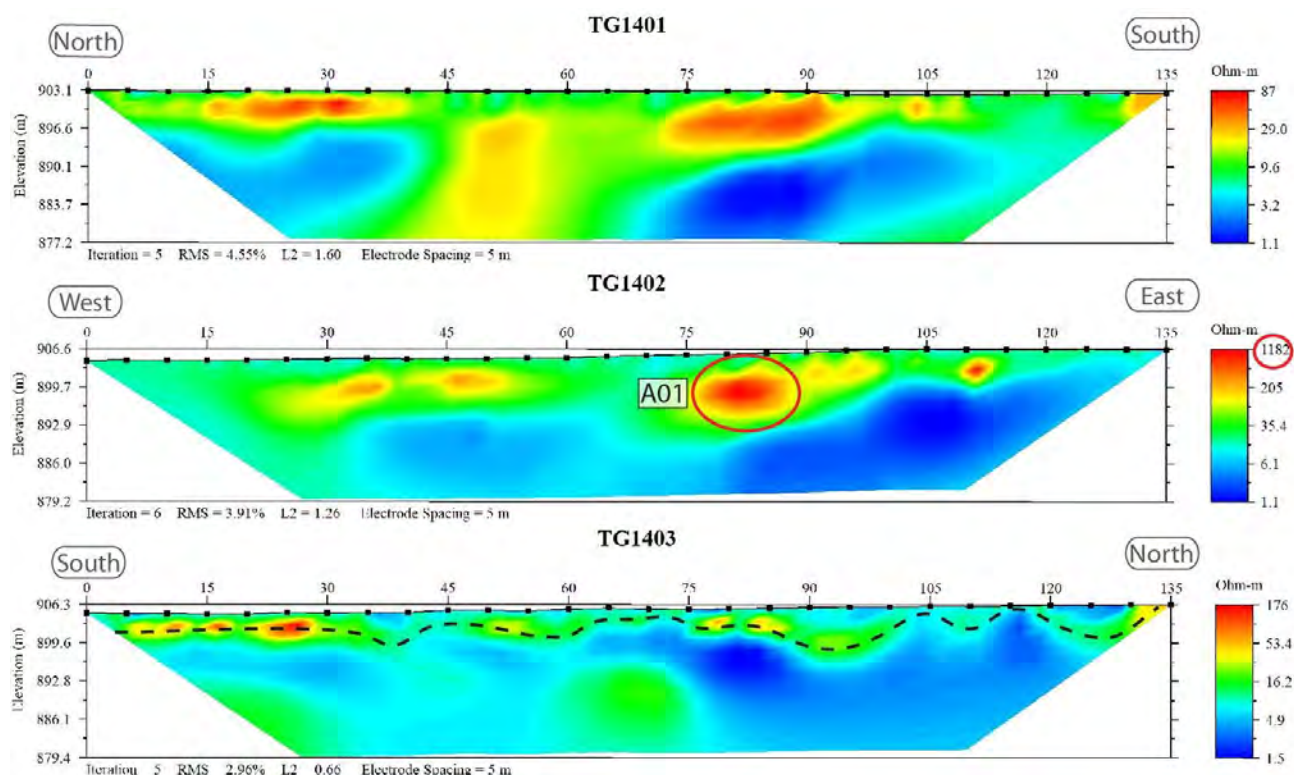


Figure 8: 2D inverted resistivity sections. Red ellipse highlights high-resistivity anomaly. Black-dashed line indicates areas of possible instability. Reds and oranges indicate higher resistivity values. Yellows and greens are medium-resistivity values. Blues are low-resistivity values. Please note that the color scale is relative.

Please keep in mind when viewing the 2D inverted resistivity sections that color maps can be widely different for each view. Always check the color map located on the right side of the image when viewing the 2D images to ensure you understand the range of resistivities presented. Distances along the top and depths along the left side are in meters. The color map along the right side is in Ohm-m. Due to the nature of the survey, shallower zones have higher resolution between electrodes than deeper zones; therefore, small features at depth will not be visible.

Table 3 contains a list of features identified during the surface karst survey and subsequent imagery analysis. Each feature is identified with a feature identification number (Feature ID), the type of feature, estimated size (in meters), recommended buffer (in meters), the likelihood of this feature being a surface karst feature (modifiers H/M for high or medium likelihood, V for field verified, R for resistivity anomaly), and its location in WGS-84/UTM-13 (EPSG: 32613).

Table 3: Karst Feature Data Table

KF Status	Feature ID	Type	Size (m)	Buffer (m)	Mod	Easting	Northing
PKF	250614-R01	Possible subsurface karst development	16.4	50	M	589442.576	3564345.508
PKF	250614-R02	Possible subsurface karst development	20.4	59	M	589433.893	3564373.034
RKF	250617-D02	Swallet	2	50	V	589110.532	3564117.418
PKF	250806-D01	Subsurface anomaly (7-8 meters depth)	5	10	R	589542.834	3564191.104

NOTE: Location data provided in WGS-84/UTM 13N. PKF – possible karst feature. RKF – recognized karst feature.

4.0 DISCUSSION

No surface karst features and no anomalies consistent with air-filled subsurface voids are found within 200 feet (61 meters) of the TG14 spill delineation boundary. Two medium-likelihood features that could not be confirmed as karst in the field (but also could not be ruled out) and one subsurface anomaly interpreted as possibly karst related exist outside of the 200-foot boundary, but within the 200-meter survey boundary. No springs exist within the 305-meter survey boundary; however one recognized karst feature (a swallet) exists just outside of the 305-meter survey boundary. Small solutionally enlarged voids or fractures at or near the resolution limit of the survey (2.5 – 3.0 meters) may also be present.

Areas of higher resistivity (reds, yellows, and greens) near the surface are interpreted as dry gypsite soils and gypsum or dolomite bedrock of the Rustler Formation^[17] (**Figure 8** and **Figure 9**). These areas exhibit chaotic and disjointed characteristics indicating bedrock subsidence or collapse into possible paleokarst features. These features provide easy routes for meteoric water into the subsurface and allow for rapid dissolution of gypsum bedrock suggesting unstable ground may exist at this location. Very low-resistivity areas between 1.1 – 15 Ohm-m may either represent fluid from the brine release, surface-to-subsurface hydrologic pathways, or a layer of either clays and halite lenses or moist or saturated layers within the Rustler Formation (**Figure 8**).

Please remember that these are interpretations made from knowledge of the local subsurface materials and experience. **They remain interpretations until verified by geotechnical methods.** Employing a BLM-CFO approved karst monitor on site during any drilling and/or remediation activities is recommended.

Fracture sets within the subsurface can act as hydrologic pathways to the water table. Rapid dissolution of gypsum can occur along these pathways creating solution-enlarged fractures, and in some cases, voids within months to years. For this reason, this survey is valid only for this remediation event.

Within karst terrains like the project site, small air- or sediment-filled voids and/or brecciated zones and solutionally enlarged fractures that are below the resolution limit of the survey (2.5– 3.0 meters) may exist; these may be encountered during excavation, and if so, should be evaluated by a karst specialist prior to continued work.

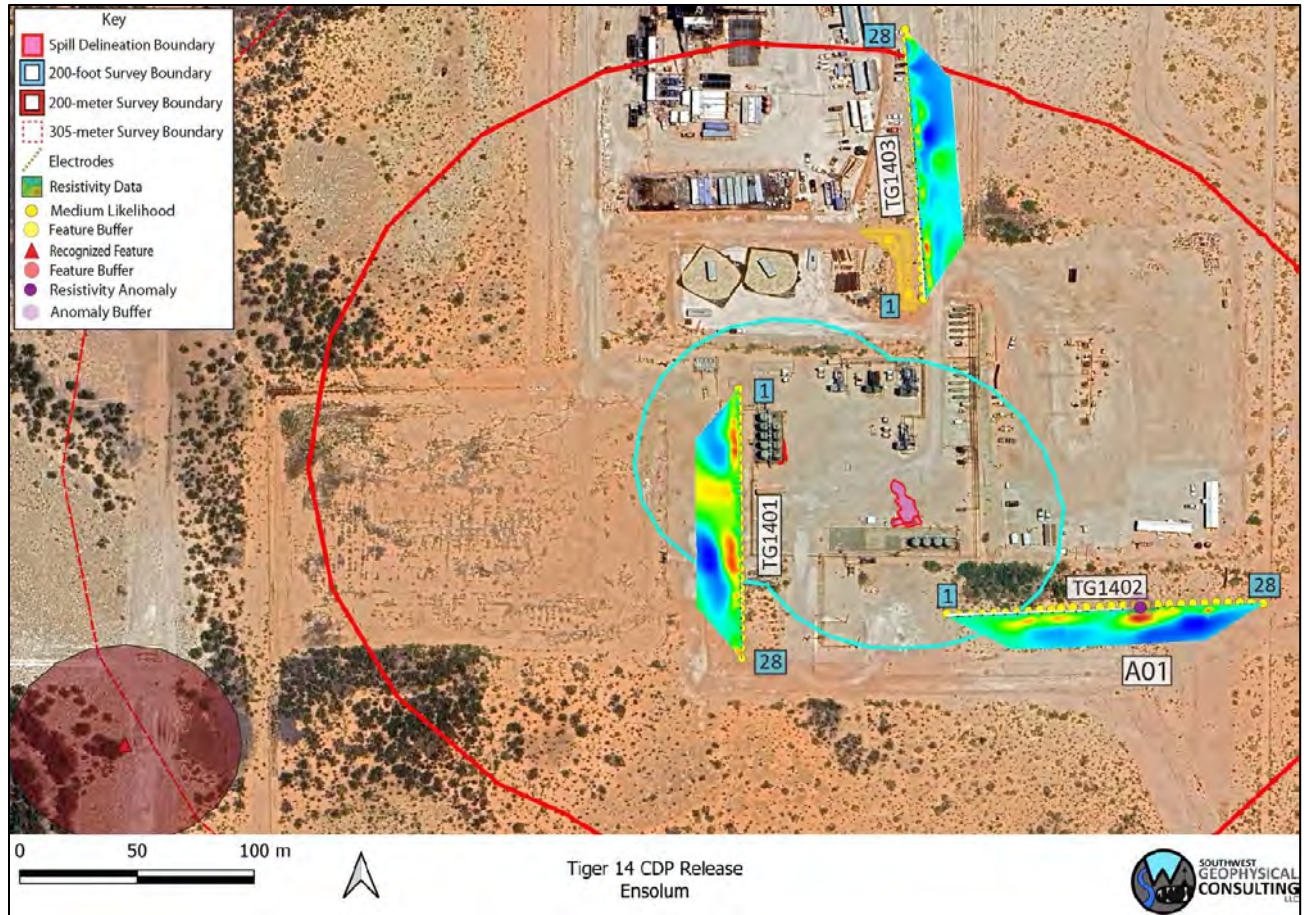


Figure 9: Data overlay. Colored trapezoids are the 2D inverted resistivity lines. Background image credit: Google Earth. Image date: July 13, 2024.

5.0 SUMMARY

- **No surface karst features exist within 200 feet (61 meters) of the spill delineation boundary.**
Two surface karst features exist within the **200-meter** survey boundary.
- **One anomaly consistent with a subsurface air-filled void is interpreted to exist within the TG14 geophysical survey area, indicating the zone beneath the geophysical survey may be subject to collapse.**
- **Chaotic stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted, indicating unstable ground within the 200-foot survey boundary.**
- When conducting any remediation activities in this area, employing a BLM-CFO approved karst monitor on site is recommended.

6.0 DISCLOSURE STATEMENT

Karst occurrence zones are prone to rapid karst formation and warrant careful planning and engineering to mitigate karst-forming processes that could be accelerated by removal of surface cover or the vibrations associated with heavy equipment used in the remediation process.

Mitigation measures for any karst features revealed during excavation shall be approved by the Bureau of Land Management – Carlsbad Field Office and follow the Natural Resources Conservation Service Conservation Practice Standard for Karst Sinkhole Treatment, Code 527, or the Bureau of Land Management Cave and Karst Management Handbook, H-8380-1.

Vigilance during remediation activities is paramount. If voids are encountered during excavation, contact the Bureau of Land Management Karst Division at (575) 234-5972, the New Mexico State Land Office Surface Resources Division at (505) 827-5768, or a BLM-CFO approved karst contractor and request an on-site investigation from a karst expert if one is not already on site. A karst consultant can generally be available in Eddy County within five hours.

Approved karst monitors should have karst feature identification training, at least two years of supervised experience identifying karst features, wilderness first aid training, SRT training, confined space training, gas monitor training, and a minimum of SPAR cave rescue training through NCRC. They should have with them the proper gear and be prepared both physically and mentally to enter a collapse feature within minutes to perform a rescue if needed. Monitoring services with qualified karst monitors, as well as cave surveys and geophysical surveys, are available from Southwest Geophysical Consulting.

Under no circumstances should an untrained, inexperienced person enter a cave, pit, sinkhole, or collapse feature. All field employees of Southwest Geophysical Consulting have extensive caving experience and the ability to determine whether entry into a karst feature is safe or presents a hazard. In the event it is necessary to enter a karst feature, Southwest Geophysical Consulting can provide these services on request.

Cave and karst resource inventory reports, karst feature investigations, and geophysical reports (along with the associated data files) commissioned at the request of the land manager should be submitted to BLM-CFO at blm_nm_karst@blm.gov.

Cave and karst resource inventory reports for the NMSLO should be submitted to the respective project manager.

Environmental karst reports should be submitted to the appropriate project manager at the New Mexico Oil Conservation Division.

7.0 REFERENCES

- 1 Division, O. C. *Title 19, Chapter 15, Part 29* (Oil Conservation Division, 2018).
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- 16 Whitehead, W., Bandy, M. & Decker, D. Protocol for Using UAV Photography for Rapid Assessment of Karst Features in Southeast New Mexico. *Proceedings of the 2022 Cave and Karst Management Symposium* (2022).
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8.0 GLOSSARY OF TERMS

AGI	Advanced Geosciences Inc.
BLM-CFO	Bureau of Land Management - Carlsbad Field Office
brecciated	Fractured rock caused by faulting or collapse.
caprock-collapse sinkhole	Collapse of roof-spanning rock into a cave or void.
cave	Natural opening at the surface large enough for a person to enter.
cover-collapse sinkhole	Collapse of roof-spanning soil or clay ground cover into a subsurface void.
ERI	Electrical Resistivity Imaging
GPS	Global Positioning System
grike	A solutionally enlarged, vertical, or sub-vertical joint or fracture.
(H)	High confidence modifier for a PKF. This is typically reserved for a feature that is definitely karst but has not been confirmed in the field.
HKOZ	High Karst Occurrence Zone
karst	A landscape containing solutional features such as caves, sinkholes, swallets, and springs.
(L)	Low confidence modifier for a PKF. This is typically a feature that cannot be ruled out as karst but is most likely NOT karst related. This modifier may also be used for pseudokarst features.
(M)	Medium confidence modifier for PKF. This is an ambiguous feature that can't be positively identified as karst without a field visit (e.g., burrows, abandoned unlined wells, solution tubes, pseudokarst).
MKOZ	Medium Karst Occurrence Zone
NCRC	National Cave Rescue Commission
NKF	Non-karst feature. Used for features originally identified as PKF that have been subsequently identified in the field as non-karst related. This term may also be used for pseudokarst features.
NMSLO	New Mexico State Land Office
Ohm-m	Ohm-meter, a unit of measurement for resistivity. Sometimes abbreviated Ω -m.
paleokarst	Previously formed karst features that have been filled in by erosion and/or deposition of minerals.
Pat	Permian Artesia Group
Pc	Permian Capitan Formation
Pcs	Permian Castile Formation
Pdl	Permian Dewey Lake Formation
PKF	Possible karst feature. This term is reserved for features identified in satellite or aerial imagery that have NOT been visited in the field. Further modifiers include (H) for high confidence, (M) for medium confidence, and (L) for low confidence. These confidence levels are based on field experience.
PLSS	Public Land Survey System
Pqg	Permian Queen/Greyburg Formation
Pru	Permian Rustler Formation

pseudokarst	Karst-like features (sinkholes, conduits, voids etc.) that are not formed by dissolution. These types of features include soil piping, lava tubes, and some cover-collapse and suffosion sinkholes.
Psl	Permian Salado Formation
Psr	Permian Seven Rivers Formation
Pt	Permian Tansill Formation
Py	Permian Yates Formation
Qal	Quaternary alluvium
Qe	Quaternary eolian deposits
Qp	Quaternary piedmont deposits
Qpl	Quaternary playa lake deposits
RKF	Recognized karst feature. This term is reserved for karst features that have been physically verified in the field.
SPAR	Small Party Assisted Rescue
sUAS	Small, uncrewed aerial system
suffosion sinkhole	Raveling of soil into a pre-existing void or fracture.
swallet	A natural opening in the surface, too small for a person, that drains water to an aquifer. Some are "open," meaning a void can be seen below; some are "closed," meaning they are full of sediment.
SWG	Southwest Geophysical Consulting, LLC
UTM	Universal Transverse Mercator (projected coordinates)
(V)	Field verified modifier for a RKF. This indicates that the feature has been visited by a qualified karst professional in the field and fully identified
WGS	World Geodetic System (geographic coordinates)

9.0 ATTESTATION

David D. Decker, PhD, PG, CPG

Chief Executive Officer, Principal Geologist

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dave@swgeophys.com

(505) 585-2550

CERTIFICATE OF AUTHOR

I, David D. Decker, a Licensed Professional Geologist and a Certified Professional Geologist, do certify that:

- I am currently employed as a consulting geologist in the specialty of caves and karst with an office address of 5117 Fairfax Dr. NW, Albuquerque, NM, USA, 87114.
- I graduated with a Master of Science in Applied Physics with a specialization in Sensor Systems from the Naval Post Graduate School in Monterey, California, in 2003, and a Doctor of Philosophy in Earth and Planetary Sciences from the University of New Mexico, Albuquerque, New Mexico, in 2018.
- I am a Licensed Professional Geologist in the State of Texas, USA (PG-15242) and have been since 2021. I am a Certified Professional Geologist through the American Institute of Professional Geologists (CPG-12123) and have been since 2021.
- I have been employed as a geologist continuously since 2016. I was previously employed as a Fire Controlman, Naval Flight Officer, and Aerospace Engineering Duty Officer in the U.S. Navy and operated, maintained, and installed various sensor systems including magnetic, electromagnetic, radar, communications, and acoustic systems in various capacities from 1986 through 2010.
- I have been involved in various aspects of cave and karst studies continuously since 1985, including exploration, mapping, and scientific studies.
- I have read the definition of “qualified karst professional” set out in the ASTM Standard Practice for Preliminary Karst Terrain Assessment for Site Development (ASTM E-1527). I meet the definition of “qualified professional” for the purposes of this standard.
- I am responsible for the content, compilation, and editing of all sections of report number ENS-017-20250523 entitled, “Environmental Karst Study Report, Tiger 14 CDP, Eddy County, New Mexico.” I or a duly authorized and qualified representative of Southwest Geophysical Consulting, LLC, have personally visited this site and/or reviewed the aerial imagery on the date or dates mentioned in section **2.3 Description of Survey**.

- I have no prior involvement nor monetary interest in the described property or project, save for my fee for conducting this investigation and providing the report.

Dated in Albuquerque, New Mexico, August 6, 2025.



David D. Decker


PhD, CPG-12123









APPENDIX C


Lithologic Soil Sampling Logs


					Sample Name: BH01		Date: 4/4/25	
					Site Name: Tiger 14 CDP TB			
					Incident Number: nAPP2505726681			
					Job Number: 03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella/ Jenna		Method: Hand Auger	
Coordinates: 32.211392, -104.051466					Hole Diameter: 3"		Total Depth: 13 ft.	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH01	0	0	CCHE	Pad Caliche - White to very light brown, fine to coarse with small to large gravel, Moist, Non-Plastic, Noncohesive, Well graded
M	912		N	BH01	1	1	SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well graded
M	2833		N	BH01	2	2		
M	>3556		N	BH01	3	3	CL	Lean Clay w/ trace Gypsum - Red to medium brown, Very fine grained, moist, Low plasticity, Cohesive, Massive
M	2436		N	BH01	4	4		
M	2436		N	BH01	5	5	SW-SM	Sand with Silt w/ trace Gypsum - Light brown to white, Very fine to coarse grained, Moist, Non-plastic, Noncohesive, Well graded
M	3022		N	BH01	6	6		
M	>3559		N	BH01	7	7	CH	Fat Clay w/ trace Gypsum - Red to medium brown, Very fine grained, moist, Medium plasticity, Cohesive, Massive
M	2447		N	BH01	8	8		
M	1579		N	BH01	9	9		
M	834		N	BH01	10	10		
M	414	79	N	BH01	11	11		
M	<168	25	N	BH01	12	12		
M	<168		N	BH01	13	13		


					Sample Name: BH02		Date: 4/7/2025			
					Site Name: Tiger 14 CDP TB					
					Incident Number: nAPP2505726681					
					Job Number: 03A2270075					
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella / Jenna		Method: Hand Auger			
Coordinates: 32.211403, -104.051539					Hole Diameter: 3"		Total Depth: 16 ft.			
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.										
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
M			Y	BH02	0	0				
M	>3556		N	BH02	1	1	CCHE	Pad Caliche - White to very light brown, fine to coarse with small to large gravel, Moist, Non-Plastic, Noncohesive, Well graded		
M	>3556		N	BH02	2	2				
M	>3556		N	BH02	3	3	SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well graded		
M	>3556		N	BH02	4	4				
M	>3556		N	BH02	5	5	CL	Lean Clay w/ trace Gypsum - Red to medium brown, Very fine grained, moist, Low plasticity, Cohesive, Massive		
M	>3556		N	BH02	6	6				
M	>3556		N	BH02	7	7				
M	>3556		N	BH02	8	8	SW-SM	Sand with Silt w/ trace Gypsum - Light brown to white, Very fine to coarse grained, Moist, Non-plastic, Noncohesive, Well graded		
M	>3556		N	BH02	9	9				
M	>3556		N	BH02	10	10				
M	>3556		N	BH02	11	11	CH	Fat Clay w/ trace Gypsum - Red to medium brown, Very fine grained, moist, Medium plasticity, Cohesive, Massive		
M	>3556		N	BH02	12	12				
M	>3556		N	BH02	13	13				


					Sample Name: BH02		Date: 4/7/2025	
					Site Name: Tiger 14 CDP TB			
					Incident Number: nAPP2505726681			
					Job Number: 03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella / Jenna		Method: Core Drill	
Coordinates: 32.211403, -104.051539					Hole Diameter: 3'		Total Depth: 16 ft	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 20% correction factor is included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	638		N	BH02	14	14		Fat Clay w/ trace Gypsum - Red to medium brown, Very fine grained, moist, Medium plasticity, Cohesive, Massive
M	414	114	N	BH02	15	15	CH	
M	235	57	N	BH02	16	16		
Total Depth @ 16 feet bgs.								


