CLOSURE AND RECLAMATION REQUEST REPORT

Site Information:

Black Mamba 15 State Com #008 and Black Mamba 15 State Com #009

Incident Numbers: nKJ1534531959 and nKJ1535733981

Lea County, New Mexico

(32.368610, -103.521860)

Prepared For:

Devon Energy Production Company, LP

5315 Buena Vista Dr.

Carlsbad, NM 88220

SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Devon Energy Production Company, LP (Devon), presents the following Closure and Reclamation Request Report (CRRR) detailing delineation, confirmation, excavation soil sampling activities, and subsequent reclamation activities conducted in accordance with an approved Remediation Work Plan (RWP) to address two inadvertent releases of produced water at the Black Mamba 15 State Com #008 and Black Mamba State Com #009 (Site) (**Figure 1** in **Appendix A**). Based on completed remedial actions and laboratory analytical results from final confirmation soil sampling activities at the Site, Devon is requesting No Further Remedial Action (NFRA).

The CRRR recognizes that the approved RWP reflects the guidance and standards in place at the time of approval, so as such, the Sites were re-evaluated in accordance with current rules and regulations.

SITE BACKGROUND

nKJ1534531959

On December 4, 2015, a pinhole leak was discovered in a produced water transfer line. Line clamps were installed to isolate the section for repair. However, when the line was cut, the high head pressure exceeded the clamp's capacity, causing the release of approximately 35 barrels (bbls) of produced water onto a two-track pipeline road. Due to the sandy nature of the road surface, and no fluids were