					Sample Name: BH03		Date: 3/20/25		
					Site Name: Tiger 14 CDP TB				
					Incident Number: nAPP2505726681				
					Job Number: 03A2270075				
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger		
Coordinates: 32.211591, -104.051552					Hole Diameter: 3"		Total Depth: 2 ft.		
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.									
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
M			Y	BH03	0	0		Pad Caliche - White to very light brown, fine to coarse with small to large gravel, Moist, Non-Plastic, Noncohesive, Well graded	
M	134		N	BH03	1	1		SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well Graded,
M	464	23	N	BH03	2	2			
Total Depth @ 2 ft bgs.									


					Sample Name: BH04		Date: 3/20/25	
					Site Name: Tiger 14 CDP TB			
					Incident Number: nAPP2505726681			
					Job Number: 03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.211574, -104.051474					Hole Diameter: 3"		Total Depth: 3 ft.	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH04	0	0		Moist, Pad Caliche, Heavy Stain, Non Plastic.
M	632		N	BH04	1	1	CCHE	
M	576		N	BH04	2	2	SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well Graded
M	235	21	N	BH04	3	3		
Total Depth @ 3 ft bgs.								


					Sample Name: BH05		Date: 3/20/25	
					Site Name: Tiger 14 CDP TB			
					Incident Number: nAPP2505726681			
					Job Number: 03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.211471, -104.051518					Hole Diameter: 3"		Total Depth: 6 ft.	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH05	0	0	CCHE	Pad Caliche - Black to gray, fine to coarse with small to large gravel, Moist, Non-Plastic, Noncohesive, Well graded
M	834		N	BH05	1	1		Pad Caliche - White to very light brown, fine to coarse with small to large gravel, Moist, Non-Plastic, Noncohesive, Well graded
M	834		N	BH05	2	2	SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well Graded
M	655		N	BH05	3	3		
M	834		N	BH05	4	4		
M	576		N	BH05	5	5		
M	464	18	N	BH05	6	6	CL	Lean Clay w/ trace Gypsum - Red to medium brown, Very fine grained, moist, Low plasticity, Cohesive, Massive
Total Depth @ 6 ft bgs.								


					Sample Name: BH06		Date: 04/30/2025	
					Site Name: Tiger 14 CDP TB			
					Incident Number: nAPP2505726681			
					Job Number: 03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Higinio Gonzalez		Method: Hand Auger	
Coordinates: 32.211307, -104.051489					Hole Diameter: 3"		Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH06	0	0	CCHE	Pad Caliche - White to very light brown, fine to coarse with small to large gravel, Moist, Non-Plastic, Noncohesive, Well graded
M	1,237		N	BH06	1	1		
M	280	43	N	BH06	2	2	SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well graded
M	ND		N	BH06	3	3		
M	ND		N	BH06	4	4		
Total Depth @ 4 ft bgs.								


					Sample Name: BH07		Date: 04/30/2025	
					Site Name: Tiger 14 CDP TB			
					Incident Number: nAPP2505726681			
					Job Number: 03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Higinio Gonzalez		Method: Hand Auger	
Coordinates: 32.211219, -104.051490					Hole Diameter: 3"		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH07	0	0	CCHE	Pad Caliche - White to very light brown, fine to coarse with small to large gravel, Moist, Non-Plastic, Noncohesive, Well graded
D	325	47	N	BH07	1	1		
M	241		N	BH07	2	2	SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well graded
M	ND		N	BH07	3	3		
Total Depth @ 3 ft bgs.								


					Sample Name: BH08		Date: 04/30/2025	
					Site Name: Tiger 14 CDP TB			
					Incident Number: nAPP2505726681			
					Job Number: 03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Higinio Gonzalez		Method: Hand Auger	
Coordinates: 32.211492, -104.051369					Hole Diameter: 3"		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH08	0	0	CCHE	Pad Caliche - White to very light brown, fine to coarse with small to large gravel, Moist, Non-Plastic, Noncohesive, Well graded
M	1,339		N	BH08	1	1		
M	420	90	N	BH08	2	2	SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well graded
M	ND	28	N	BH08	3	3		
Total Depth @ 3 ft bgs.								


					Sample Name: BH09		Date: 04/30/2025	
					Site Name: Tiger 14 CDP TB			
					Incident Number: nAPP2505726681			
					Job Number: 03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Higinio Gonzalez		Method: Hand Auger	
Coordinates: 32.211476, -104.051214					Hole Diameter: 3"		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH09	0	0	GW	Pad Caliche - White to very light brown, fine to coarse with small to large gravel, Moist, Non-Plastic, Noncohesive, Well graded
D	666		N	BH09	1	1		
M	ND	24	N	BH09	2	2	SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well graded
M	ND		N	BH09	3	3		
Total Depth @ 3 ft bgs.								


					Sample Name: BH10		Date: 04/30/2025	
					Site Name: Tiger 14 CDP TB			
					Incident Number: nAPP2505726681			
					Job Number: 03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Higinio Gonzalez		Method: Hand Auger	
Coordinates: 32.211699, -104.051503					Hole Diameter: 3"		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y N	BH10	0	0	CCHE	Pad Caliche - White to very light brown, fine to coarse with small to large gravel, Moist, Non-Plastic, Noncohesive, Well graded
D M	538		N	BH10	1	1		
M	241	26	N	BH10	2	2	SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well graded
M	174		N	BH10	3	3		
Total Depth @ 3 ft bgs								


					Sample Name: BH11		Date: 04/30/2025	
					Site Name: Tiger 14 CDP TB			
					Incident Number: nAPP2505726681			
					Job Number: 03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Higinio Gonzalez		Method: Hand Auger	
Coordinates: 32.211810, -104.051534					Hole Diameter: 3"		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH11	0	0	CCHE	Pad Caliche
D	280	30	N	BH11	1	1	SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well graded
M	174		N	BH11	2	2		
M	ND		N	BH11	3	3		
Total Depth @ 3 ft bgs.								


					Sample Name: BH12		Date: 5/1/2025	
					Site Name: Tiger 14 CDP TB			
					Incident Number: nAPP2505726681			
					Job Number: 03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Aboubakar Kone		Method: Hand Auger	
Coordinates: 32.211043, -104.051474					Hole Diameter: 3"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH12	0'	0	CCHE	Pad Caliche - White to very light brown, fine to coarse with small to large gravel, Moist, Non-Plastic, Noncohesive, Well graded
D	207	25	N	BH12	1'	1		
M	174		N	BH12	2'	2	SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well graded
Total depth @ 2 ft bgs.								


					Sample Name: BH13		Date: 5/1/25	
					Site Name: Tiger 14 CDP TB			
					Incident Number:nAPP2505726681			
					Job Number:03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By:Aboubakar Kone		Method:Hand Auger	
Coordinates: 32.211240, -104.051205					Hole Diameter:3"		Total Depth:3'	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH13	0'	0	CCHE	Pad Caliche - White to very light brown, fine to coarse with small to large gravel, Moist, Non-Plastic, Noncohesive, Well graded
D	207		N	BH13	1'	1		
M	ND	19	N	BH13	2'	2	SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well graded
M	ND		N	BH13	3'	3		
Total Depth @ 3 ft bgs.								


					Sample Name: BH14		Date: 05/01/2025	
					Site Name: Tiger 14 CDP TB			
					Incident Number: nAPP2505726681			
					Job Number: 03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Higinio Gonzalez		Method: Hand Auger	
Coordinates: 32.211402, -104.051329					Hole Diameter: 3"		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH14	0	0	CCHE	Pad Caliche - White to very light brown, fine to coarse with small to large gravel, Moist, Non-Plastic, Noncohesive, Well graded
M	538		N	BH14	1	1		
M	ND	21	N	BH14	2	2	SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well graded
M	ND		N	BH14	3	3		
Total Depth @ 3 ft bgs.								


					Sample Name: BH15		Date: 05/01/2025	
					Site Name: Tiger 14 CDP TB			
					Incident Number: nAPP2505726681			
					Job Number: 03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Higinio Gonzalez		Method: Hand Auger	
Coordinates: 32.211332, -104.051579					Hole Diameter: 3"		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH15	0	0	GW	Pad Caliche - White to very light brown, fine to coarse with small to large gravel, Moist, Non-Plastic, Noncohesive, Well graded
M	2,638		D	BH15	1	1	SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well graded
M	1,148		D	BH15	2	2		
M	370	31	D	BH15	3	3		
Total Depth @ 3 ft bgs.								


					Sample Name: BH16		Date: 05/01/2025	
					Site Name: Tiger 14 CDP TB			
					Incident Number: nAPP2505726681			
					Job Number: 03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Higinio Gonzalez		Method: Hand Auger	
Coordinates: 32.211603, -104.051225					Hole Diameter: 3"		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH16	0	0	CCHE	Pad Caliche - White to very light brown, fine to coarse with small to large gravel, Moist, Non-Plastic, Noncohesive, Well graded
M	1,439		N	BH16	1	1	SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well graded
M	173	27	N	BH16	2	2		
M	ND		N	BH16	3	3		
Total Depth @ 3 ft bgs.								


					Sample Name: BH17		Date: 05/01/2025	
					Site Name: Tiger 14 CDP TB			
					Incident Number: nAPP2505726681			
					Job Number: 03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Higinio Gonzalez		Method: Hand Auger	
Coordinates: 32.211730, -104.051370					Hole Diameter: 3"		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH17	0	0	CCHE	Pad Caliche - White to very light brown, fine to coarse with small to large gravel, Moist, Non-Plastic, Noncohesive, Well graded
M	420	46	N	BH17	1	1	SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well graded
	ND		N	BH17	2	2	CL	Lean Clay w/ trace Gypsum - Red to medium brown, Very fine grained, moist, Low plasticity, Cohesive, Massive
	ND		N	BH17	3	3		
Total Depth @ 3 ft bgs.								


					Sample Name: BH18		Date: 05/01/2025	
					Site Name: Tiger 14 CDP TB			
					Incident Number: nAPP2505726681			
					Job Number: 03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Higinio Gonzalez		Method: Hand Auger	
Coordinates: 32.211723, -104.051577					Hole Diameter: 3"		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH18	0	0	CCHE	Pad Caliche
M	890		N	BH18	1	1	SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well graded
M	420		N	BH18	2	2		
M	ND	31	N	BH18	3	3		
Total Depth @ 3 ft bgs.								


					Sample Name: BH19		Date: 05/12/2025	
					Site Name: Tiger 14 CDP TB			
					Incident Number: nAPP2505726681			
					Job Number: 03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Jenna Hinkle		Method: Core Drill	
Coordinates: 32.211357, -104.051208					Hole Diameter: 3"		Total Depth: 16'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH19	0	0	CCHE	Pad Caliche - White to very light brown, fine to coarse with small to large gravel, Moist, Non-Plastic, Noncohesive, Well graded
M	476		N	BH19	1	1	SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well graded
M	420		N	BH19	2	2		
M	739		N	BH19	3	3	CH	Fat Clay - See depths 4.5'-7'
M	812		N	BH19	4	4	CL	Lean Clay w/ trace Gypsum - Red to medium brown, Very fine grained, moist, Low plasticity, Cohesive, Massive
M	1,058		N	BH19	5	5	CH	Fat Clay w/ trace Gypsum - Red to medium brown, Very fine grained, moist, Medium plasticity, Cohesive, Massive
M	1,338		N	BH19	6	6		
M	1,237		N	BH19	7	7	SW-SM	Sand with Silt w/ trace Gypsum - Light brown to white, Very fine to coarse grained, Moist, Non-plastic, Noncohesive, Well graded
M	1,058		N	BH19	8	8		
M	968		N	BH19	9	9	CH	Fat Clay w/ trace Gypsum - Red to medium brown, Very fine grained, moist, Medium plasticity, Cohesive, Massive
M	1,659		N	BH19	10	10		
M	515		N	BH19	11	11		
M	1041		N	BH19	12	12		

					Sample Name: BH19		Date: 05/12/2025	
					Site Name: Tiger 14 CDP TB			
					Incident Number: nAPP2505726681			
					Job Number: 03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Jenna Hinkle		Method: Core Drill	
Coordinates: 32.211357, -104.051208					Hole Diameter: 3"		Total Depth: 16'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	487		N	BH19	13	13	CH	Fat Clay w/ trace Gypsum - Red to medium brown, Very fine grained, moist, Medium plasticity, Cohesive, Massive
M	431	177	N	BH19	14	14		
M	487		N	BH19	15	15		
M	341	52	N	BH19	16	16		
Total Depth@16 fett bgs								

					Sample Name: BH20		Date: 05/01/2025	
					Site Name: Tiger 14 CDP TB			
					Incident Number: nAPP2505726681			
					Job Number: 03A2270075			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Higinio Gonzalez		Method: Hand Auger	
Coordinates: 32.211498, -104.051621					Hole Diameter: 3"		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	1,238		N	BH20	0	0	CCHE	Pad Caliche
D	1,775		N	BH20	1	1	SW-SC	Sand with clay w/ trace gypsum - Medium to light brown, Very fine to coarse grained, Moist, Low Plasticity, Cohesive, Well graded
M	890		N	BH20	2	2		
M	241	28	N	BH20	3	3		
Total Depth @ 3 ft bgs.								

							Sample Name: KA1		Date: 01/29/2026	
							Site Name: Tiger 14 TB			
							Incident Number: nAPP251345553			
							Job Number: 03A2270101			
LITHOLOGIC / SOIL SAMPLING LOG							Logged By: LCL, JM		Method: 6" Air Rotary	
Coordinates: 32.210726, -104.050196							Hole Diameter: 6"		Total Depth: 44'	
Comments: Soil colors matched to Munsell Soil Color Book (2009 Revision)										
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
M					0	0	SPSC	0-1' - Sand with lean clay - loose, brown (7.5YR 5/4), moist, low plasticity, cohesive, granular, poorly graded medium-grained sand (~0.425 mm), with few poorly graded fines (6-15%), few moderately graded small gravel (6-15%), alluvial deposit, A horizon, sharp lower contact		
D					1	5	CCHE	1-13' - Indurated caliche, moderately cemented due to precipitation, white, hard, fine silt, sharp lower contact		
D					13	15	SM	13-17' - Silty sand - soft, pink (7.5YR 7/3), dry, non-plastic, non-cohesive, poorly graded fine sand, with little well graded medium grained selenite crystals (16-30%), alluvial deposit, gradational lower contact		
D					17	20	CL	17-22' - Gravelly clay - soft, pink (7.5YR 7/3), dry, non-plastic, non-cohesive, poorly graded, with some well graded small gravel, with little gypsum (16-30%), alluvial deposit, gradational lower contact		
D					22	25	CL	22-30' - Lean clay with gravel- soft, pink (7.5YR 7/3), dry, non-plastic, non-cohesive, poorly graded, with trace well graded small gravel (< 5%), higher percentage of gypsum than previous strat, some gypsum (31-49%), alluvial deposit, sharp lower contact,		
M					30	30	SP	30-35' - Sand with gravel - loose, light brown (7.5YR 6/4), moist, non-plastic, non-cohesive, poorly graded fine sand, with little well graded small gravel (16-30%), granular, alluvial deposit, gradational lower contact		
M					35	35	SPSC	35-40' - Sand with clay - loose, light brown (7.5YR 6/4), moist, non-plastic, non-cohesive, poorly graded fine sand, with trace gravel (< 5%), granular, fluvial deposit, gradational lower contact		
M					40	40	SC	40-44' - Clayey sand - loose, light brown (7.5YR 6/3), moist non-plastic, non-cohesive, well graded coarse sand, with trace fat clay (< 5%), granular, fluvial deposit		
Total Depth @ 44 feet bgs.										

							Sample Name: KA2		Date: 01/29/2026	
							Site Name: Tiger 14 TB			
							Incident Number: nAPP251345553			
							Job Number: 03A2270101			
LITHOLOGIC / SOIL SAMPLING LOG							Logged By: LCL, JM		Method: 6" Air Rotary	
Coordinates: 32.210750, -104.050040							Hole Diameter: 6"		Total Depth: 45'	
Comments: Soil colors matched to Munsell Soil Color Book (2009 Revision)										
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
M					0	0	SPSC	0-1' - Sand with lean clay - loose, brown (7.5YR 5/4), moist, low plasticity, cohesive, granular, poorly graded medium-grained sand (~0.425 mm), with few poorly graded fines (6-15%), few moderately graded small gravel (6-15%), alluvial deposit, A horizon, sharp lower contact		
D					1	5	CCHE	1-20' - Indurated caliche, moderately cemented due to precipitation, white, hard, fine silt, sharp lower contact		
D					10					
D					15					
D					20					
D					25	25	CL	17-22' - Gravelly clay - soft, pink (7.5YR 7/3), dry, non-plastic, non-cohesive, poorly graded, with some well graded small gravel, with little gypsum (16-30%), alluvial deposit, sharp lower contact		
M					30	30	SP	30-35' - Sand with gravel - loose, light brown (7.5YR 6/4), moist, non-plastic, non-cohesive, poorly graded fine sand, with little well graded small gravel (16-30%), granular, alluvial deposit, gradational lower contact		
M					35	35	SPSC	35-40' - Sand with clay - loose, light brown (7.5YR 6/4), moist, non-plastic, non-cohesive, poorly graded fine sand, with trace gravel (< 5%), granular, fluvial deposit, sharp lower contact		
D						40	CCHE	40-45' - Indurated caliche, moderately cemented, white, hard, fine silt		
Total Depth @ 45 feet bgs.										

					Sample Name: KA3		Date: 01/29/2026	
					Site Name: Tiger 14 TB			
					Incident Number: nAPP251345553			
					Job Number: 03A2270101			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: LCL, JM		Method: 6" Air Rotary	
Coordinates: 32.210786, -104.049845					Hole Diameter: 6"		Total Depth: 45'	
Comments: Soil colors matched to Munsell Soil Color Book (2009 Revision)								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M					0	0	SPSC	0-1' - Sand with lean clay - loose, brown (7.5YR 5/4), moist, low plasticity, cohesive, granular, poorly graded medium-grained sand (~0.425 mm), with few poorly graded fines (6-15%), few moderately graded small gravel (6-15%), alluvial deposit, sharp lower contact
D					1	5	CCHE	1-12' - Indurated caliche, moderately cemented due to precipitation, white, hard, fine silt, very pale brown (10YR 7/3), sharp lower contact
					12	10		12-15' - Gravelly clay - soft, very pale brown (10YR 7/3), dry, non-plastic, non-cohesive, poorly graded, with some well graded small gravel (31-49%), with little gypsum (16-30%), alluvial deposit, gradational lower contact
D					15	15	CL	15-20' - Gravelly clay - soft, very pale brown (10YR 7/3), dry, non-plastic, non-cohesive, poorly graded, with some well graded small gravel more silicious than previous strat, with little gypsum (16-30%), alluvial deposit, gradational lower contact
D					20	20	CL	20-22' - Sand with gravel - loose, dry, light brown (7.5YR 6/4), non-plastic, non-cohesive, poorly graded medium grained sand, with little small to large silicious gravel (16-30%), alluvial deposit, gradational lower contact
D					22	22	SP	22-26' - Sand with gravel - loose, dry, light brown (7.5YR 6/4), non-plastic, non-cohesive, poorly graded medium grained sand, with some large silicious gravel (31-40%), alluvial deposit, gradational lower contact
D					26	25	SP	26-30' - Sand with clay - loose, light brown (10YR 6/3), moist, non-plastic, non-cohesive, poorly graded fine sand, with trace large gravel (< 5%), with little small gravel sized clay (16-30%), granular, alluvial deposit, gradational lower contact
M					30	30	SP	30-37' - Sand with gravel - loose, light yellowish brown (10YR 6/4), moist, non-plastic, non-cohesive, poorly graded fine sand, with little well graded small gravel (16-30%), granular, alluvial deposit, gradational lower contact
M					37	37	SPSC	37-39' - Sand with clay - loose, yellowish brown (10YR 5/4), moist, non-plastic, non-cohesive, poorly graded fine sand, with trace gravel (< 5%), granular, fluvial deposit, gradational lower contact
M					39	40	SPSC	39-41' - Sand with clay - soft, brown (7.5YR 5/4), moist, slightly cohesive, poorly graded fine sand, with some clay (31-49%), granular, fluvial deposit, gradational lower contact
M					41	45	SC	41-45' - Lean clay with sand - soft, brown (7.5YR 5/4), moist, medium plasticity, cohesive, poorly graded, with little fine sand (16-30%), granular, fluvial deposit
M							CL	



APPENDIX D

Photographic Log

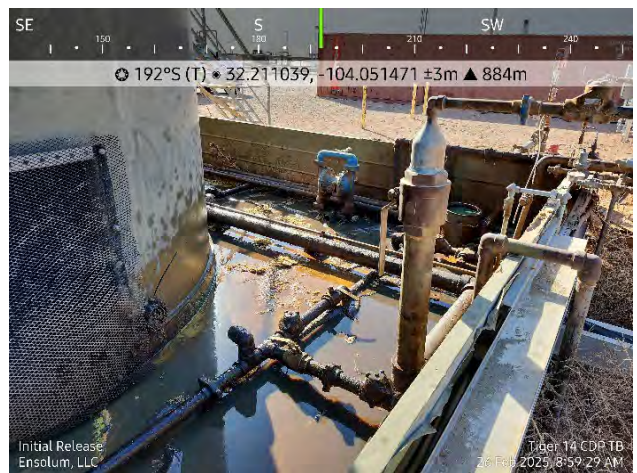


Photographic Log
Matador Production Company
Tiger 14 CDP TB
nAPP2505726681



Photograph 1
Date: 2/26/2025
Description: Initial Release
View: North

Photograph 2
Date: 2/26/2025
Description: Initial Release
View: West



Photograph 3
Date: 2/26/2025
Description: Initial Release
View: East

Photograph 4
Date: 2/26/2025
Description: Initial Release
View: South



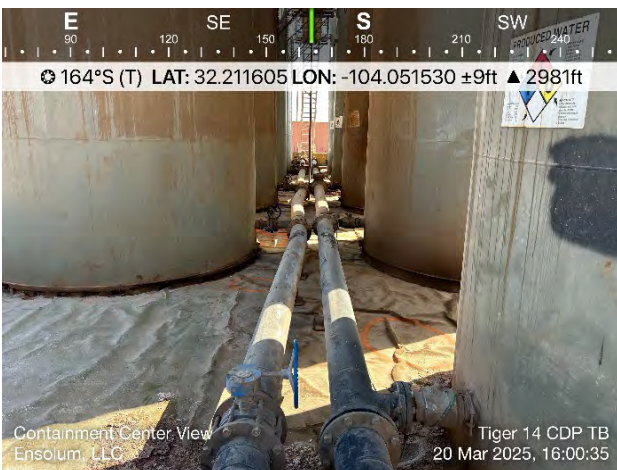
Photographic Log
Matador Production Company
Tiger 14 CDP TB
nAPP2505726681



Photograph 5 Date: 3/7/2025
Description: Delineation (SS04)
View: North



Photograph 6 Date: 3/20/2025
Description: Liner breach Southeast corner
View: Southwest



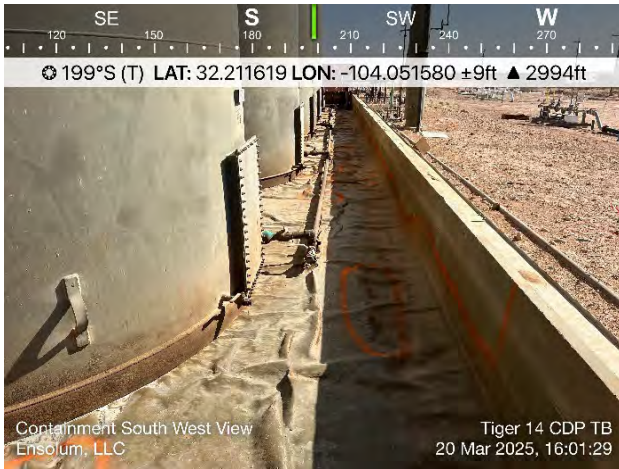
Photograph 7 Date: 3/20/2025
Description: Containment Center View
View: South



Photograph 8 Date: 3/20/2025
Description: Northwest Corner of Containment
View: East



Photographic Log
Matador Production Company
Tiger 14 CDP TB
nAPP2505726681



Photograph 9 Date:3/20/2025
Description: Containment Southwest view
View: South

Photograph 10 Date:3/20/2025
Description: Delineation (BH01)
View: South



Photograph 11 Date:3/20/2025
Description: Delineation(BH02)
View: Southeast

Photograph 12 Date:
Description: Delineation (BH03)
View: North

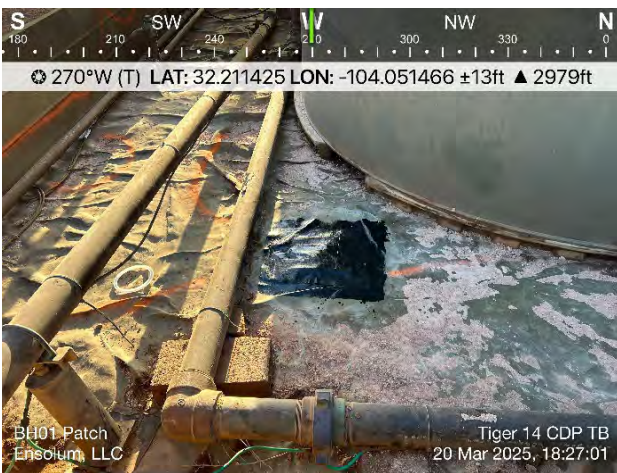


Photographic Log
Matador Production Company
Tiger 14 CDP TB
nAPP2505726681



Photograph 13 Date:3/20/2025
Description: Delineation (BH04)
View: Southwest

Photograph 14 Date:3/20/2025
Description: Delineation (BH05)
View: Northwest



Photograph 15 Date:3/20/2025
Description: BH01 patch
View: West

Photograph 16 Date:3/20/2025
Description: BH02 Patch
View: Northwest

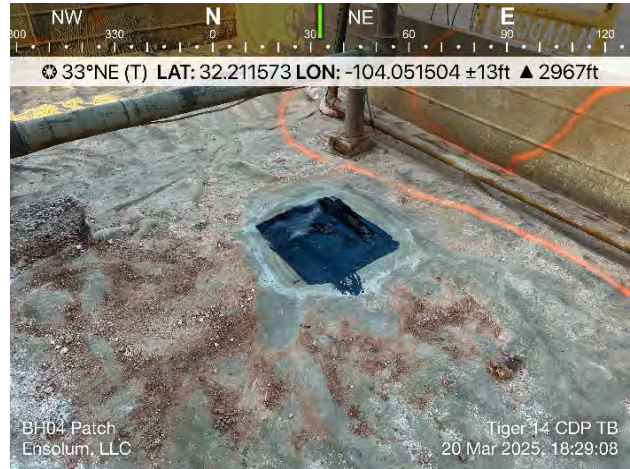


Photographic Log
Matador Production Company
Tiger 14 CDP TB
nAPP2505726681



Photograph 17
Description: BH03 Patch
View: East

Date:3/20/2025



Photograph 18
Description: BH04 Patch
View: Northeast

Date:3/20/2025



Photograph 19
Description: BH05 Patch
View: Northeast

Date:3/20/2025

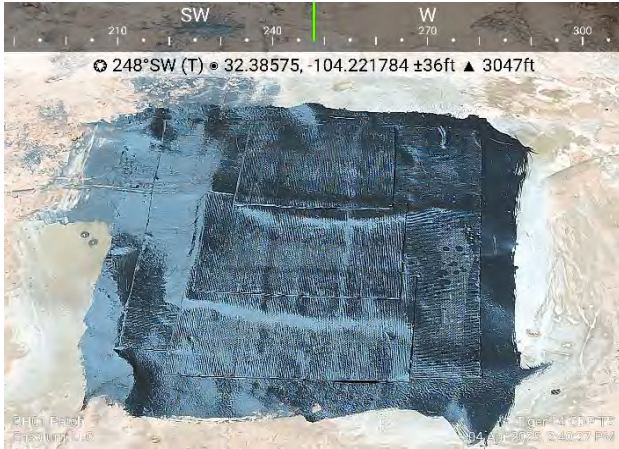


Photograph 20
Description: Delineation (BH01)
View: West

Date:4/4/2025

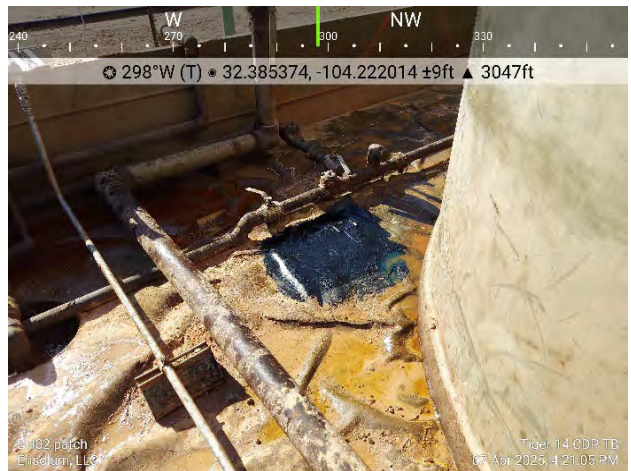
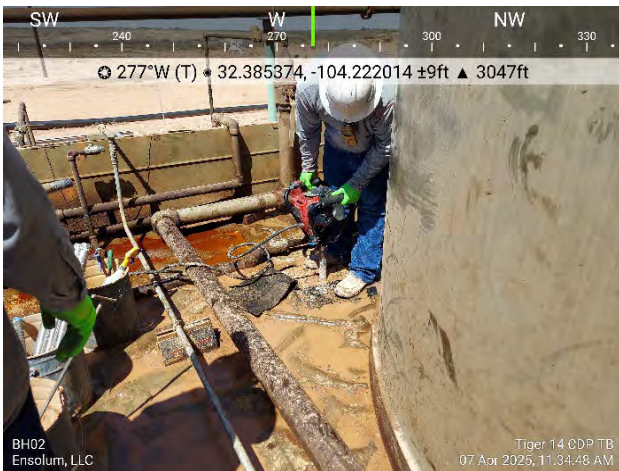


Photographic Log
Matador Production Company
Tiger 14 CDP TB
nAPP2505726681



Photograph 21 Date:4/07/2025
Description: BH01 Patch
View: West

Photograph 22 Date:4/07/2025
Description: SS03
View: Northeast



Photograph 23 Date:4/07/2025
Description: BH02
View: West

Photograph 24 Date:4/07/2025
Description: BH02 Patch
View: Northwest



Photographic Log
Matador Production Company
Tiger 14 CDP TB
nAPP2505726681



Photograph 25 Date: 4/30/2025
Description: Delineation (BH06)
View: North



Photograph 26 Date: 4/30/2025
Description: Delineation (BH07)
View: East



Photograph 27 Date: 4/30/2025
Description: Delineation (BH08)
View: Northeast



Photograph 28 Date: 5/1/2025
Description: Delineation (BH14)
View: North



Photographic Log
Matador Production Company
Tiger 14 CDP TB
nAPP2505726681



Photograph 29 Date: 5/1/2025
Description: Delineation (BH20)
View: Southeast



Photograph 30 Date: 5/1/2025
Description: Delineation (BH12)
View: South



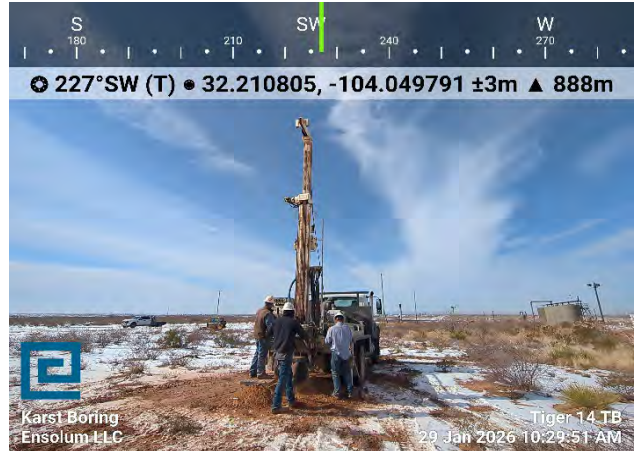
Photograph 31 Date: 5/12/2025
Description: Delineation (BH19)
View: West



Photograph 32 Date: 5/12/2025
Description: BH19 (Backfilled)
View: North

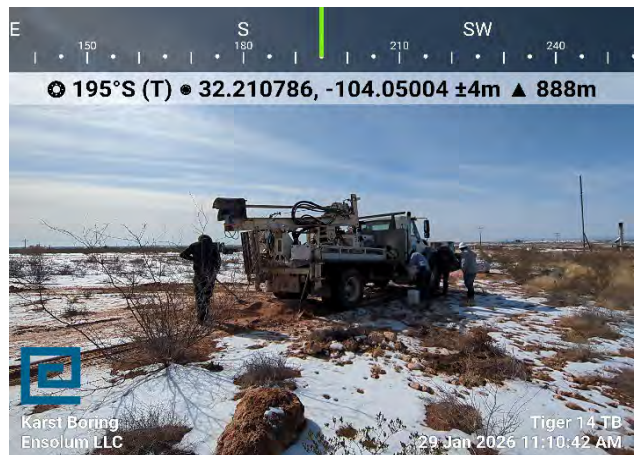
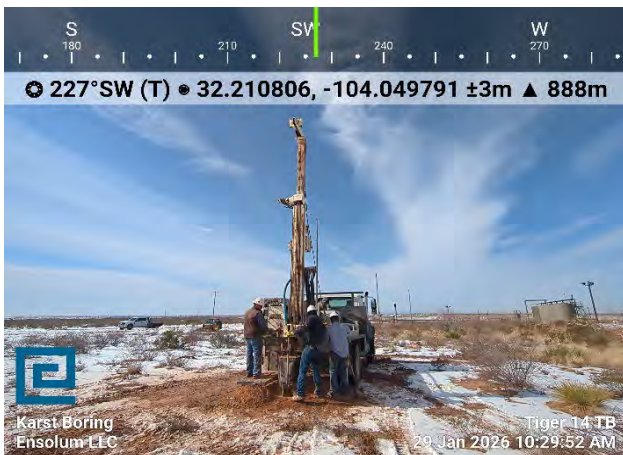


Photographic Log
Matador Production Company
Tiger 14 CDP TB
nAPP2505726681



Photograph 33 Date: 1/29/2026
Description: Karst Assessment Boring
View: West

Photograph 34 Date: 1/29/2026
Description: Karst Assessment Boring
View: Southwest



Photograph 35 Date: 1/29/2026
Description: Karst Assessment Boring
View: Southwest

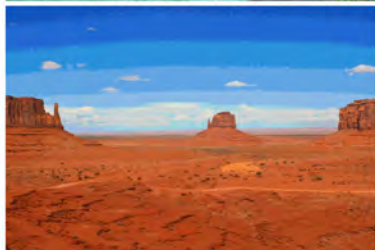
Photograph 36 Date: 1/29/2026
Description: Karst Assessment Boring
View: South



APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Tiger 14 CDP TB

Work Order: E503055

Job Number: 23003-0002

Received: 3/11/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/17/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 3/17/25

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

Project Name: Tiger 14 CDP TB
Workorder: E503055
Date Received: 3/11/2025 4:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/11/2025 4:30:00AM, under the Project Name: Tiger 14 CDP TB.

The analytical test results summarized in this report with the Project Name: Tiger 14 CDP 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/17/25 14:30
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS04-0'	E503055-01A	Soil	03/07/25	03/11/25	Glass Jar, 2 oz.
SS04-1'	E503055-02A	Soil	03/07/25	03/11/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/17/2025 2:30:42PM
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SS04-0'

E503055-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2511012
Benzene	ND	0.0250	1	03/11/25	03/12/25	
Ethylbenzene	ND	0.0250	1	03/11/25	03/12/25	
Toluene	ND	0.0250	1	03/11/25	03/12/25	
o-Xylene	ND	0.0250	1	03/11/25	03/12/25	
p,m-Xylene	ND	0.0500	1	03/11/25	03/12/25	
Total Xylenes	ND	0.0250	1	03/11/25	03/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	03/11/25	03/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	03/11/25	03/12/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/11/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2511012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/25	03/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	03/11/25	03/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	03/11/25	03/12/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/11/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2511015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/25	03/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/25	03/11/25	
<i>Surrogate: n-Nonane</i>		100 %	61-141	03/11/25	03/11/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2511016
Chloride	118	40.0	2	03/11/25	03/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/17/2025 2:30:42PM
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SS04-1'

E503055-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2511012
Benzene	ND	0.0250	1	03/11/25	03/12/25	
Ethylbenzene	ND	0.0250	1	03/11/25	03/12/25	
Toluene	ND	0.0250	1	03/11/25	03/12/25	
o-Xylene	ND	0.0250	1	03/11/25	03/12/25	
p,m-Xylene	ND	0.0500	1	03/11/25	03/12/25	
Total Xylenes	ND	0.0250	1	03/11/25	03/12/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	03/11/25	03/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	03/11/25	03/12/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/11/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2511012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/25	03/12/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	03/11/25	03/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	03/11/25	03/12/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/11/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2511015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/25	03/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/25	03/11/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	03/11/25	03/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2511016
Chloride	361	40.0	2	03/11/25	03/11/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/17/2025 2:30:42PM
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Volatile Organic Compounds by EPA 8260B

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
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Blank (2511012-BLK1)

Prepared: 03/11/25 Analyzed: 03/12/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.515		0.500		103		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.4		70-130		
Surrogate: Toluene-d8	0.544		0.500		109		70-130		

LCS (2511012-BS1)

Prepared: 03/11/25 Analyzed: 03/12/25

Benzene	2.21	0.0250	2.50		88.5		70-130		
Ethylbenzene	2.31	0.0250	2.50		92.6		70-130		
Toluene	2.38	0.0250	2.50		95.3		70-130		
o-Xylene	2.40	0.0250	2.50		96.1		70-130		
p,m-Xylene	4.99	0.0500	5.00		99.8		70-130		
Total Xylenes	7.39	0.0250	7.50		98.6		70-130		
Surrogate: Bromofluorobenzene	0.522		0.500		104		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6		70-130		
Surrogate: Toluene-d8	0.526		0.500		105		70-130		

Matrix Spike (2511012-MS1)

Source: E503056-04

Prepared: 03/11/25 Analyzed: 03/12/25

Benzene	2.06	0.0250	2.50	ND	82.6		48-131		
Ethylbenzene	2.16	0.0250	2.50	ND	86.4		45-135		
Toluene	2.27	0.0250	2.50	ND	91.0		48-130		
o-Xylene	2.18	0.0250	2.50	ND	87.0		43-135		
p,m-Xylene	4.58	0.0500	5.00	ND	91.5		43-135		
Total Xylenes	6.75	0.0250	7.50	ND	90.0		43-135		
Surrogate: Bromofluorobenzene	0.515		0.500		103		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.516		0.500		103		70-130		
Surrogate: Toluene-d8	0.537		0.500		107		70-130		

Matrix Spike Dup (2511012-MSD1)

Source: E503056-04

Prepared: 03/11/25 Analyzed: 03/12/25

Benzene	2.40	0.0250	2.50	ND	95.9		48-131	14.9	23
Ethylbenzene	2.50	0.0250	2.50	ND	100		45-135	14.6	27
Toluene	2.62	0.0250	2.50	ND	105		48-130	14.0	24
o-Xylene	2.60	0.0250	2.50	ND	104		43-135	17.7	27
p,m-Xylene	5.40	0.0500	5.00	ND	108		43-135	16.6	27
Total Xylenes	8.00	0.0250	7.50	ND	107		43-135	16.9	27
Surrogate: Bromofluorobenzene	0.522		0.500		104		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.515		0.500		103		70-130		
Surrogate: Toluene-d8	0.531		0.500		106		70-130		



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/17/2025 2:30:42PM
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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
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Blank (2511012-BLK1)

Prepared: 03/11/25 Analyzed: 03/12/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.4	70-130			
Surrogate: Toluene-d8	0.544		0.500		109	70-130			

LCS (2511012-BS2)

Prepared: 03/11/25 Analyzed: 03/12/25

Gasoline Range Organics (C6-C10)	53.0	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	0.547		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.550		0.500		110	70-130			

Matrix Spike (2511012-MS2)

Source: E503056-04

Prepared: 03/11/25 Analyzed: 03/12/25

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130			
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.545		0.500		109	70-130			

Matrix Spike Dup (2511012-MSD2)

Source: E503056-04

Prepared: 03/11/25 Analyzed: 03/12/25

Gasoline Range Organics (C6-C10)	51.0	20.0	50.0	ND	102	70-130	1.12	20	
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.542		0.500		108	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/17/2025 2:30:42PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2511015-BLK1)

Prepared: 03/11/25 Analyzed: 03/11/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.2		50.0		100	61-141			

LCS (2511015-BS1)

Prepared: 03/11/25 Analyzed: 03/11/25

Diesel Range Organics (C10-C28)	244	25.0	250		97.5	66-144			
Surrogate: n-Nonane	50.2		50.0		100	61-141			

Matrix Spike (2511015-MS1)

Source: E503056-02

Prepared: 03/11/25 Analyzed: 03/11/25

Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.2	56-156			
Surrogate: n-Nonane	49.7		50.0		99.4	61-141			

Matrix Spike Dup (2511015-MSD1)

Source: E503056-02

Prepared: 03/11/25 Analyzed: 03/11/25

Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.5	56-156	4.79	20	
Surrogate: n-Nonane	48.0		50.0		95.9	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/17/2025 2:30:42PM
---	---	---

Anions by EPA 300.0/9056A

Analyst: JM

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

Blank (2511016-BLK1)

Prepared: 03/11/25 Analyzed: 03/11/25

Chloride ND 20.0

LCS (2511016-BS1)

Prepared: 03/11/25 Analyzed: 03/11/25

Chloride 255 20.0 250 102 90-110

Matrix Spike (2511016-MS1)

Source: E503052-02

Prepared: 03/11/25 Analyzed: 03/11/25

Chloride 253 20.0 250 ND 101 80-120

Matrix Spike Dup (2511016-MSD1)

Source: E503052-02

Prepared: 03/11/25 Analyzed: 03/11/25

Chloride 254 20.0 250 ND 102 80-120 0.282 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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/17/25 14:30
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Chain of Custody

Released to Imaging: 3/20/2026 3:08:17 PM

Received by OCD: 3/12/2026 1:05:05 PM

Page 12 of 13

Page 95 of 500

Client Information				Invoice Information				Lab Use Only				TAT				State				
Client: Matador				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX	
Project: Tiger 14 COP TB				Address: 3122 National Parks Hwy				E 503055		23003-002					X	X				
Project Manager: Ashley Gioveno				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agioveno@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agioveno@ensolum.com																				
Sample Information										Analysis and Method				EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ.1005 - TX	RCRA & Metals	SDWA	CWA	RCRA	Compliance	Y or N	
1057	3/7/25	Soil	1	SS04-0'		1						X								
1125	3/7/25	Soil	1	SS04-1'		2						X								
												X								
												X								
												X								
												X								
												X								
												X								
												X								
												X								
Additional Instructions: Please CC: cburton@ensolum.com, agioveno@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: <u>Israel Estrella and Jenna Finkle</u>																				
Relinquished by: (Signature) <u>Jenna Finkle</u>		Date	Time	Received by: (Signature) <u>Michelle Gonzales</u>		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>												
Relinquished by: (Signature) <u>Michelle Gonzales</u>		Date	Time	Received by: (Signature) <u>John J.</u>		Date	Time													
Relinquished by: (Signature) <u>John J.</u>		Date	Time	Received by: (Signature) <u>Kaylyn R Hele</u>		Date	Time													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



Envirotech Analytical Laboratory

Printed: 3/11/2025 8:17:07AM

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: 03/11/25 04:30 Work Order ID: E503055
Phone: (972) 371-5200 Date Logged In: 03/10/25 14:26 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 03/17/25 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

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

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

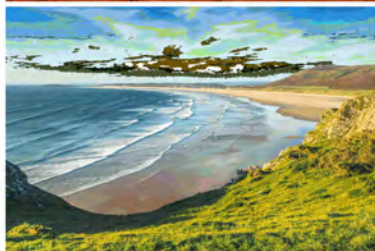
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Tiger 14 DCP TB

Work Order: E503193

Job Number: 23003-0002

Received: 3/24/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/28/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 3/28/25

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

Project Name: Tiger 14 DCP TB
Workorder: E503193
Date Received: 3/24/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/24/2025 8:00:00AM, under the Project Name: Tiger 14 DCP TB.

The analytical test results summarized in this report with the Project Name: Tiger 14 DCP 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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

Project Name: Tiger 14 DCP TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
03/28/25 14:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E503193-01A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH01-2'	E503193-02A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH01-4'	E503193-03A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH01-6'	E503193-04A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH01-8'	E503193-05A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH01-11'	E503193-06A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH02-0'	E503193-07A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH02-2'	E503193-08A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH02-4'	E503193-09A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH02-6'	E503193-10A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH02-8'	E503193-11A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH02-10'	E503193-12A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH02-13'	E503193-13A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH03-0'	E503193-14A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH03-2'	E503193-15A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH04-0'	E503193-16A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH04-2'	E503193-17A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH04-3'	E503193-18A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH05-0'	E503193-19A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH05-2'	E503193-20A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH05-4'	E503193-21A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.
BH05-6'	E503193-22A	Soil	03/20/25	03/24/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH01-0'
E503193-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	0.444	0.0250	1	03/24/25	03/25/25	
Ethylbenzene	5.71	0.0250	1	03/24/25	03/25/25	
Toluene	10.9	0.0250	1	03/24/25	03/25/25	
o-Xylene	9.10	0.0250	1	03/24/25	03/25/25	
p,m-Xylene	24.1	0.0500	1	03/24/25	03/25/25	
Total Xylenes	33.2	0.0250	1	03/24/25	03/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.5 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	342	20.0	1	03/24/25	03/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		126 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	13700	1250	50	03/24/25	03/26/25	T9
Oil Range Organics (C28-C36)	7990	2500	50	03/24/25	03/26/25	
<i>Surrogate: n-Nonane</i>						
		282 %	61-141	03/24/25	03/26/25	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	480	20.0	1	03/24/25	03/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH01-2'
E503193-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	ND	0.0250	1	03/24/25	03/25/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/25/25	
Toluene	ND	0.0250	1	03/24/25	03/25/25	
o-Xylene	ND	0.0250	1	03/24/25	03/25/25	
p,m-Xylene	ND	0.0500	1	03/24/25	03/25/25	
Total Xylenes	ND	0.0250	1	03/24/25	03/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		79.5 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.9 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/25	03/25/25	
Oil Range Organics (C28-C36)	94.0	50.0	1	03/24/25	03/25/25	
<i>Surrogate: n-Nonane</i>		96.5 %	61-141	03/24/25	03/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	3420	200	10	03/24/25	03/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH01-4'
E503193-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	ND	0.0250	1	03/24/25	03/25/25	
Ethylbenzene	0.0255	0.0250	1	03/24/25	03/25/25	
Toluene	ND	0.0250	1	03/24/25	03/25/25	
o-Xylene	ND	0.0250	1	03/24/25	03/25/25	
p,m-Xylene	ND	0.0500	1	03/24/25	03/25/25	
Total Xylenes	ND	0.0250	1	03/24/25	03/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		82.6 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.5 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/25	03/25/25	
Oil Range Organics (C28-C36)	67.9	50.0	1	03/24/25	03/25/25	
<i>Surrogate: n-Nonane</i>						
		96.9 %	61-141	03/24/25	03/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	1890	40.0	2	03/24/25	03/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH01-6'
E503193-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	ND	0.0250	1	03/24/25	03/25/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/25/25	
Toluene	ND	0.0250	1	03/24/25	03/25/25	
o-Xylene	ND	0.0250	1	03/24/25	03/25/25	
p,m-Xylene	ND	0.0500	1	03/24/25	03/25/25	
Total Xylenes	ND	0.0250	1	03/24/25	03/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		82.9 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.6 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/25	03/24/25	
Oil Range Organics (C28-C36)	50.0	50.0	1	03/24/25	03/24/25	
<i>Surrogate: n-Nonane</i>						
		95.5 %	61-141	03/24/25	03/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	2660	20.0	1	03/24/25	03/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH01-8'
E503193-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	ND	0.0250	1	03/24/25	03/25/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/25/25	
Toluene	ND	0.0250	1	03/24/25	03/25/25	
o-Xylene	ND	0.0250	1	03/24/25	03/25/25	
p,m-Xylene	ND	0.0500	1	03/24/25	03/25/25	
Total Xylenes	ND	0.0250	1	03/24/25	03/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		83.1 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.4 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/25	03/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/25	03/24/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	03/24/25	03/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	1910	200	10	03/24/25	03/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH01-11'

E503193-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	ND	0.0250	1	03/24/25	03/25/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/25/25	
Toluene	ND	0.0250	1	03/24/25	03/25/25	
o-Xylene	ND	0.0250	1	03/24/25	03/25/25	
p,m-Xylene	ND	0.0500	1	03/24/25	03/25/25	
Total Xylenes	ND	0.0250	1	03/24/25	03/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		83.2 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.7 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	82.1	25.0	1	03/24/25	03/24/25	
Oil Range Organics (C28-C36)	70.5	50.0	1	03/24/25	03/24/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	03/24/25	03/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	334	200	10	03/24/25	03/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH02-0'
E503193-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	ND	0.0250	1	03/24/25	03/25/25	
Ethylbenzene	3.11	0.0250	1	03/24/25	03/25/25	
Toluene	0.400	0.0250	1	03/24/25	03/25/25	
o-Xylene	7.84	0.0250	1	03/24/25	03/25/25	
p,m-Xylene	19.6	0.0500	1	03/24/25	03/25/25	
Total Xylenes	27.4	0.0250	1	03/24/25	03/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.6 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	240	20.0	1	03/24/25	03/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		115 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	6780	25.0	1	03/24/25	03/24/25	T9
Oil Range Organics (C28-C36)	2370	50.0	1	03/24/25	03/24/25	
<i>Surrogate: n-Nonane</i>						
		236 %	61-141	03/24/25	03/24/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	3830	40.0	2	03/24/25	03/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH02-2'
E503193-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	ND	0.0250	1	03/24/25	03/25/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/25/25	
Toluene	ND	0.0250	1	03/24/25	03/25/25	
o-Xylene	ND	0.0250	1	03/24/25	03/25/25	
p,m-Xylene	ND	0.0500	1	03/24/25	03/25/25	
Total Xylenes	ND	0.0250	1	03/24/25	03/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		79.7 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.9 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/25	03/24/25	
Oil Range Organics (C28-C36)	62.8	50.0	1	03/24/25	03/24/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	03/24/25	03/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	11700	400	20	03/24/25	03/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH02-4'
E503193-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	ND	0.0250	1	03/24/25	03/25/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/25/25	
Toluene	ND	0.0250	1	03/24/25	03/25/25	
o-Xylene	ND	0.0250	1	03/24/25	03/25/25	
p,m-Xylene	ND	0.0500	1	03/24/25	03/25/25	
Total Xylenes	ND	0.0250	1	03/24/25	03/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		82.4 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.9 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/25	03/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/25	03/24/25	
<i>Surrogate: n-Nonane</i>		96.5 %	61-141	03/24/25	03/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	8350	200	10	03/24/25	03/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH02-6'
E503193-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	ND	0.0250	1	03/24/25	03/25/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/25/25	
Toluene	ND	0.0250	1	03/24/25	03/25/25	
o-Xylene	ND	0.0250	1	03/24/25	03/25/25	
p,m-Xylene	ND	0.0500	1	03/24/25	03/25/25	
Total Xylenes	ND	0.0250	1	03/24/25	03/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		83.3 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.4 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	34.1	25.0	1	03/24/25	03/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/25	03/24/25	
<i>Surrogate: n-Nonane</i>						
		98.4 %	61-141	03/24/25	03/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	9610	200	10	03/24/25	03/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH02-8'
E503193-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	ND	0.0250	1	03/24/25	03/25/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/25/25	
Toluene	ND	0.0250	1	03/24/25	03/25/25	
o-Xylene	ND	0.0250	1	03/24/25	03/25/25	
p,m-Xylene	ND	0.0500	1	03/24/25	03/25/25	
Total Xylenes	ND	0.0250	1	03/24/25	03/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		79.7 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.5 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/25	03/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/25	03/24/25	
<i>Surrogate: n-Nonane</i>		95.1 %	61-141	03/24/25	03/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	7020	100	5	03/24/25	03/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH02-10'

E503193-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	ND	0.0250	1	03/24/25	03/25/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/25/25	
Toluene	ND	0.0250	1	03/24/25	03/25/25	
o-Xylene	ND	0.0250	1	03/24/25	03/25/25	
p,m-Xylene	ND	0.0500	1	03/24/25	03/25/25	
Total Xylenes	ND	0.0250	1	03/24/25	03/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		77.8 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.3 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/25	03/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/25	03/24/25	
<i>Surrogate: n-Nonane</i>		96.6 %	61-141	03/24/25	03/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	7430	100	5	03/24/25	03/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH02-13'

E503193-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	ND	0.0250	1	03/24/25	03/25/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/25/25	
Toluene	ND	0.0250	1	03/24/25	03/25/25	
o-Xylene	ND	0.0250	1	03/24/25	03/25/25	
p,m-Xylene	ND	0.0500	1	03/24/25	03/25/25	
Total Xylenes	ND	0.0250	1	03/24/25	03/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		79.1 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.9 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/25	03/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/25	03/24/25	
<i>Surrogate: n-Nonane</i>		98.2 %	61-141	03/24/25	03/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	4690	200	10	03/24/25	03/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH03-0'
E503193-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	0.0804	0.0250	1	03/24/25	03/25/25	
Ethylbenzene	4.93	0.0250	1	03/24/25	03/25/25	
Toluene	6.54	0.0250	1	03/24/25	03/25/25	
o-Xylene	9.33	0.0250	1	03/24/25	03/25/25	
p,m-Xylene	23.0	0.0500	1	03/24/25	03/25/25	
Total Xylenes	32.4	0.0250	1	03/24/25	03/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		86.4 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	350	20.0	1	03/24/25	03/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		125 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	14900	1250	50	03/24/25	03/26/25	T9
Oil Range Organics (C28-C36)	4650	2500	50	03/24/25	03/26/25	
<i>Surrogate: n-Nonane</i>						
		278 %	61-141	03/24/25	03/26/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	684	20.0	1	03/24/25	03/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH03-2'
E503193-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	ND	0.0250	1	03/24/25	03/27/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/27/25	
Toluene	ND	0.0250	1	03/24/25	03/27/25	
o-Xylene	ND	0.0250	1	03/24/25	03/27/25	
p,m-Xylene	ND	0.0500	1	03/24/25	03/27/25	
Total Xylenes	ND	0.0250	1	03/24/25	03/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		83.9 %	70-130	03/24/25	03/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.3 %	70-130	03/24/25	03/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/25	03/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/25	03/25/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	03/24/25	03/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	402	200	10	03/24/25	03/25/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH04-0'
E503193-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	ND	0.0250	1	03/24/25	03/25/25	
Ethylbenzene	0.0464	0.0250	1	03/24/25	03/25/25	
Toluene	ND	0.0250	1	03/24/25	03/25/25	
o-Xylene	0.0610	0.0250	1	03/24/25	03/25/25	
p,m-Xylene	0.107	0.0500	1	03/24/25	03/25/25	
Total Xylenes	0.168	0.0250	1	03/24/25	03/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		81.3 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.5 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	1070	25.0	1	03/24/25	03/25/25	
Oil Range Organics (C28-C36)	1650	50.0	1	03/24/25	03/25/25	
<i>Surrogate: n-Nonane</i>						
		95.7 %	61-141	03/24/25	03/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	970	20.0	1	03/24/25	03/25/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH04-2'
E503193-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	ND	0.0250	1	03/24/25	03/25/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/25/25	
Toluene	ND	0.0250	1	03/24/25	03/25/25	
o-Xylene	ND	0.0250	1	03/24/25	03/25/25	
p,m-Xylene	ND	0.0500	1	03/24/25	03/25/25	
Total Xylenes	ND	0.0250	1	03/24/25	03/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		81.0 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.4 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/25	03/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/25	03/25/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	03/24/25	03/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	531	200	10	03/24/25	03/25/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH04-3'
E503193-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	ND	0.0250	1	03/24/25	03/25/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/25/25	
Toluene	ND	0.0250	1	03/24/25	03/25/25	
o-Xylene	ND	0.0250	1	03/24/25	03/25/25	
p,m-Xylene	ND	0.0500	1	03/24/25	03/25/25	
Total Xylenes	ND	0.0250	1	03/24/25	03/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		80.1 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.5 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/25	03/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/25	03/25/25	
<i>Surrogate: n-Nonane</i>						
		102 %	61-141	03/24/25	03/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	175	20.0	1	03/24/25	03/25/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH05-0'
E503193-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	ND	0.0250	1	03/24/25	03/25/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/25/25	
Toluene	ND	0.0250	1	03/24/25	03/25/25	
o-Xylene	ND	0.0250	1	03/24/25	03/25/25	
p,m-Xylene	ND	0.0500	1	03/24/25	03/25/25	
Total Xylenes	ND	0.0250	1	03/24/25	03/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		79.1 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.1 %	70-130	03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/25	03/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/25	03/25/25	
<i>Surrogate: n-Nonane</i>		94.9 %	61-141	03/24/25	03/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	1230	20.0	1	03/24/25	03/25/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH05-2'
E503193-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Benzene	ND	0.0250	1	03/24/25	03/25/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/25/25	
Toluene	ND	0.0250	1	03/24/25	03/25/25	
o-Xylene	ND	0.0250	1	03/24/25	03/25/25	
p,m-Xylene	ND	0.0500	1	03/24/25	03/25/25	
Total Xylenes	ND	0.0250	1	03/24/25	03/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	79.4 %	70-130		03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2513005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.0 %	70-130		03/24/25	03/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2513011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/25	03/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/25	03/25/25	
<i>Surrogate: n-Nonane</i>						
	96.2 %	61-141		03/24/25	03/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2513014
Chloride	1040	200	10	03/24/25	03/25/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH05-4'
E503193-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2513004
Benzene	ND	0.0250	1	03/24/25	03/24/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/24/25	
Toluene	ND	0.0250	1	03/24/25	03/24/25	
o-Xylene	ND	0.0250	1	03/24/25	03/24/25	
p,m-Xylene	ND	0.0500	1	03/24/25	03/24/25	
Total Xylenes	ND	0.0250	1	03/24/25	03/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.7 %	70-130	03/24/25	03/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2513004
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.6 %	70-130	03/24/25	03/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2513027
Diesel Range Organics (C10-C28)	ND	25.0	1	03/25/25	03/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/25/25	03/25/25	
<i>Surrogate: n-Nonane</i>		94.0 %	61-141	03/25/25	03/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2513020
Chloride	769	20.0	1	03/24/25	03/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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BH05-6'
E503193-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2513004
Benzene	ND	0.0250	1	03/24/25	03/24/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/24/25	
Toluene	ND	0.0250	1	03/24/25	03/24/25	
o-Xylene	ND	0.0250	1	03/24/25	03/24/25	
p,m-Xylene	ND	0.0500	1	03/24/25	03/24/25	
Total Xylenes	ND	0.0250	1	03/24/25	03/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.4 %	70-130	03/24/25	03/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2513004
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	03/24/25	03/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2513027
Diesel Range Organics (C10-C28)	ND	25.0	1	03/25/25	03/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/25/25	03/25/25	
<i>Surrogate: n-Nonane</i>		92.0 %	61-141	03/25/25	03/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2513020
Chloride	375	20.0	1	03/24/25	03/24/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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Volatile Organics by EPA 8021B

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
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Blank (2513004-BLK1)

Prepared: 03/24/25 Analyzed: 03/24/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			

LCS (2513004-BS1)

Prepared: 03/24/25 Analyzed: 03/24/25

Benzene	4.03	0.0250	5.00		80.7	70-130			
Ethylbenzene	3.89	0.0250	5.00		77.8	70-130			
Toluene	3.99	0.0250	5.00		79.8	70-130			
o-Xylene	3.94	0.0250	5.00		78.8	70-130			
p,m-Xylene	7.85	0.0500	10.0		78.5	70-130			
Total Xylenes	11.8	0.0250	15.0		78.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			

Matrix Spike (2513004-MS1)

Source: E503190-03

Prepared: 03/24/25 Analyzed: 03/24/25

Benzene	4.58	0.0250	5.00	ND	91.7	70-130			
Ethylbenzene	4.42	0.0250	5.00	ND	88.4	70-130			
Toluene	4.53	0.0250	5.00	ND	90.6	70-130			
o-Xylene	4.45	0.0250	5.00	ND	89.0	70-130			
p,m-Xylene	8.89	0.0500	10.0	ND	88.9	70-130			
Total Xylenes	13.3	0.0250	15.0	ND	88.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			

Matrix Spike Dup (2513004-MSD1)

Source: E503190-03

Prepared: 03/24/25 Analyzed: 03/24/25

Benzene	4.87	0.0250	5.00	ND	97.4	70-130	6.12	27	
Ethylbenzene	4.69	0.0250	5.00	ND	93.9	70-130	6.01	26	
Toluene	4.81	0.0250	5.00	ND	96.2	70-130	5.96	20	
o-Xylene	4.69	0.0250	5.00	ND	93.8	70-130	5.23	25	
p,m-Xylene	9.41	0.0500	10.0	ND	94.1	70-130	5.73	23	
Total Xylenes	14.1	0.0250	15.0	ND	94.0	70-130	5.56	26	
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2513005-BLK1)

Prepared: 03/24/25 Analyzed: 03/25/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.59		8.00		82.4	70-130			

LCS (2513005-BS1)

Prepared: 03/24/25 Analyzed: 03/25/25

Benzene	4.87	0.0250	5.00		97.5	70-130			
Ethylbenzene	4.64	0.0250	5.00		92.8	70-130			
Toluene	4.79	0.0250	5.00		95.8	70-130			
o-Xylene	4.64	0.0250	5.00		92.9	70-130			
p,m-Xylene	9.42	0.0500	10.0		94.2	70-130			
Total Xylenes	14.1	0.0250	15.0		93.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.66		8.00		83.2	70-130			

Matrix Spike (2513005-MS1)

Source: E503193-06

Prepared: 03/24/25 Analyzed: 03/25/25

Benzene	4.90	0.0250	5.00	ND	97.9	70-130			
Ethylbenzene	4.65	0.0250	5.00	ND	93.0	70-130			
Toluene	4.80	0.0250	5.00	ND	96.1	70-130			
o-Xylene	4.66	0.0250	5.00	ND	93.2	70-130			
p,m-Xylene	9.45	0.0500	10.0	ND	94.5	70-130			
Total Xylenes	14.1	0.0250	15.0	ND	94.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.73		8.00		84.1	70-130			

Matrix Spike Dup (2513005-MSD1)

Source: E503193-06

Prepared: 03/24/25 Analyzed: 03/25/25

Benzene	5.49	0.0250	5.00	ND	110	70-130	11.5	27	
Ethylbenzene	5.22	0.0250	5.00	ND	104	70-130	11.4	26	
Toluene	5.38	0.0250	5.00	ND	108	70-130	11.4	20	
o-Xylene	5.20	0.0250	5.00	ND	104	70-130	10.9	25	
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130	11.2	23	
Total Xylenes	15.8	0.0250	15.0	ND	105	70-130	11.1	26	
Surrogate: 4-Bromochlorobenzene-PID	6.72		8.00		84.0	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2513004-BLK1)

Prepared: 03/24/25 Analyzed: 03/24/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.9	70-130			

LCS (2513004-BS2)

Prepared: 03/24/25 Analyzed: 03/24/25

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.00		8.00		99.9	70-130			

Matrix Spike (2513004-MS2)

Source: E503190-03

Prepared: 03/24/25 Analyzed: 03/24/25

Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.8	70-130			

Matrix Spike Dup (2513004-MSD2)

Source: E503190-03

Prepared: 03/24/25 Analyzed: 03/24/25

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.2	70-130	7.73	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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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
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Blank (2513005-BLK1)

Prepared: 03/24/25 Analyzed: 03/25/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			

LCS (2513005-BS2)

Prepared: 03/24/25 Analyzed: 03/25/25

Gasoline Range Organics (C6-C10)	39.8	20.0	50.0		79.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			

Matrix Spike (2513005-MS2)

Source: E503193-06

Prepared: 03/24/25 Analyzed: 03/25/25

Gasoline Range Organics (C6-C10)	42.1	20.0	50.0	ND	84.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.2	70-130			

Matrix Spike Dup (2513005-MSD2)

Source: E503193-06

Prepared: 03/24/25 Analyzed: 03/25/25

Gasoline Range Organics (C6-C10)	40.9	20.0	50.0	ND	81.9	70-130	2.68	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2513011-BLK1)

Prepared: 03/24/25 Analyzed: 03/24/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	46.5		50.0		92.9	61-141			

LCS (2513011-BS1)

Prepared: 03/24/25 Analyzed: 03/24/25

Diesel Range Organics (C10-C28)	242	25.0	250		96.7	66-144			
Surrogate: <i>n</i> -Nonane	46.3		50.0		92.5	61-141			

Matrix Spike (2513011-MS1)

Source: E503193-12

Prepared: 03/24/25 Analyzed: 03/24/25

Diesel Range Organics (C10-C28)	279	25.0	250	ND	112	56-156			
Surrogate: <i>n</i> -Nonane	52.9		50.0		106	61-141			

Matrix Spike Dup (2513011-MSD1)

Source: E503193-12

Prepared: 03/24/25 Analyzed: 03/24/25

Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	56-156	8.68	20	
Surrogate: <i>n</i> -Nonane	49.1		50.0		98.3	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2513027-BLK1)

Prepared: 03/25/25 Analyzed: 03/26/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.5		50.0		89.1	61-141			

LCS (2513027-BS1)

Prepared: 03/25/25 Analyzed: 03/25/25

Diesel Range Organics (C10-C28)	243	25.0	250		97.3	66-144			
Surrogate: n-Nonane	46.7		50.0		93.4	61-141			

Matrix Spike (2513027-MS1)

Source: E503204-03

Prepared: 03/25/25 Analyzed: 03/25/25

Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.3	56-156			
Surrogate: n-Nonane	46.7		50.0		93.4	61-141			

Matrix Spike Dup (2513027-MSD1)

Source: E503204-03

Prepared: 03/25/25 Analyzed: 03/25/25

Diesel Range Organics (C10-C28)	235	25.0	250	ND	94.1	56-156	5.45	20	
Surrogate: n-Nonane	44.4		50.0		88.9	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
---	---	---

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2513014-BLK1)

Prepared: 03/24/25 Analyzed: 03/24/25

Chloride	ND	20.0							
----------	----	------	--	--	--	--	--	--	--

LCS (2513014-BS1)

Prepared: 03/24/25 Analyzed: 03/24/25

Chloride	260	20.0	250		104	90-110			
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Matrix Spike (2513014-MS1)

Source: E503193-04

Prepared: 03/24/25 Analyzed: 03/24/25

Chloride	2990	20.0	250	2660	135	80-120			M4
----------	------	------	-----	------	-----	--------	--	--	----

Matrix Spike Dup (2513014-MSD1)

Source: E503193-04

Prepared: 03/24/25 Analyzed: 03/24/25

Chloride	2770	20.0	250	2660	44.5	80-120	7.90	20	M4
----------	------	------	-----	------	------	--------	------	----	----



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/28/2025 2:09:08PM
---	---	---

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2513020-BLK1)

Prepared: 03/24/25 Analyzed: 03/24/25

Chloride ND 20.0

LCS (2513020-BS1)

Prepared: 03/24/25 Analyzed: 03/24/25

Chloride 254 20.0 250 102 90-110

Matrix Spike (2513020-MS1)

Source: E503192-03

Prepared: 03/24/25 Analyzed: 03/24/25

Chloride 295 20.0 250 37.8 103 80-120

Matrix Spike Dup (2513020-MSD1)

Source: E503192-03

Prepared: 03/24/25 Analyzed: 03/24/25

Chloride 295 20.0 250 37.8 103 80-120 0.0630 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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 DCP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/28/25 14:09
---	---	------------------------------------

- 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.
- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- T9 DRO includes undifferentiated early eluting analytes characteristic of GRO.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Chain of Custody

Released to Imaging: 3/20/2026 3:08:17 PM

Received by OCD: 3/12/2026 1:05:05 PM

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Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Tiger 14 DCP TB				Address: 3122 National Parks Hwy				E503493		23005002					X	X-			
Project Manager: Ashley Gioveno				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agioveno@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agioveno@ensolum.com																			
Sample Information										Analysis and Method						EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	Compliance	PWSID #
1027	3/20/25	soil	1	BH01-01		1						X						Y	
1039				-2'		2						X							
1252				-4'		3						X							
1401				-6'		4						X							
1404				-8'		5						X							
1514				-11'		6						X							
1044				BH02-01		7						X							
1058				-2'		8						X							
1256				+ -4'		9						X							
1407				-6'		10						X							
Additional Instructions: Please CC: cburton@ensolum.com, agioveno@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Israel Estrella																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



envirotech

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Chain of Custody

Released to Imaging: 3/20/2026 3:08:17 PM

Received by OCD: 3/12/2026 1:05:05 PM

Client Information				Invoice Information				Lab Use Only				TAT				State					
Client: Matador				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX		
Project: Tiger 14 DCP TB				Address: 3122 National Parks Hwy				E203193		63003.000Z					X	X					
Project Manager: Ashley Gioveno				City, State, Zip: Carlsbad NM, 88220																	
Address: 3122 National Parks Hwy				Phone: 575-988-0055																	
City, State, Zip: Carlsbad NM, 88220				Email: agioveno@ensolum.com																	
Phone: 575-988-0055				Miscellaneous:																	
Email: agioveno@ensolum.com																					
Sample Information												Analysis and Method				EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	Compliance	Y	or	N
1410	3/20/25	soil	1	BH02-8'		11						X									
1530				↓ -10'		12						X									
1547				↓ -13'		13						X									
1100				BH03-0'		14						X									
1109				↓ -2'		15						X									
1116				BH04-0'		16						X									
1132				↓ -2'		17						X									
1259				↓ -3'		18						X									
1139				BH05-0'		19						X									
1154				-2'		20						X									
Additional Instructions: Please CC: cburton@ensolum.com, agioveno@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																					
Sampled by: <u>Israel Estrella</u>																					
Relinquished by: (Signature) <u>[Signature]</u>		Date <u>3/21/25</u>		Time <u>7:11</u>		Received by: (Signature) <u>Marissa Gonzalez</u>		Date <u>3-21-25</u>		Time <u>0711</u>		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>									
Relinquished by: (Signature) <u>Marissa Gonzalez</u>		Date <u>3-21-25</u>		Time <u>1600</u>		Received by: (Signature) <u>[Signature]</u>		Date <u>3.21.25</u>		Time <u>1630</u>											
Relinquished by: (Signature) <u>[Signature]</u>		Date <u>3.21.25</u>		Time <u>2230</u>		Received by: (Signature) <u>Carlin M...</u>		Date <u>3/21/25</u>		Time <u>800</u>											
Relinquished by: (Signature) _____		Date _____		Time _____		Received by: (Signature) _____		Date _____		Time _____											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____												Container type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____									
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					



Chain of Custody

Client Information				Invoice Information				Lab Use Only				TAT				State				
Client: Matador				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX	
Project: Tiger 14 DCP TB				Address: 3122 National Parks Hwy				E50393		23103-0002					X	X				
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agiovengo@ensolum.com																				
Sample Information										Analysis and Method				EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ.1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	Compliance	Y or N	
1309	3/20/25	soi	1	BH05-41		21						X								
1415	↓	↓	↓	↓ -6'		22						X								
												X								
												X								
												X								
												X								
												X								
												X								
												X								
												X								
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Israel Estrella																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Released to Imaging: 3/20/2026 3:08:17 PM



Envirotech Analytical Laboratory

Printed: 3/28/2025 2:07:15PM

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: 03/24/25 08:00 Work Order ID: E503193
Phone: (972) 371-5200 Date Logged In: 03/21/25 15:26 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 03/28/25 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

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

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for Client Instruction

Comments/Resolution

Visible whiteout present on COC.

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Tiger 14 CDP TB

Work Order: E504048

Job Number: 23003-0002

Received: 4/8/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/14/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 4/14/25



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

Project Name: Tiger 14 CDP TB
Workorder: E504048
Date Received: 4/8/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/8/2025 8:00:00AM, under the Project Name: Tiger 14 CDP TB.

The analytical test results summarized in this report with the Project Name: Tiger 14 CDP 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

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Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/14/25 08:31
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-12'	E504048-01A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
BH01-13'	E504048-02A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
SS01-0'	E504048-03A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
SS01-1'	E504048-04A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:31:39AM
---	---	---

BH01-12'
E504048-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515030
Benzene	ND	0.0250	1	04/08/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/09/25	
Toluene	ND	0.0250	1	04/08/25	04/09/25	
o-Xylene	ND	0.0250	1	04/08/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.5 %	70-130	04/08/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515030
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.3 %	70-130	04/08/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2515036
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/08/25	
<i>Surrogate: n-Nonane</i>						
		114 %	61-141	04/08/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2515029
Chloride	ND	200	10	04/08/25	04/08/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:31:39AM
---	---	---

SS01-0'

E504048-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2515030
Benzene	ND	0.0250	1	04/08/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/09/25	
Toluene	ND	0.0250	1	04/08/25	04/09/25	
o-Xylene	ND	0.0250	1	04/08/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.0 %	70-130	04/08/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2515030
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.2 %	70-130	04/08/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2515036
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/08/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	04/08/25	04/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2515029
Chloride	ND	100	5	04/08/25	04/08/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:31:39AM
---	---	---

SS01-1'

E504048-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2515030
Benzene	ND	0.0250	1	04/08/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/09/25	
Toluene	ND	0.0250	1	04/08/25	04/09/25	
o-Xylene	ND	0.0250	1	04/08/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.6 %	70-130	04/08/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2515030
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.6 %	70-130	04/08/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2515036
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/08/25	
<i>Surrogate: n-Nonane</i>		116 %	61-141	04/08/25	04/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2515029
Chloride	ND	200	10	04/08/25	04/08/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:31:39AM
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Volatile Organics by EPA 8021B

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
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Blank (2515030-BLK1)

Prepared: 04/08/25 Analyzed: 04/08/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.49		8.00		93.6	70-130			

LCS (2515030-BS1)

Prepared: 04/08/25 Analyzed: 04/08/25

Benzene	4.83	0.0250	5.00		96.5	70-130			
Ethylbenzene	4.85	0.0250	5.00		97.0	70-130			
Toluene	4.92	0.0250	5.00		98.5	70-130			
o-Xylene	4.82	0.0250	5.00		96.5	70-130			
p,m-Xylene	9.84	0.0500	10.0		98.4	70-130			
Total Xylenes	14.7	0.0250	15.0		97.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			

Matrix Spike (2515030-MS1)

Source: E504045-05

Prepared: 04/08/25 Analyzed: 04/08/25

Benzene	5.22	0.0250	5.00	ND	104	70-130			
Ethylbenzene	5.25	0.0250	5.00	ND	105	70-130			
Toluene	5.33	0.0250	5.00	ND	107	70-130			
o-Xylene	5.23	0.0250	5.00	ND	105	70-130			
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130			
Total Xylenes	15.9	0.0250	15.0	ND	106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.3	70-130			

Matrix Spike Dup (2515030-MSD1)

Source: E504045-05

Prepared: 04/08/25 Analyzed: 04/08/25

Benzene	5.10	0.0250	5.00	ND	102	70-130	2.37	27	
Ethylbenzene	5.17	0.0250	5.00	ND	103	70-130	1.42	26	
Toluene	5.23	0.0250	5.00	ND	105	70-130	1.88	20	
o-Xylene	5.15	0.0250	5.00	ND	103	70-130	1.41	25	
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130	1.35	23	
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130	1.37	26	
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.3	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:31:39AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2515030-BLK1)

Prepared: 04/08/25 Analyzed: 04/08/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00		88.1	70-130			

LCS (2515030-BS2)

Prepared: 04/08/25 Analyzed: 04/08/25

Gasoline Range Organics (C6-C10)	40.6	20.0	50.0		81.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

Matrix Spike (2515030-MS2)

Source: E504045-05

Prepared: 04/08/25 Analyzed: 04/08/25

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			

Matrix Spike Dup (2515030-MSD2)

Source: E504045-05

Prepared: 04/08/25 Analyzed: 04/08/25

Gasoline Range Organics (C6-C10)	42.7	20.0	50.0	ND	85.4	70-130	3.58	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.1	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:31:39AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2515036-BLK1)

Prepared: 04/08/25 Analyzed: 04/08/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.5		50.0		109	61-141			

LCS (2515036-BS1)

Prepared: 04/08/25 Analyzed: 04/08/25

Diesel Range Organics (C10-C28)	288	25.0	250		115	66-144			
Surrogate: n-Nonane	56.7		50.0		113	61-141			

Matrix Spike (2515036-MS1)

Source: E504045-04

Prepared: 04/08/25 Analyzed: 04/08/25

Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	56-156			
Surrogate: n-Nonane	59.2		50.0		118	61-141			

Matrix Spike Dup (2515036-MSD1)

Source: E504045-04

Prepared: 04/08/25 Analyzed: 04/08/25

Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	56-156	2.55	20	
Surrogate: n-Nonane	56.9		50.0		114	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:31:39AM
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Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2515029-BLK1)

Prepared: 04/08/25 Analyzed: 04/08/25

Chloride ND 20.0

LCS (2515029-BS1)

Prepared: 04/08/25 Analyzed: 04/08/25

Chloride 255 20.0 250 102 90-110

Matrix Spike (2515029-MS1)

Source: E504051-23

Prepared: 04/08/25 Analyzed: 04/08/25

Chloride 5170 40.0 250 4070 442 80-120 M4

Matrix Spike Dup (2515029-MSD1)

Source: E504051-23

Prepared: 04/08/25 Analyzed: 04/08/25

Chloride 4880 40.0 250 4070 322 80-120 5.94 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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/14/25 08:31
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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.



Chain of Custody

Released to Imaging: 3/20/2026 3:08:17 PM

Received by OCD: 3/12/2026 1:05:05 PM

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Tiger 14 CDP TB				Address: 3122 National Parks Hwy				E 504048		2303-002									
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA			
11:27	4/4/2025	S	1	BH01 - 12'		1						X								
11:34	4/4/2025	S	1	BH01 - 13'		2						X								

Do not run for BGDOC unless BH01 - 12' is >600 CI or 100 TPH

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, oaderinto@ensolum.com, bmoir@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Relinquished by: (Signature) <i>Oluwale Aderinto</i>						Date	Time	Received by: (Signature) <i>Uppokoffan Parker</i>						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
						4/7/25	08:15							Lab Use Only					
Relinquished by: (Signature) <i>[Signature]</i>						Date	Time	Received by: (Signature) <i>[Signature]</i>						Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N					
						4-7-25	1830							T1 _____ T2 _____ T3 _____					
Relinquished by: (Signature) <i>[Signature]</i>						Date	Time	Received by: (Signature) <i>Cathy Ma</i>						AVG Temp °C <u>4</u>					
						4.7.25	2400												
Relinquished by: (Signature) _____						Date	Time	Received by: (Signature) _____						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Chain of Custody

Released to Imaging: 3/20/2026 3:08:17 PM

Received by OCD: 3/12/2026 1:05:05 PM

Page 14 of 15

Page 150 of 500

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Tiger 14 CDP TB				Address: 3122 National Parks Hwy				E5064048		230080002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program			Remarks
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA				
9:38	4/4/2025	S	1	SS01 - 0'		3						X									
10:56	4/4/2025	S	1	SS01 - 1'		4						X									

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, oaderinto@ensolum.com, bmoir@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: <u>Oluwale Aderinto</u>										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>							
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time												
<u>Oluwale Aderinto</u>	<u>4/7/25</u>	<u>08:15</u>	<u>[Signature]</u>	<u>4/7/25</u>	<u>1040</u>												
<u>[Signature]</u>	<u>4-7-25</u>	<u>1830</u>	<u>[Signature]</u>	<u>4-7-25</u>	<u>1730</u>												
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time												
<u>[Signature]</u>	<u>4-7-25</u>	<u>2400</u>	<u>[Signature]</u>	<u>4-8-25</u>	<u>800</u>												
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time												

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 4/8/2025 8:52:20AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC.	Date Received: 04/08/25 08:00	Work Order ID: E504048
Phone: (972) 371-5200	Date Logged In: 04/07/25 14:11	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 04/14/25 17:00 (4 day TAT)	

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA4

Comments/Resolution

Client Remarks-Do not run for BGDOC unless BH01-12 is >600 CL or 100 TPH.

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Tiger 14 CDP TB

Work Order: E504060

Job Number: 23003-0002

Received: 4/9/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/14/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 4/14/25



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

Project Name: Tiger 14 CDP TB
Workorder: E504060
Date Received: 4/9/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/9/2025 8:00:00AM, under the Project Name: Tiger 14 CDP TB.

The analytical test results summarized in this report with the Project Name: Tiger 14 CDP 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/14/25 08:44
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS02-0'	E504060-01A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.
SS03-0'	E504060-02A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.
SS03-1'	E504060-03A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.
BH02-14'	E504060-04A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.
BH02-16'	E504060-05A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:44:33AM
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SS02-0'

E504060-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2515048
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		82.5 %	70-130	04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2515048
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.7 %	70-130	04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KH		Batch: 2515043
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/09/25	
<i>Surrogate: n-Nonane</i>		96.0 %	61-141	04/09/25	04/09/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2515042
Chloride	173	20.0	1	04/09/25	04/09/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:44:33AM
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SS03-0'

E504060-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2515048
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		81.3 %	70-130	04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2515048
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.0 %	70-130	04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2515043
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/09/25	
<i>Surrogate: n-Nonane</i>		96.9 %	61-141	04/09/25	04/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2515042
Chloride	ND	20.0	1	04/09/25	04/09/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:44:33AM
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SS03-1'

E504060-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2515048
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		82.3 %	70-130	04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2515048
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.6 %	70-130	04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2515043
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/09/25	
<i>Surrogate: n-Nonane</i>		96.4 %	61-141	04/09/25	04/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2515042
Chloride	234	100	5	04/09/25	04/09/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:44:33AM
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BH02-14'

E504060-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2515048
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		82.6 %	70-130	04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2515048
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.5 %	70-130	04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2515043
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/09/25	
<i>Surrogate: n-Nonane</i>		96.8 %	61-141	04/09/25	04/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2515042
Chloride	1690	100	5	04/09/25	04/09/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:44:33AM
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BH02-16'

E504060-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2515048
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		82.7 %	70-130	04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2515048
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.3 %	70-130	04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2515043
Diesel Range Organics (C10-C28)	51.7	25.0	1	04/09/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/09/25	
<i>Surrogate: n-Nonane</i>		97.1 %	61-141	04/09/25	04/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2515042
Chloride	449	40.0	2	04/09/25	04/09/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:44:33AM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2515048-BLK1)

Prepared: 04/09/25 Analyzed: 04/09/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.60		8.00		82.4	70-130			

LCS (2515048-BS1)

Prepared: 04/09/25 Analyzed: 04/09/25

Benzene	4.40	0.0250	5.00		88.1	70-130			
Ethylbenzene	4.60	0.0250	5.00		92.0	70-130			
Toluene	4.63	0.0250	5.00		92.5	70-130			
o-Xylene	4.60	0.0250	5.00		92.0	70-130			
p,m-Xylene	9.39	0.0500	10.0		93.9	70-130			
Total Xylenes	14.0	0.0250	15.0		93.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.55		8.00		81.8	70-130			

Matrix Spike (2515048-MS1)

Source: E504060-04

Prepared: 04/09/25 Analyzed: 04/09/25

Benzene	4.95	0.0250	5.00	ND	99.1	70-130			
Ethylbenzene	5.18	0.0250	5.00	ND	104	70-130			
Toluene	5.19	0.0250	5.00	ND	104	70-130			
o-Xylene	5.14	0.0250	5.00	ND	103	70-130			
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130			
Total Xylenes	15.7	0.0250	15.0	ND	104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.58		8.00		82.3	70-130			

Matrix Spike Dup (2515048-MSD1)

Source: E504060-04

Prepared: 04/09/25 Analyzed: 04/09/25

Benzene	4.87	0.0250	5.00	ND	97.5	70-130	1.65	27	
Ethylbenzene	5.13	0.0250	5.00	ND	103	70-130	1.10	26	
Toluene	5.13	0.0250	5.00	ND	103	70-130	1.16	20	
o-Xylene	5.08	0.0250	5.00	ND	102	70-130	1.06	25	
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130	0.978	23	
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130	1.01	26	
Surrogate: 4-Bromochlorobenzene-PID	6.52		8.00		81.6	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:44:33AM
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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
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Blank (2515048-BLK1)

Prepared: 04/09/25 Analyzed: 04/09/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.12		8.00		89.0	70-130			

LCS (2515048-BS2)

Prepared: 04/09/25 Analyzed: 04/09/25

Gasoline Range Organics (C6-C10)	43.3	20.0	50.0		86.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.7	70-130			

Matrix Spike (2515048-MS2)

Source: E504060-04

Prepared: 04/09/25 Analyzed: 04/09/25

Gasoline Range Organics (C6-C10)	42.6	20.0	50.0	ND	85.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			

Matrix Spike Dup (2515048-MSD2)

Source: E504060-04

Prepared: 04/09/25 Analyzed: 04/09/25

Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	ND	83.4	70-130	2.08	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:44:33AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2515043-BLK1)

Prepared: 04/09/25 Analyzed: 04/09/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.4		50.0		98.9	61-141			

LCS (2515043-BS1)

Prepared: 04/09/25 Analyzed: 04/09/25

Diesel Range Organics (C10-C28)	235	25.0	250		94.2	66-144			
Surrogate: <i>n</i> -Nonane	47.9		50.0		95.8	61-141			

Matrix Spike (2515043-MS1)

Source: E504057-01

Prepared: 04/09/25 Analyzed: 04/09/25

Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	56-156			
Surrogate: <i>n</i> -Nonane	50.2		50.0		100	61-141			

Matrix Spike Dup (2515043-MSD1)

Source: E504057-01

Prepared: 04/09/25 Analyzed: 04/09/25

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	56-156	4.82	20	
Surrogate: <i>n</i> -Nonane	49.8		50.0		99.5	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:44:33AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2515042-BLK1)

Prepared: 04/09/25 Analyzed: 04/09/25

Chloride ND 20.0

LCS (2515042-BS1)

Prepared: 04/09/25 Analyzed: 04/09/25

Chloride 253 20.0 250 101 90-110

Matrix Spike (2515042-MS1)

Source: E504057-01

Prepared: 04/09/25 Analyzed: 04/09/25

Chloride 442 20.0 250 182 104 80-120

Matrix Spike Dup (2515042-MSD1)

Source: E504057-01

Prepared: 04/09/25 Analyzed: 04/09/25

Chloride 444 20.0 250 182 105 80-120 0.486 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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/14/25 08:44
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Chain of Custody

Released to Imaging: 3/20/2026 3:08:17 PM

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Client Information				Invoice Information				Lab Use Only				TAT				State							
Client: Matador Production Company				Company: Ensolum LLC				Lab WO# E509060				Job Number 23003-002				1D 2D 3D Std				NM CO UT TX			
Project: Tiger 14 COP T3				Address: 3122 National Parks Hwy												x							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																			
Address: 3122 National Parks Hwy				Phone: 575-988-0055																			
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																			
Phone: 575-988-0055				Miscellaneous:																			
Email: agiovengo@ensolum.com																							

Sample Information										Analysis and Method										EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NIM	TCEQ.1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA			
0858	4/7/2025	Soil	1	SS02-0'				1						X								
0844	↓	↓	↓	↓ 03-0'				2						X								
0952	↓	↓	↓	↓ 03-1'				3						X								
1211	↓	↓	↓	BH02-14'				4						X								
1513	↓	↓	↓	BH02-16'				5						X								
								6 PM														

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, jhinkle@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jenna Hinkle						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature) Jenna Hinkle	Date 4-8-25	Time 1045	Received by: (Signature) Marissa Gonzales	Date 4-8-25	Time 1045	Lab Use Only Received on ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4					
Relinquished by: (Signature) Marissa Gonzales	Date 4-8-25	Time 1623	Received by: (Signature) Lohan J.	Date 4-8-25	Time 1630						
Relinquished by: (Signature) Lohan J.	Date 4-8-25	Time 2300	Received by: (Signature) Caitlin Man	Date 4-9-25	Time 800						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Page 166 of 500

Envirotech Analytical Laboratory

Printed: 4/9/2025 9:05:49AM

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: 04/09/25 08:00 Work Order ID: E504060
Phone: (972) 371-5200 Date Logged In: 04/08/25 14:45 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 04/15/25 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

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

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Tiger 14 CDP TB

Work Order: E505014

Job Number: 23003-0002

Received: 5/2/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/7/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 5/7/25

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

Project Name: Tiger 14 CDP TB
Workorder: E505014
Date Received: 5/2/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/2/2025 7:00:00AM, under the Project Name: Tiger 14 CDP TB.

The analytical test results summarized in this report with the Project Name: Tiger 14 CDP 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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Sample Summary

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name:

Tiger 14 CDP TB

Project Number:

23003-0002

Project Manager:

Ashley Giovengo

Reported:

05/07/25 12:44

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH06-0'	E505014-01A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
BH06-1'	E505014-02A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
BH06-2'	E505014-03A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
BH06-3'	E505014-04A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
BH07-0'	E505014-05A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
BH07-1'	E505014-06A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
BH07-2'	E505014-07A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
BH08-0'	E505014-08A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
BH08-1'	E505014-09A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
BH08-2'	E505014-10A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
BH08-3'	E505014-11A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
BH09-0'	E505014-12A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
BH09-1'	E505014-13A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
BH09-2'	E505014-14A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
BH10-0'	E505014-15A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
BH10-1'	E505014-16A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
BH10-2'	E505014-17A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
BH11-0'	E505014-18A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
BH11-1'	E505014-19A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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BH06-0'
E505014-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		86.7 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.3 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2518102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
		95.4 %	61-141	05/02/25	05/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518116
Chloride	502	100	5	05/02/25	05/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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BH06-1'

E505014-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.1 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.6 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2518102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/02/25	
<i>Surrogate: n-Nonane</i>		95.8 %	61-141	05/02/25	05/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2518116
Chloride	819	200	10	05/02/25	05/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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BH06-2'
E505014-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		85.6 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.5 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2518102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
		95.8 %	61-141	05/02/25	05/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518116
Chloride	ND	200	10	05/02/25	05/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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BH07-0'

E505014-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.5 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2518102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/02/25	
<i>Surrogate: n-Nonane</i>		95.8 %	61-141	05/02/25	05/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2518116
Chloride	1570	100	5	05/02/25	05/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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BH07-1'

E505014-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		85.5 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.9 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2518102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/02/25	
<i>Surrogate: n-Nonane</i>		98.1 %	61-141	05/02/25	05/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2518116
Chloride	258	200	10	05/02/25	05/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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BH08-0'
E505014-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		85.9 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.9 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2518102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
		96.8 %	61-141	05/02/25	05/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518116
Chloride	962	100	5	05/02/25	05/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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BH08-1'
E505014-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		85.1 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.1 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2518102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
		98.2 %	61-141	05/02/25	05/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518116
Chloride	927	200	10	05/02/25	05/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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BH08-2'
E505014-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		83.9 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.4 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2518102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/02/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	05/02/25	05/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2518116
Chloride	260	200	10	05/02/25	05/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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BH09-0'
E505014-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		83.8 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.5 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2518102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/02/25	
<i>Surrogate: n-Nonane</i>		94.3 %	61-141	05/02/25	05/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2518116
Chloride	705	40.0	2	05/02/25	05/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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BH09-1'
E505014-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		83.0 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.2 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2518102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
		97.8 %	61-141	05/02/25	05/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518116
Chloride	490	200	10	05/02/25	05/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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BH09-2'

E505014-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		81.7 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.8 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2518102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/02/25	
<i>Surrogate: n-Nonane</i>		97.3 %	61-141	05/02/25	05/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2518116
Chloride	70.6	40.0	2	05/02/25	05/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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BH10-0'
E505014-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		81.8 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.3 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2518102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
		97.3 %	61-141	05/02/25	05/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518116
Chloride	738	200	10	05/02/25	05/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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BH10-1'
E505014-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		82.2 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.3 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2518102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
		99.4 %	61-141	05/02/25	05/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518116
Chloride	416	200	10	05/02/25	05/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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BH10-2'
E505014-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		83.9 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.9 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2518102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
		96.5 %	61-141	05/02/25	05/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518116
Chloride	ND	200	10	05/02/25	05/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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BH11-0'
E505014-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		81.8 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.1 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2518102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/02/25	
<i>Surrogate: n-Nonane</i>		96.0 %	61-141	05/02/25	05/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2518116
Chloride	ND	100	5	05/02/25	05/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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BH11-1'
E505014-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		83.1 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518106
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.3 %	70-130	05/02/25	05/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2518102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
		97.1 %	61-141	05/02/25	05/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518116
Chloride	ND	200	10	05/02/25	05/03/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2518106-BLK1)

Prepared: 05/02/25 Analyzed: 05/03/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.21		8.00		90.1	70-130			

LCS (2518106-BS1)

Prepared: 05/02/25 Analyzed: 05/03/25

Benzene	5.33	0.0250	5.00		107	70-130			
Ethylbenzene	5.25	0.0250	5.00		105	70-130			
Toluene	5.30	0.0250	5.00		106	70-130			
o-Xylene	5.19	0.0250	5.00		104	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.8	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.5	70-130			

Matrix Spike (2518106-MS1)

Source: E505014-04

Prepared: 05/02/25 Analyzed: 05/03/25

Benzene	5.44	0.0250	5.00	ND	109	70-130			
Ethylbenzene	5.29	0.0250	5.00	ND	106	70-130			
Toluene	5.38	0.0250	5.00	ND	108	70-130			
o-Xylene	5.28	0.0250	5.00	ND	106	70-130			
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130			
Total Xylenes	15.9	0.0250	15.0	ND	106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.6	70-130			

Matrix Spike Dup (2518106-MSD1)

Source: E505014-04

Prepared: 05/02/25 Analyzed: 05/03/25

Benzene	5.32	0.0250	5.00	ND	106	70-130	2.17	27	
Ethylbenzene	5.21	0.0250	5.00	ND	104	70-130	1.59	26	
Toluene	5.27	0.0250	5.00	ND	105	70-130	2.08	20	
o-Xylene	5.17	0.0250	5.00	ND	103	70-130	2.13	25	
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130	1.32	23	
Total Xylenes	15.7	0.0250	15.0	ND	105	70-130	1.59	26	
Surrogate: 4-Bromochlorobenzene-PID	7.26		8.00		90.8	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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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
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Blank (2518106-BLK1)

Prepared: 05/02/25 Analyzed: 05/03/25

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

LCS (2518106-BS2)

Prepared: 05/02/25 Analyzed: 05/03/25

Gasoline Range Organics (C6-C10)	37.6	20.0	50.0		75.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			

Matrix Spike (2518106-MS2)

Source: E505014-04

Prepared: 05/02/25 Analyzed: 05/03/25

Gasoline Range Organics (C6-C10)	43.9	20.0	50.0	ND	87.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			

Matrix Spike Dup (2518106-MSD2)

Source: E505014-04

Prepared: 05/02/25 Analyzed: 05/03/25

Gasoline Range Organics (C6-C10)	41.0	20.0	50.0	ND	81.9	70-130	6.94	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		93.9	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2518102-BLK1)

Prepared: 05/02/25 Analyzed: 05/02/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	46.3		50.0		92.7	61-141			

LCS (2518102-BS1)

Prepared: 05/02/25 Analyzed: 05/02/25

Diesel Range Organics (C10-C28)	260	25.0	250		104	66-144			
Surrogate: <i>n</i> -Nonane	47.6		50.0		95.2	61-141			

Matrix Spike (2518102-MS1)

Source: E505014-10

Prepared: 05/02/25 Analyzed: 05/02/25

Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	56-156			
Surrogate: <i>n</i> -Nonane	49.5		50.0		99.0	61-141			

Matrix Spike Dup (2518102-MSD1)

Source: E505014-10

Prepared: 05/02/25 Analyzed: 05/02/25

Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	56-156	3.09	20	
Surrogate: <i>n</i> -Nonane	50.2		50.0		100	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/7/2025 12:44:55PM
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Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2518116-BLK1)

Prepared: 05/02/25 Analyzed: 05/02/25

Chloride	ND	20.0							
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LCS (2518116-BS1)

Prepared: 05/02/25 Analyzed: 05/02/25

Chloride	253	20.0	250		101	90-110			
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Matrix Spike (2518116-MS1)

Source: E505014-04

Prepared: 05/02/25 Analyzed: 05/02/25

Chloride	274	20.0	250	25.1	99.5	80-120			
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Matrix Spike Dup (2518116-MSD1)

Source: E505014-04

Prepared: 05/02/25 Analyzed: 05/02/25

Chloride	272	20.0	250	25.1	98.9	80-120	0.627	20	
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/07/25 12:44
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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: 3/20/2026 3:08:17 PM

Received by OCD: 3/12/2026 1:05:05 PM

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Page 194 of 300

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Tiger 14 CDP TB				Address: 3122 National Parks Hwy				E 505014		23003-0002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
0947	4/30/2025	S	1	BH06 - 0'			1								X					
0956	4/30/2025	S	1	BH06 - 1'			2								X					
0958	4/30/2025	S	1	BH06 - 2'			3								X					
1001	4/30/2025	S	1	BH06 - 3'			4								X					DO NOT RUN FOR BGDOC UNLESS BH06-2' IS >100 TPH OR 600 CL
1031	4/30/2025	S	1	BH07 - 0'			5								X					
1112	4/30/2025	S	1	BH07 - 1'			6								X					
1113	4/30/2025	S	1	BH07 - 2'			7								X					DO NOT RUN FOR BGDOC UNLESS BH07-1' IS >100 TPH OR 600 CL
1243	4/30/2025	S	1	BH08 - 0'			8								X					
1253	4/30/2025	S	1	BH08 - 1'			9								X					
1255	4/30/2025	S	1	BH08 - 2'			10								X					

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Higinio Gonzalez, Aboubakar Kone						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>[Signature]</i>	05-01-25		<i>Michelle Gonzalez</i>	5-1-25	1100	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Gonzalez</i>	5-1-25	1630	<i>[Signature]</i>	5-1-25	1630	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>[Signature]</i>	5-1-25	2315	<i>Keith Mar</i>	5-2-25	700	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Tiger 14 CDP TB				Address: 3122 National Parks Hwy				E505014		23003-0002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/JRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
1258	4/30/2025	S	1	BH08 - 3'		11								X						
1253	4/30/2025	S	1	BH09 - 0'		12								X						
1313	4/30/2025	S	1	BH09 - 1'		13								X						
1316	4/30/2025	S	1	BH09 - 2'		14								X						
1416	4/30/2025	S	1	BH10 - 0'		15								X						
1420	4/30/2025	S	1	BH10 - 1'		16								X						
1422	4/30/2025	S	1	BH10 - 2'		17								X						
1426	4/30/2025	S	1	BH11 - 0'		18								X						
1430	4/30/2025	S	1	BH11 - 1'		19								X						

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Higinio Gonzalez, Aboubakar Kone						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N					
<i>[Signature]</i>	05-01-25		<i>Michelle Gonzalez</i>	5-1-25	1100						
<i>Michelle Gonzalez</i>	5-1-25	1630	<i>[Signature]</i>	5-1-25	1630						
<i>[Signature]</i>	5-1-25	2315	<i>Caith Mon</i>	5-2-25	700						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 5/2/2025 9:01:51AM

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: 05/02/25 07:00	Work Order ID: E505014
Phone: (972) 371-5200	Date Logged In: 05/01/25 15:48	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 05/08/25 17:00 (4 day TAT)	

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Client remarks- Do not run BH06-3 unless BH06-2 is >100 TPH or 600 CL. Do not run BH07-2 if BH07-1 is > 100 TPH or 600 CL. Do not ru BH08-3 is BH08-2 is >100 TPH or 600 CL.

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Tiger 14 CDP TB

Work Order: E505024

Job Number: 23003-0002

Received: 5/5/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/9/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 5/9/25

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

Project Name: Tiger 14 CDP TB
Workorder: E505024
Date Received: 5/5/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/5/2025 7:45:00AM, under the Project Name: Tiger 14 CDP TB.

The analytical test results summarized in this report with the Project Name: Tiger 14 CDP 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name:

Tiger 14 CDP TB

Project Number:

23003-0002

Project Manager:

Ashley Giovengo

Reported:

05/09/25 08:33

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH12-0'	E505024-01A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH12-1'	E505024-02A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH13-0'	E505024-03A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH13-1'	E505024-04A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH13-2'	E505024-05A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH14-0'	E505024-06A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH14-1'	E505024-07A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH14-2'	E505024-08A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH15-0'	E505024-09A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH15-1'	E505024-10A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH15-2'	E505024-11A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH15-3'	E505024-12A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH16-0'	E505024-13A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH16-1'	E505024-14A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH16-2'	E505024-15A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH17-0'	E505024-16A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH17-1'	E505024-17A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH17-2'	E505024-18A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH18-0'	E505024-19A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH18-1'	E505024-20A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH18-2'	E505024-21A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH18-3'	E505024-22A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH20-0'	E505024-23A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH20-1'	E505024-24A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH20-2'	E505024-25A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BH20-3'	E505024-26A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
SS02-1'	E505024-27A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH12-0'
E505024-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2519011
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.4 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2519011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.9 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KH		Batch: 2519003
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/05/25	
<i>Surrogate: n-Nonane</i>		96.6 %	61-141	05/05/25	05/05/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS		Batch: 2519015
Chloride	ND	100	5	05/05/25	05/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH12-1'
E505024-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.9 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.2 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2519003
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/05/25	
<i>Surrogate: n-Nonane</i>		98.4 %	61-141	05/05/25	05/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2519015
Chloride	179	100	5	05/05/25	05/05/25	

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH13-0'
E505024-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.7 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.3 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519003
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/05/25	
<i>Surrogate: n-Nonane</i>						
		97.8 %	61-141	05/05/25	05/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519015
Chloride	136	20.0	1	05/05/25	05/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH13-1'
E505024-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.6 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.1 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519003
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/05/25	
<i>Surrogate: n-Nonane</i>						
		97.2 %	61-141	05/05/25	05/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519015
Chloride	117	40.0	2	05/05/25	05/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
---	---	--

BH14-0'
E505024-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.7 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.7 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519003
Diesel Range Organics (C10-C28)	120	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	248	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>						
		98.9 %	61-141	05/05/25	05/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519015
Chloride	1930	100	5	05/05/25	05/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH14-1'
E505024-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Benzene	ND	0.0250	1	05/05/25	05/05/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/05/25	
Toluene	ND	0.0250	1	05/05/25	05/05/25	
o-Xylene	ND	0.0250	1	05/05/25	05/05/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/05/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.2 %	70-130	05/05/25	05/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	05/05/25	05/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2519003
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>		98.1 %	61-141	05/05/25	05/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2519015
Chloride	415	100	5	05/05/25	05/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH15-0'
E505024-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.6 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.4 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519003
Diesel Range Organics (C10-C28)	3660	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	1800	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>						
		96.4 %	61-141	05/05/25	05/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519015
Chloride	11400	400	20	05/05/25	05/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH15-1'
E505024-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.1 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.9 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519003
Diesel Range Organics (C10-C28)	25.3	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	108	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>						
		98.9 %	61-141	05/05/25	05/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519015
Chloride	3620	200	10	05/05/25	05/05/25	

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH15-2'
E505024-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.1 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.2 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519003
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>						
		97.2 %	61-141	05/05/25	05/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519015
Chloride	1270	200	10	05/05/25	05/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH15-3'
E505024-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.7 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.3 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2519003
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>		97.0 %	61-141	05/05/25	05/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2519015
Chloride	323	100	5	05/05/25	05/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH16-0'
E505024-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.8 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.6 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519003
Diesel Range Organics (C10-C28)	76.3	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	365	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>						
		95.8 %	61-141	05/05/25	05/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519015
Chloride	1100	40.0	2	05/05/25	05/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH16-1'
E505024-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.9 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.9 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519003
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	52.1	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>						
		95.6 %	61-141	05/05/25	05/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519015
Chloride	1090	200	10	05/05/25	05/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH16-2'
E505024-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.5 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.9 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519003
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>						
		97.8 %	61-141	05/05/25	05/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519015
Chloride	136	20.0	1	05/05/25	05/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH17-0'
E505024-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		88.2 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.6 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519003
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>						
		95.0 %	61-141	05/05/25	05/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519015
Chloride	1950	100	5	05/05/25	05/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH17-1'
E505024-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.0 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.8 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519003
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>						
		99.2 %	61-141	05/05/25	05/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519015
Chloride	302	200	10	05/05/25	05/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH18-0'
E505024-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		87.8 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.6 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519003
Diesel Range Organics (C10-C28)	95.4	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	74.2	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>						
		96.9 %	61-141	05/05/25	05/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519015
Chloride	1750	200	10	05/05/25	05/05/25	

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH18-1'
E505024-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		86.5 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.2 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519003
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>						
		97.4 %	61-141	05/05/25	05/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519015
Chloride	617	200	10	05/05/25	05/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH18-2'
E505024-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2519010
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.4 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2519010
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2519004
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>		93.2 %	61-141	05/05/25	05/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2519016
Chloride	230	200	10	05/05/25	05/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH20-0'
E505024-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2519010
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.1 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2519010
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.2 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2519004
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>		96.1 %	61-141	05/05/25	05/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2519016
Chloride	1130	200	10	05/05/25	05/05/25	

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH20-1'
E505024-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519010
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.6 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519010
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.0 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519004
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>						
		94.4 %	61-141	05/05/25	05/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2519016
Chloride	1540	200	10	05/05/25	05/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH20-2'
E505024-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2519010
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.0 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2519010
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.1 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2519004
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>		94.0 %	61-141	05/05/25	05/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2519016
Chloride	986	200	10	05/05/25	05/05/25	

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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BH20-3'
E505024-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519010
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		88.8 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519010
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.5 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519004
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>						
		92.7 %	61-141	05/05/25	05/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2519016
Chloride	260	20.0	1	05/05/25	05/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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SS02-1'

E505024-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2519010
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.7 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2519010
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.8 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2519004
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>		97.5 %	61-141	05/05/25	05/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2519016
Chloride	155	100	5	05/05/25	05/05/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519010-BLK1)

Prepared: 05/05/25 Analyzed: 05/06/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.83		8.00		85.4	70-130			

LCS (2519010-BS1)

Prepared: 05/05/25 Analyzed: 05/06/25

Benzene	4.98	0.0250	5.00		99.6	70-130			
Ethylbenzene	4.95	0.0250	5.00		99.1	70-130			
Toluene	4.99	0.0250	5.00		99.8	70-130			
o-Xylene	4.91	0.0250	5.00		98.2	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	14.9	0.0250	15.0		99.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.01		8.00		87.6	70-130			

Matrix Spike (2519010-MS1)

Source: E505020-06

Prepared: 05/05/25 Analyzed: 05/06/25

Benzene	5.59	0.0250	5.00	ND	112	70-130			
Ethylbenzene	5.53	0.0250	5.00	ND	111	70-130			
Toluene	5.58	0.0250	5.00	ND	112	70-130			
o-Xylene	5.46	0.0250	5.00	ND	109	70-130			
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130			
Total Xylenes	16.6	0.0250	15.0	ND	111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.82		8.00		85.3	70-130			

Matrix Spike Dup (2519010-MSD1)

Source: E505020-06

Prepared: 05/05/25 Analyzed: 05/06/25

Benzene	5.15	0.0250	5.00	ND	103	70-130	8.34	27	
Ethylbenzene	5.10	0.0250	5.00	ND	102	70-130	8.08	26	
Toluene	5.14	0.0250	5.00	ND	103	70-130	8.25	20	
o-Xylene	5.06	0.0250	5.00	ND	101	70-130	7.57	25	
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130	7.89	23	
Total Xylenes	15.4	0.0250	15.0	ND	102	70-130	7.78	26	
Surrogate: 4-Bromochlorobenzene-PID	7.01		8.00		87.6	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519011-BLK1)

Prepared: 05/05/25 Analyzed: 05/05/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.5	70-130			

LCS (2519011-BS1)

Prepared: 05/05/25 Analyzed: 05/05/25

Benzene	5.06	0.0250	5.00		101	70-130			
Ethylbenzene	5.03	0.0250	5.00		101	70-130			
Toluene	5.06	0.0250	5.00		101	70-130			
o-Xylene	4.99	0.0250	5.00		99.8	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.23		8.00		90.3	70-130			

Matrix Spike (2519011-MS1)

Source: E505024-07

Prepared: 05/05/25 Analyzed: 05/06/25

Benzene	5.02	0.0250	5.00	ND	100	70-130			
Ethylbenzene	4.96	0.0250	5.00	ND	99.2	70-130			
Toluene	5.02	0.0250	5.00	ND	100	70-130			
o-Xylene	4.96	0.0250	5.00	ND	99.3	70-130			
p,m-Xylene	10.0	0.0500	10.0	ND	100	70-130			
Total Xylenes	15.0	0.0250	15.0	ND	100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.6	70-130			

Matrix Spike Dup (2519011-MSD1)

Source: E505024-07

Prepared: 05/05/25 Analyzed: 05/06/25

Benzene	5.46	0.0250	5.00	ND	109	70-130	8.48	27	
Ethylbenzene	5.40	0.0250	5.00	ND	108	70-130	8.53	26	
Toluene	5.45	0.0250	5.00	ND	109	70-130	8.31	20	
o-Xylene	5.38	0.0250	5.00	ND	108	70-130	8.05	25	
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130	8.22	23	
Total Xylenes	16.3	0.0250	15.0	ND	109	70-130	8.16	26	
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.8	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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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
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Blank (2519010-BLK1)

Prepared: 05/05/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.8	70-130			

LCS (2519010-BS2)

Prepared: 05/05/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			

Matrix Spike (2519010-MS2)

Source: E505020-06

Prepared: 05/05/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	94.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.2	70-130			

Matrix Spike Dup (2519010-MSD2)

Source: E505020-06

Prepared: 05/05/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	44.0	20.0	50.0	ND	88.0	70-130	6.65	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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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
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Blank (2519011-BLK1)

Prepared: 05/05/25 Analyzed: 05/05/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			

LCS (2519011-BS2)

Prepared: 05/05/25 Analyzed: 05/05/25

Gasoline Range Organics (C6-C10)	41.9	20.0	50.0		83.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			

Matrix Spike (2519011-MS2)

Source: E505024-07

Prepared: 05/05/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	42.5	20.0	50.0	ND	85.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.2	70-130			

Matrix Spike Dup (2519011-MSD2)

Source: E505024-07

Prepared: 05/05/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	ND	83.5	70-130	1.86	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519003-BLK1)

Prepared: 05/05/25 Analyzed: 05/05/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.3		50.0		96.6	61-141			

LCS (2519003-BS1)

Prepared: 05/05/25 Analyzed: 05/05/25

Diesel Range Organics (C10-C28)	254	25.0	250		102	66-144			
Surrogate: n-Nonane	47.5		50.0		95.1	61-141			

Matrix Spike (2519003-MS1)

Source: E505024-08

Prepared: 05/05/25 Analyzed: 05/05/25

Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	56-156			
Surrogate: n-Nonane	49.6		50.0		99.3	61-141			

Matrix Spike Dup (2519003-MSD1)

Source: E505024-08

Prepared: 05/05/25 Analyzed: 05/05/25

Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	56-156	3.55	20	
Surrogate: n-Nonane	49.5		50.0		99.1	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519004-BLK1)

Prepared: 05/05/25 Analyzed: 05/05/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	47.1		50.0		94.1	61-141			

LCS (2519004-BS1)

Prepared: 05/05/25 Analyzed: 05/05/25

Diesel Range Organics (C10-C28)	251	25.0	250		100	66-144			
Surrogate: <i>n</i> -Nonane	46.4		50.0		92.9	61-141			

Matrix Spike (2519004-MS1)

Source: E505022-02

Prepared: 05/05/25 Analyzed: 05/05/25

Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156			
Surrogate: <i>n</i> -Nonane	48.0		50.0		95.9	61-141			

Matrix Spike Dup (2519004-MSD1)

Source: E505022-02

Prepared: 05/05/25 Analyzed: 05/05/25

Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	56-156	0.409	20	
Surrogate: <i>n</i> -Nonane	48.6		50.0		97.1	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519015-BLK1)

Prepared: 05/05/25 Analyzed: 05/05/25

Chloride ND 20.0

LCS (2519015-BS1)

Prepared: 05/05/25 Analyzed: 05/05/25

Chloride 254 20.0 250 101 90-110

Matrix Spike (2519015-MS1)

Source: E505024-02

Prepared: 05/05/25 Analyzed: 05/05/25

Chloride 493 100 250 179 126 80-120 M2

Matrix Spike Dup (2519015-MSD1)

Source: E505024-02

Prepared: 05/05/25 Analyzed: 05/05/25

Chloride 466 100 250 179 115 80-120 5.56 20



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/9/2025 8:33:49AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519016-BLK1)

Prepared: 05/05/25 Analyzed: 05/05/25

Chloride ND 20.0

LCS (2519016-BS1)

Prepared: 05/05/25 Analyzed: 05/05/25

Chloride 261 20.0 250 104 90-110

Matrix Spike (2519016-MS1)

Source: E505024-25

Prepared: 05/05/25 Analyzed: 05/05/25

Chloride 1190 200 250 986 81.8 80-120

Matrix Spike Dup (2519016-MSD1)

Source: E505024-25

Prepared: 05/05/25 Analyzed: 05/05/25

Chloride 1120 200 250 986 53.5 80-120 6.10 20 M2

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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/09/25 08:33
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M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Tiger 14 CDP TB				Address: 3122 National Parks Hwy				E505024		23003002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCCQ 1005- TX	PCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
0858	05/01/2025	S	1	BH12 - 0'			1								X					
0910	05/01/2025	S	1	BH12 - 1'			2								X					
1030	05/01/2025	S	1	BH13 - 0'			3								X					
1043	05/01/2025	S	1	BH13 - 1'			4								X					
1046	05/01/2025	S	1	BH13 - 2'			5								X					DO NOT RUN FOR BGDOC UNLESS BH13-1' IS >100 TPH OR 600 CL
1030	05/01/2025	S	1	BH14 - 0'			6								X					
1042	05/01/2025	S	1	BH14 - 1'			7								X					
1044	05/01/2025	S	1	BH14 - 2'			8								X					DO NOT RUN FOR BGDOC UNLESS BH14-2' IS >100 TPH OR 600 CL
0856	05/01/2025	S	1	BH15 - 0'			9								X					
0923	05/01/2025	S	1	BH15 - 1'			10								X					

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Higinio Gonzalez, Aboubakar Kone						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N					
<i>[Signature]</i>	5-2-25		<i>Michelle Gonzalez</i>	5-2-25	0815						
<i>Michelle Gonzalez</i>	5-2-25	1745	<i>L.M.</i>	5-2-25	1745						
<i>L.M.</i>	5-2-25	2345	<i>Carth Mar</i>	5-2-25	745						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Tiger 14 CDP TB				Address: 3122 National Parks Hwy				E-505024		25063 0002					x	x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information							Analysis and Method										EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
0925	05/01/2025	S	1	BH15 - 2'		11								X					
0928	05/01/2025	S	1	BH15 - 3'		12								X					
1224	05/01/2025	S	1	BH16 - 0'		13								X					
1228	05/01/2025	S	1	BH16 - 1'		14								X					
1230	05/01/2025	S	1	BH16 - 2'		15								X					
1221	05/01/2025	S	1	BH17 - 0'		16								X					
1227	05/01/2025	S	1	BH17 - 1'		17								X					
1330	05/01/2025	S	1	BH17 - 2'		18								X					DO NOT RUN FOR BGDOC UNLESS BH17-1' IS >100 TPH OR 600 CL
1334	05/01/2025	S	1	BH18 - 0'		19								X					
1342	05/01/2025	S	1	BH18 - 1'		20								X					

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Higinio Gonzalez, Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.
<i>[Signature]</i>	5-2-25		<i>Michelle Gonzalez</i>	5-2-25	0815	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Gonzalez</i>	5-2-25	1745	<i>J.M.</i>	5-2-25	1745	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>J.M.</i>	5-2-25	2343	<i>Carla Ma</i>	5-5-25	745	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Lab Use Only
Received on ice:
 Y N

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Tiger 14 CDP TB				Address: 3122 National Parks Hwy				E505024		23003-002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information										Analysis and Method						EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCCQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1344	05/01/2025	S	1	BH18 - 2'		21								X					
1346	05/01/2025	S	1	BH18 - 3'		22								X					DO NOT RUN FOR BGDOC UNLESS BH18-2' IS >100 TPH OR 600 CL
1406	05/01/2025	S	1	BH20 - 0'		23								X					
1410	05/01/2025	S	1	BH20 - 1'		24								X					
1427	05/01/2025	S	1	BH20 - 2'		25								X					
1428	05/01/2025	S	1	BH20 - 3'		26								X					
1355	05/01/2025	S	1	SS02 - 1'		27								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Higinio Gonzalez, Aboubakar Kone																			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.													
<i>[Signature]</i>	5-2-25		<i>Michelle Gonzalez</i>	5-2-25	0815														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
<i>[Signature]</i>	5-2-25	1745	<i>[Signature]</i>	5-2-25	1745														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
<i>[Signature]</i>	5-2-25	2345	<i>Carl Mar</i>	5-5-25	945														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N													
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA													
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 5/5/2025 9:24:26AM

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: 05/05/25 07:45 Work Order ID: E505024
Phone: (972) 371-5200 Date Logged In: 05/02/25 15:40 Logged In By: Noe Soto
Email: agiovengo@ensolum.com Due Date: 05/09/25 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

Client remarks specify to not run samples BH-13-2 IF BH13-1 is >100 TPH OR 600 CL. Same remarks for samples BH14-2, BH17-2, BH18-3 with results on previous samples.

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Tiger 14 CDP TB

Work Order: E505051

Job Number: 23003-0002

Received: 5/6/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/12/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 5/12/25

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



Project Name: Tiger 14 CDP TB
Workorder: E505051
Date Received: 5/6/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/6/2025 8:00:00AM, under the Project Name: Tiger 14 CDP TB.

The analytical test results summarized in this report with the Project Name: Tiger 14 CDP 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/12/25 11:02
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH19-0'	E505051-01A	Soil	05/02/25	05/06/25	Glass Jar, 2 oz.
BH19-1'	E505051-02A	Soil	05/02/25	05/06/25	Glass Jar, 2 oz.
BH19-2'	E505051-03A	Soil	05/02/25	05/06/25	Glass Jar, 2 oz.
BH19-3'	E505051-04A	Soil	05/02/25	05/06/25	Glass Jar, 2 oz.
BH19-4'	E505051-05A	Soil	05/02/25	05/06/25	Glass Jar, 2 oz.
BH19-5'	E505051-06A	Soil	05/02/25	05/06/25	Glass Jar, 2 oz.
BH19-6'	E505051-07A	Soil	05/02/25	05/06/25	Glass Jar, 2 oz.
BH19-7'	E505051-08A	Soil	05/02/25	05/06/25	Glass Jar, 2 oz.
BH19-8'	E505051-09A	Soil	05/02/25	05/06/25	Glass Jar, 2 oz.
BH19-9'	E505051-10A	Soil	05/02/25	05/06/25	Glass Jar, 2 oz.
BH19-10'	E505051-11A	Soil	05/02/25	05/06/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/12/2025 11:02:23AM
---	---	--

BH19-0'
E505051-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Benzene	ND	0.0250	1	05/06/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/06/25	05/07/25	
Toluene	ND	0.0250	1	05/06/25	05/07/25	
o-Xylene	ND	0.0250	1	05/06/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/06/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/06/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		88.4 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/06/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.8 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2519052
Diesel Range Organics (C10-C28)	94.8	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	206	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>						
		96.0 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2519078
Chloride	124	20.0	1	05/07/25	05/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/12/2025 11:02:23AM
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BH19-1'
E505051-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Benzene	ND	0.0250	1	05/06/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/06/25	05/07/25	
Toluene	ND	0.0250	1	05/06/25	05/07/25	
o-Xylene	ND	0.0250	1	05/06/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/06/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/06/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.9 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/06/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.9 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519052
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>						
		97.0 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519078
Chloride	483	100	5	05/07/25	05/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/12/2025 11:02:23AM
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BH19-2'
E505051-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Benzene	ND	0.0250	1	05/06/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/06/25	05/07/25	
Toluene	ND	0.0250	1	05/06/25	05/07/25	
o-Xylene	ND	0.0250	1	05/06/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/06/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/06/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.1 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/06/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.7 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519052
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519078
Chloride	1420	200	10	05/07/25	05/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/12/2025 11:02:23AM
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BH19-3'
E505051-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Benzene	ND	0.0250	1	05/06/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/06/25	05/07/25	
Toluene	ND	0.0250	1	05/06/25	05/07/25	
o-Xylene	ND	0.0250	1	05/06/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/06/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/06/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.6 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/06/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2519052
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>		98.5 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2519078
Chloride	659	200	10	05/07/25	05/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/12/2025 11:02:23AM
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BH19-4'
E505051-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Benzene	ND	0.0250	1	05/06/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/06/25	05/07/25	
Toluene	ND	0.0250	1	05/06/25	05/07/25	
o-Xylene	ND	0.0250	1	05/06/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/06/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/06/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.9 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/06/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.3 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519052
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>						
		97.4 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519078
Chloride	1060	200	10	05/07/25	05/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/12/2025 11:02:23AM
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BH19-5'
E505051-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Benzene	ND	0.0250	1	05/06/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/06/25	05/07/25	
Toluene	ND	0.0250	1	05/06/25	05/07/25	
o-Xylene	ND	0.0250	1	05/06/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/06/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/06/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.2 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/06/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.9 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2519052
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>		94.9 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2519078
Chloride	1790	200	10	05/07/25	05/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/12/2025 11:02:23AM
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BH19-6'
E505051-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Benzene	ND	0.0250	1	05/06/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/06/25	05/07/25	
Toluene	ND	0.0250	1	05/06/25	05/07/25	
o-Xylene	ND	0.0250	1	05/06/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/06/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/06/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.7 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/06/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.6 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519052
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>						
		99.1 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519078
Chloride	1520	200	10	05/07/25	05/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/12/2025 11:02:23AM
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BH19-7'

E505051-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Benzene	ND	0.0250	1	05/06/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/06/25	05/07/25	
Toluene	ND	0.0250	1	05/06/25	05/07/25	
o-Xylene	ND	0.0250	1	05/06/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/06/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/06/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.2 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/06/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.7 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519052
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>						
		98.3 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519078
Chloride	1640	200	10	05/07/25	05/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/12/2025 11:02:23AM
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BH19-8'
E505051-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Benzene	ND	0.0250	1	05/06/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/06/25	05/07/25	
Toluene	ND	0.0250	1	05/06/25	05/07/25	
o-Xylene	ND	0.0250	1	05/06/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/06/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/06/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.0 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/06/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.9 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519052
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/09/25	
<i>Surrogate: n-Nonane</i>						
		98.2 %	61-141	05/06/25	05/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519078
Chloride	1250	200	10	05/07/25	05/08/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/12/2025 11:02:23AM
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BH19-9'
E505051-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Benzene	ND	0.0250	1	05/06/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/06/25	05/07/25	
Toluene	ND	0.0250	1	05/06/25	05/07/25	
o-Xylene	ND	0.0250	1	05/06/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/06/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/06/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		87.8 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/06/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.6 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519052
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/09/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	05/06/25	05/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519078
Chloride	1300	200	10	05/07/25	05/08/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/12/2025 11:02:23AM
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BH19-10'

E505051-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Benzene	ND	0.0250	1	05/06/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/06/25	05/07/25	
Toluene	ND	0.0250	1	05/06/25	05/07/25	
o-Xylene	ND	0.0250	1	05/06/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/06/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/06/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.9 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/06/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.6 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2519052
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/09/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	05/06/25	05/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2519078
Chloride	1800	200	10	05/07/25	05/08/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/12/2025 11:02:23AM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519033-BLK1)

Prepared: 05/06/25 Analyzed: 05/06/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.06		8.00		88.3	70-130			

LCS (2519033-BS1)

Prepared: 05/06/25 Analyzed: 05/06/25

Benzene	5.23	0.0250	5.00		105	70-130			
Ethylbenzene	5.24	0.0250	5.00		105	70-130			
Toluene	5.27	0.0250	5.00		105	70-130			
o-Xylene	5.23	0.0250	5.00		105	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.8	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.18		8.00		89.7	70-130			

Matrix Spike (2519033-MS1)

Source: E505051-01

Prepared: 05/06/25 Analyzed: 05/07/25

Benzene	5.43	0.0250	5.00	ND	109	70-130			
Ethylbenzene	5.43	0.0250	5.00	ND	109	70-130			
Toluene	5.46	0.0250	5.00	ND	109	70-130			
o-Xylene	5.39	0.0250	5.00	ND	108	70-130			
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130			
Total Xylenes	16.3	0.0250	15.0	ND	109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.20		8.00		90.0	70-130			

Matrix Spike Dup (2519033-MSD1)

Source: E505051-01

Prepared: 05/06/25 Analyzed: 05/07/25

Benzene	4.99	0.0250	5.00	ND	99.7	70-130	8.55	27	
Ethylbenzene	5.00	0.0250	5.00	ND	100	70-130	8.24	26	
Toluene	5.01	0.0250	5.00	ND	100	70-130	8.63	20	
o-Xylene	4.94	0.0250	5.00	ND	98.9	70-130	8.59	25	
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130	8.06	23	
Total Xylenes	15.1	0.0250	15.0	ND	100	70-130	8.23	26	
Surrogate: 4-Bromochlorobenzene-PID	7.15		8.00		89.4	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/12/2025 11:02:23AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2519033-BLK1)

Prepared: 05/06/25 Analyzed: 05/06/25

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

LCS (2519033-BS2)

Prepared: 05/06/25 Analyzed: 05/07/25

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.7	70-130			

Matrix Spike (2519033-MS2)

Source: E505051-01

Prepared: 05/06/25 Analyzed: 05/07/25

Gasoline Range Organics (C6-C10)	44.1	20.0	50.0	ND	88.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			

Matrix Spike Dup (2519033-MSD2)

Source: E505051-01

Prepared: 05/06/25 Analyzed: 05/07/25

Gasoline Range Organics (C6-C10)	38.6	20.0	50.0	ND	77.2	70-130	13.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/12/2025 11:02:23AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519052-BLK1)

Prepared: 05/06/25 Analyzed: 05/08/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.9		50.0		99.8	61-141			

LCS (2519052-BS1)

Prepared: 05/06/25 Analyzed: 05/08/25

Diesel Range Organics (C10-C28)	261	25.0	250		104	66-144			
Surrogate: <i>n</i> -Nonane	48.2		50.0		96.5	61-141			

Matrix Spike (2519052-MS1)

Source: E505051-04

Prepared: 05/06/25 Analyzed: 05/08/25

Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	56-156			
Surrogate: <i>n</i> -Nonane	50.6		50.0		101	61-141			

Matrix Spike Dup (2519052-MSD1)

Source: E505051-04

Prepared: 05/06/25 Analyzed: 05/08/25

Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	56-156	0.182	20	
Surrogate: <i>n</i> -Nonane	50.2		50.0		100	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/12/2025 11:02:23AM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519078-BLK1)

Prepared: 05/07/25 Analyzed: 05/07/25

Chloride	ND	20.0							
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LCS (2519078-BS1)

Prepared: 05/07/25 Analyzed: 05/07/25

Chloride	257	20.0	250		103	90-110			
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Matrix Spike (2519078-MS1)

Source: E505051-02

Prepared: 05/07/25 Analyzed: 05/07/25

Chloride	761	100	250	483	112	80-120			
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Matrix Spike Dup (2519078-MSD1)

Source: E505051-02

Prepared: 05/07/25 Analyzed: 05/07/25

Chloride	759	100	250	483	111	80-120	0.268	20	
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/12/25 11:02
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Chain of Custody

Client Information		Invoice Information		Lab Use Only		TAT		State								
Client: Matador Production Project Name: Tiger 14 CDP TB Project Manager: Ashley Giovengo Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com		Company: Ensolum LLC Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Miscellaneous:		Lab WO# <u>ES05051</u> Job Number <u>25003-002</u>		ID <input type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Std <input type="checkbox"/> X		NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> TX <input type="checkbox"/> X								
Sample Information																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Field Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BT/EX by 8021	VOC by 8260	Chloride 300.0	BG/OC - NM1	TCEQ 1005 - TX	RCRA 8 Metals	Remarks	
9:20	5/2/2025	S	1	BH19-0'		1									X	4.4
9:32	5/2/2025	S	1	BH19-1'		2									X	4.3
9:32	5/2/2025	S	1	BH19-2'		3									X	3.5
9:34	5/2/2025	S	1	BH19-3'		4									X	3.1
9:36	5/2/2025	S	1	BH19-4'		5									X	3.6
10:01	5/2/2025	S	1	BH19-5'		6									X	3.6
10:12	5/2/2025	S	1	BH19-6'		7									X	2.9
10:16	5/2/2025	S	1	BH19-7'		8									X	3.4
10:20	5/2/2025	S	1	BH19-8'		9									X	2.8
12:04	5/2/2025	S	1	BH19-9'		10									X	2.7
Additional Instructions:																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																
Sampled by: AK, HG																
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days																
Lab Use Only <input checked="" type="checkbox"/> / N <input type="checkbox"/>																
Received on ice: <input checked="" type="checkbox"/> / N <input type="checkbox"/>																
T1 _____ T2 _____ T3 _____																
AVG Temp °C _____																
Container Type: <input type="checkbox"/> G - glass, <input type="checkbox"/> P - poly/plastic, <input type="checkbox"/> AG - amber glass, <input type="checkbox"/> V - VOA																
Sample Matrix: <input type="checkbox"/> S - Soil, <input type="checkbox"/> SD - Solid, <input type="checkbox"/> Sd - Sludge, <input type="checkbox"/> A - Aqueous, <input type="checkbox"/> O - Other																
Date Time Received by: (Signature) _____ Date Time Received by: (Signature) _____ Date Time Received by: (Signature) _____ Date Time Received by: (Signature) _____ Date Time Received by: (Signature) _____																
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

Chain of Custody

Released to Imaging: 3/20/2026 3:08:17 PM

Page 22 of 23

Page 259 of 500

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Project Name: Tiger 14 CDP TB Project Manager: Ashley Giovengo Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com				Company: Ensolum LLC Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Miscellaneous:				Lab WO# E 505051		Job Number 23003-002		1D	2D	3D	Std	NM	CO	UT	TX
												x	x						

Sample Information										Analysis and Method								EPA Program			Remarks
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA				
12:11	5/2/2025	S	1	BH19-10'		11						X						3.0			
												X									
												X									
												X									
												X									
												X									
												X									
												X									
												X									

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: AK, HG

Relinquished by: (Signature) <i>[Signature]</i>	Date 5/5/25	Time 7:11	Received by: (Signature) <i>Michelle Gonzales</i>	Date 5-5-25	Time 0711	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 5-5-25	Time 1430	Received by: (Signature) <i>Marissa Gonzales</i>	Date 5-5-25	Time 1430	
Relinquished by: (Signature) <i>Marissa Gonzales</i>	Date 5-5-25	Time 1610	Received by: (Signature) <i>[Signature]</i>	Date 5-5-25	Time 1610	
Relinquished by: (Signature) <i>[Signature]</i>	Date 5-5-25	Time 2230	Received by: (Signature) <i>Caitlin Man</i>	Date 5-5-25	Time 800	

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 5/6/2025 9:10:09AM

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: 05/06/25 08:00 Work Order ID: E505051
Phone: (972) 371-5200 Date Logged In: 05/05/25 16:52 Logged In By: Noe Soto
Email: agiovengo@ensolum.com Due Date: 05/12/25 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Tiger 14 CDP

Work Order: E505150

Job Number: 23003-0002

Received: 5/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/19/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 5/19/25

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

Project Name: Tiger 14 CDP
Workorder: E505150
Date Received: 5/14/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/14/2025 7:00:00AM, under the Project Name: Tiger 14 CDP.

The analytical test results summarized in this report with the Project Name: Tiger 14 CDP apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/19/25 12:03
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH19-12'	E505150-01A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
BH19-14'	E505150-02A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
BH19-16'	E505150-03A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/19/2025 12:03:08PM
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BH19-12'
E505150-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2520065
Benzene	ND	0.0250	1	05/14/25	05/14/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/14/25	
Toluene	ND	0.0250	1	05/14/25	05/14/25	
o-Xylene	ND	0.0250	1	05/14/25	05/14/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/14/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/14/25	
<i>Surrogate: Bromofluorobenzene</i>						
		102 %	70-130	05/14/25	05/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		98.9 %	70-130	05/14/25	05/14/25	
<i>Surrogate: Toluene-d8</i>						
		99.6 %	70-130	05/14/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2520065
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/14/25	
<i>Surrogate: Bromofluorobenzene</i>						
		102 %	70-130	05/14/25	05/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		98.9 %	70-130	05/14/25	05/14/25	
<i>Surrogate: Toluene-d8</i>						
		99.6 %	70-130	05/14/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2520088
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/16/25	
<i>Surrogate: n-Nonane</i>						
		118 %	61-141	05/15/25	05/16/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2520104
Chloride	1340	100	5	05/15/25	05/16/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/19/2025 12:03:08PM
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BH19-14'

E505150-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: RKS		Batch: 2520065
Benzene	ND	0.0250	1	05/14/25	05/14/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/14/25	
Toluene	ND	0.0250	1	05/14/25	05/14/25	
o-Xylene	0.0280	0.0250	1	05/14/25	05/14/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/14/25	
Total Xylenes	0.0280	0.0250	1	05/14/25	05/14/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	05/14/25	05/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	05/14/25	05/14/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	05/14/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RKS		Batch: 2520065
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/14/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	05/14/25	05/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	05/14/25	05/14/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	05/14/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: HM		Batch: 2520088
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/16/25	
<i>Surrogate: n-Nonane</i>		119 %	61-141	05/15/25	05/16/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: IY		Batch: 2520104
Chloride	1550	100	5	05/15/25	05/16/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/19/2025 12:03:08PM
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BH19-16'
E505150-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2520065
Benzene	ND	0.0250	1	05/14/25	05/14/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/14/25	
Toluene	ND	0.0250	1	05/14/25	05/14/25	
o-Xylene	ND	0.0250	1	05/14/25	05/14/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/14/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/14/25	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	05/14/25	05/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.2 %	70-130	05/14/25	05/14/25	
<i>Surrogate: Toluene-d8</i>		99.4 %	70-130	05/14/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2520065
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/14/25	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	05/14/25	05/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.2 %	70-130	05/14/25	05/14/25	
<i>Surrogate: Toluene-d8</i>		99.4 %	70-130	05/14/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2520088
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/16/25	
<i>Surrogate: n-Nonane</i>		119 %	61-141	05/15/25	05/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2520104
Chloride	1730	40.0	2	05/15/25	05/16/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/19/2025 12:03:08PM
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Volatile Organic Compounds by EPA 8260B

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
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Blank (2520065-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.499		0.500		99.7		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4		70-130		
Surrogate: Toluene-d8	0.511		0.500		102		70-130		

LCS (2520065-BS1)

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

Benzene	2.35	0.0250	2.50		94.0		70-130		
Ethylbenzene	2.28	0.0250	2.50		91.2		70-130		
Toluene	2.33	0.0250	2.50		93.1		70-130		
o-Xylene	2.30	0.0250	2.50		92.0		70-130		
p,m-Xylene	4.60	0.0500	5.00		92.0		70-130		
Total Xylenes	6.90	0.0250	7.50		92.0		70-130		
Surrogate: Bromofluorobenzene	0.502		0.500		100		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102		70-130		
Surrogate: Toluene-d8	0.498		0.500		99.5		70-130		

Matrix Spike (2520065-MS1)

Source: E505151-04

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

Benzene	2.32	0.0250	2.50	ND	92.8		48-131		
Ethylbenzene	2.43	0.0250	2.50	ND	97.3		45-135		
Toluene	2.34	0.0250	2.50	ND	93.4		48-130		
o-Xylene	2.45	0.0250	2.50	ND	98.1		43-135		
p,m-Xylene	4.91	0.0500	5.00	ND	98.3		43-135		
Total Xylenes	7.37	0.0250	7.50	ND	98.2		43-135		
Surrogate: Bromofluorobenzene	0.508		0.500		102		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102		70-130		
Surrogate: Toluene-d8	0.505		0.500		101		70-130		

Matrix Spike Dup (2520065-MSD1)

Source: E505151-04

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

Benzene	2.41	0.0250	2.50	ND	96.2		48-131	3.55	23
Ethylbenzene	2.46	0.0250	2.50	ND	98.5		45-135	1.20	27
Toluene	2.37	0.0250	2.50	ND	94.8		48-130	1.51	24
o-Xylene	2.45	0.0250	2.50	ND	98.0		43-135	0.102	27
p,m-Xylene	4.90	0.0500	5.00	ND	97.9		43-135	0.326	27
Total Xylenes	7.35	0.0250	7.50	ND	98.0		43-135	0.251	27
Surrogate: Bromofluorobenzene	0.502		0.500		100		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101		70-130		
Surrogate: Toluene-d8	0.494		0.500		98.7		70-130		



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/19/2025 12:03:08PM
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Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2520065-BLK1)

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

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

LCS (2520065-BS2)

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

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

Matrix Spike (2520065-MS2)

Source: E505151-04

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

Gasoline Range Organics (C6-C10)	49.9	20.0	50.0	ND	99.8	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			

Matrix Spike Dup (2520065-MSD2)

Source: E505151-04

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

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0	ND	102	70-130	1.96	20	
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.516		0.500		103	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/19/2025 12:03:08PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2520088-BLK1)

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

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.6		50.0		113	61-141			

LCS (2520088-BS1)

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

Diesel Range Organics (C10-C28)	287	25.0	250		115	66-144			
Surrogate: n-Nonane	55.6		50.0		111	61-141			

Matrix Spike (2520088-MS1)

Source: E505151-02

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

Diesel Range Organics (C10-C28)	296	25.0	250	ND	118	56-156			
Surrogate: n-Nonane	55.7		50.0		111	61-141			

Matrix Spike Dup (2520088-MSD1)

Source: E505151-02

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

Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	56-156	0.261	20	
Surrogate: n-Nonane	55.6		50.0		111	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/19/2025 12:03:08PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2520104-BLK1)

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

Chloride	ND	20.0							
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LCS (2520104-BS1)

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

Chloride	256	20.0	250		102	90-110			
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Matrix Spike (2520104-MS1)

Source: E505142-04

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

Chloride	272	20.0	250	ND	109	80-120			
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Matrix Spike Dup (2520104-MSD1)

Source: E505142-04

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

Chloride	272	20.0	250	ND	109	80-120	0.0661	20	
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tiger 14 CDP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/19/25 12:03
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: <i>Tig-1460P</i>				Address: 3122 National Parks Hwy				<i>ES05150</i>		<i>2303:0062</i>					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: <i>agiovengo@ensolum.com</i>															
Phone: 575-988-0055				Miscellaneous:															
Email: <i>agiovengo@ensolum.com</i>																			
Sample Information										Analysis and Method						EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
<i>1601</i>	<i>5/12/25</i>	<i>Soil</i>	<i>1</i>	<i>BH 19-12'</i>		<i>1</i>								<i>+</i>					
<i>1707</i>	<i>5/12/25</i>	<i>Soil</i>	<i>1</i>	<i>19-14'</i>		<i>2</i>								<i>+</i>					
<i>1838</i>	<i>5/12/25</i>	<i>Soil</i>	<i>1</i>	<i>19-16'</i>		<i>3</i>								<i>+</i>					
Additional Instructions: Please CC: <i>cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, rrai@ensolum.com, oaderinto@ensolum.com</i>																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: <i>Jenna Hinkle</i>																			
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N							
<i>Jenna Hinkle</i>				<i>5-13-25</i>	<i>1600</i>	<i>Michelle Gonzales</i>				<i>5-13-25</i>	<i>0711</i>								
<i>Michelle Gonzales</i>				<i>5-13-25</i>	<i>1600</i>	<i>Richard M.</i>				<i>5-13-25</i>	<i>1630</i>								
<i>Richard M.</i>				<i>5-13-25</i>	<i>2215</i>	<i>Caitlin Mann</i>				<i>5-14-25</i>	<i>700</i>								
<i>Caitlin Mann</i>																			
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time								
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other				Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 5/14/2025 8:58:26AM

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: 05/14/25 07:00 Work Order ID: E505150
Phone: (972) 371-5200 Date Logged In: 05/13/25 14:50 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 05/20/25 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.



APPENDIX F

NMOCD Correspondence

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 435379

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 435379
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Tiger 14 CDP TB
Date Release Discovered	02/25/2025
Surface Owner	Private

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Human Error Valve Crude Oil Released: 47 BBL Recovered: 30 BBL Lost: 17 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 435379

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 435379
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response

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

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

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

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

General Information
Phone: (505) 629-6116

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

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

ACKNOWLEDGMENTS

Action 435379

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 435379
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 435379

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 435379
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	2/26/2025

Pooled Fluids within Containment										
	Length (ft.)	Width (ft.)	Depth (in)	# of Boundaries <i>*edges of pool where depth is 0. don't count shared boundaries</i>	Oil-Water Ratio (%)	Pooled Area (ft ²)	Estimated Average Depth (ft.)	Pooled Volume (bbl.)	Volume of Oil in Subsurface (bbl.)	Volume of Water in Subsurface (bbl.)
Rectangle A	83.0	36.0	2.7	4.0	0.01	2988.0	0.1	29.9	0.30	29.62
Rectangle B						0.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle C						0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle D						0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle E						0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Total Volume (bbls):								29.92	0.30	29.62

Subsurface Fluids Beneath Containment										
	Length (ft.)	Width (ft.)	Depth (in.)	Saturation (%) <i>*10% in consolidated sediments after rain to 50% in sand with no precipitation</i>	Oil-Water Ratio (%)	Area (ft ²)	Volume (bbl.)	Estimated Volume in Subsurface (bbl.)	Volume of Oil in Subsurface (bbl.)	Volume of Water in Subsurface (bbl.)
Rectangle A	83.0	36.0	4.5	0.1	0.01	2988.0	199.4	16.0	0.16	15.8
Rectangle B						0.0	0.0	0.0	0.00	0.0
Rectangle C						0.0	0.0	0.0	0.00	0.0
Rectangle D						0.0	0.0	0.0	0.00	0.0
Rectangle E						0.0	0.0	0.0	0.00	0.0
Rectangle F						0.0	0.0	0.0	0.00	0.0
Rectangle G						0.0	0.0	0.0	0.00	0.0
Rectangle H						0.0	0.0	0.0	0.00	0.0
Rectangle I						0.0	0.0	0.0	0.00	0.0
Rectangle J						0.0	0.0	0.0	0.00	0.0
Total Volume (bbls):								15.96	0.16	15.80

TOTAL RELEASE VOLUME (bbls): 45.9

Impacted Soil On-Pad	
Saturated Soil (inches)	
	4.5
Area (sq. ft.)	
	67
Standing fluids	
inches of standing fluid	
	0
bbl estimate of standing fluids	
barrels recovered (if known)	
Soil type	
pad caliche	
Spill type	
produced water	
Barrel estimate in soil	
	0.9
Barrel estimate (standing fluids/ recovered+in soil)	
	0.9

need to populate or select

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

QUESTIONS

Action 436098

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 436098
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2505726681
Incident Name	NAPP2505726681 TIGER 14 CDP TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Tiger 14 CDP TB
Date Release Discovered	02/25/2025
Surface Owner	Private

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Human Error Valve Crude Oil Released: 47 BBL Recovered: 30 BBL Lost: 17 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 436098

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 436098
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 02/27/2025
--	--

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Energy, Minerals and Natural Resources
Oil Conservation Division
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QUESTIONS, Page 3

Action 436098

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 436098
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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State of New Mexico
Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
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CONDITIONS

Action 436098

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 436098
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	2/27/2025

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

QUESTIONS

Action 437892

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 437892
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2505726681
Incident Name	NAPP2505726681 TIGER 14 CDP TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Tiger 14 CDP TB
Date Release Discovered	02/25/2025
Surface Owner	Private

Liner Inspection Event Information	
<i>Please answer all the questions in this group.</i>	
What is the liner inspection surface area in square feet	3,002
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	03/06/2025
Time liner inspection will commence	09:00 AM
Please provide any information necessary for observers to liner inspection	Tank containment
Please provide any information necessary for navigation to liner inspection site	32.21114,-104.05146

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

CONDITIONS

Action 437892

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 437892
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	2/28/2025

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

QUESTIONS

Action 443344

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 443344
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2505726681
Incident Name	NAPP2505726681 TIGER 14 CDP TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Tiger 14 CDP TB
Date Release Discovered	02/25/2025
Surface Owner	Private

Liner Inspection Event Information	
<i>Please answer all the questions in this group.</i>	
What is the liner inspection surface area in square feet	3,002
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	03/20/2025
Time liner inspection will commence	09:00 AM
Please provide any information necessary for observers to liner inspection	Tank Containment
Please provide any information necessary for navigation to liner inspection site	32.21114,-104.05146

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CONDITIONS

Action 443344

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 443344
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	3/18/2025

From: [Rodgers, Scott, EMNRD](#)
To: [Chad Hamilton](#)
Cc: [Jason Touchet](#); [Arsenio Jones](#); [Ashley Giovengo](#)
Subject: RE: [EXTERNAL] Extension Request - Matador Production Company - Tiger 14 CDP TB - Incident Number nAPP2505726681
Date: Friday, May 23, 2025 10:08:09 AM
Attachments: [image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)

[**EXTERNAL EMAIL**]

Your time extension request is approved. Remediation Due date has been updated to August 21, 2025 within the incident page. Ensure that the site characterization/assessment report has been completed and is provided within the final closure report.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports. Correspondence reporting requirements may include, but not limited to, time extension requests, sample event notifications, and variance requests.

If you have any questions, please contact me via email at your convenience.

Thank you,
Scott

Scott Rodgers • Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Chad Hamilton <chamilton@ensolum.com>
Sent: Friday, May 23, 2025 9:33 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Cc: Jason Touchet <jason.touchet@matadorresources.com>; Arsenio Jones

<arsenio.jones@matadorresources.com>; Ashley Giovengo <agiovengo@ensolum.com>

Subject: [EXTERNAL] Extension Request - Matador Production Company - Tiger 14 CDP TB - Incident Number nAPP2505726681

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

All,

Matador Production Company (Matador) is requesting an extension of the current deadline of May 26, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Tiger 14 CDP TB (Site) (Incident Number nAPP2505726681). The release occurred on February 25, 2025, and approximately 47 barrels (bbls) of crude oil were released inside of the lined containment; 30 bbls were recovered. A liner integrity inspection was completed on March 20, 2025. The release has been laterally and vertically delineated in accordance with the strictest Closure Criteria per NMOCD Table I. Matador intends to submit a remediation work plan or closure report, after completing excavation of the subject matter release and upon receiving final laboratory analytical results from confirmation sampling activities. Matador respectfully requests an extension until August 21, 2025.

Thanks,



Chad Hamilton

Project Geologist

940-923-0072

Ensolum, LLC

in f 

From: [Rodgers, Scott, EMNRD](#)
To: [Chad Hamilton](#)
Cc: [Ashley Giovengo](#); [Jason Touchet](#)
Subject: RE: [EXTERNAL] Extension Request - Matador Production Company - Tiger 14 CDP TB - nAPP2505726681
Date: Thursday, August 21, 2025 9:27:19 AM
Attachments: [image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)

[**EXTERNAL EMAIL**]

Your time extension request is approved. Remediation Due date has been updated to November 19, 2025 within the incident page. Please note that this is the second and final extension request approval. Ensure that the site characterization/assessment report has been completed and is provided within the final closure report.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

If you have any questions, please contact me via email at your convenience.

Thank you,
Scott

Scott Rodgers • Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrn.nm.gov
<http://www.emnrn.nm.gov/oed>



From: Chad Hamilton <chamilton@ensolum.com>
Sent: Thursday, August 21, 2025 7:27 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrn.nm.gov>; Rodgers, Scott, EMNRD <Scott.Rodgers@emnrn.nm.gov>
Cc: Ashley Giovengo <agiovengo@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>
Subject: [EXTERNAL] Extension Request - Matador Production Company - Tiger 14 CDP TB - nAPP2505726681

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

Hello all,

Matador Production Company (Matador) is requesting an extension of the current deadline of August 21, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Tiger 14 CDP TB (Site) (Incident Number nAPP2505726681). The release occurred on February 25, 2025, and 47 barrels (bbls) of crude oil were released within a lined secondary containment; 30 bbls of crude oil were recovered. Holes in the containment liner allowed for crude oil to leak from the secondary containment and approximately 67 square feet of caliche pad was impacted by the release. The release remained on-pad, and the Site is located on Private Land. Lateral and vertical delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I criteria is currently on-going. Matador commissioned Southwest Geophysical Consulting, LLC to complete a karst survey on July 9, 2025. Excavation of the subject matter release will begin once delineation soil sampling activities have been completed at the Site. Matador intends to submit a remediation work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. Matador respectfully requests a 90-day extension until November 19, 2025. Please let me know if you have any further questions regarding this site.

Thanks



Chad Hamilton

Project Geologist

940-923-0072

Ensolum, LLC

in f 

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

QUESTIONS

Action 562449

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 562449
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2505726681
Incident Name	NAPP2505726681 TIGER 14 CDP TB @ FAPP2202575055
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Facility	[fAPP2202575055] Tiger Facility Tank Battery

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	TIGER 14 CDP TB
Date Release Discovered	02/25/2025
Surface Owner	Private

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Human Error Valve Crude Oil Released: 47 BBL Recovered: 30 BBL Lost: 17 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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QUESTIONS, Page 2

Action 562449

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 562449
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 03/12/2026
--	--

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QUESTIONS, Page 3

Action 562449

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 562449
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	11700
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	22032
GRO+DRO (EPA SW-846 Method 8015M)	15250
BTEX (EPA SW-846 Method 8021B or 8260B)	44
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	12/15/2025
On what date will (or did) the final sampling or liner inspection occur	05/12/2025
On what date will (or was) the remediation complete(d)	01/15/2026
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1074
What is the estimated volume (in cubic yards) that will be remediated	40

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

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

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

QUESTIONS, Page 4

Action 562449

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 562449
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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	No
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Lea Land Disposal
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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: 03/12/2026
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 562449

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 562449
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 562449

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 562449
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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

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CONDITIONS

Action 562449

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 562449
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	App ID 562449: Remediation plan is approved with the following conditions; 1. Matador must complete the excavation and removal of impacted soils until confirmation samples collected from the bottom and sidewalls of the excavation report NMOCD Closure Criteria per 19.15.29.12 NMAC has been achieved. 2. Prior to backfilling the open excavation per 19.15.29.12D (2) NMAC, San Mateo must collect a minimum of one (1) 5pcs from the media being used as backfill to verify that it meets non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. This is especially important for the material being used within the top four (4) feet from the ground surface.	3/20/2026
scott.rodgers	3. Remediation on an active site can be deferred in areas immediately under or around production equipment such as production tanks, wellheads, and pipelines where remediation could cause a major facility deconstruction so long as the contamination is fully delineated and does not cause an imminent risk to human health, the environment, or ground water. The deferral request must specify which sample points are being requested for deferral including an explanation why the contaminants can't be removed. 4. Please complete delineation of BH19 and show the results. 5. Matador has 90-days (June 18, 2026) to submit to OCD its appropriate or final remediation closure report.	3/20/2026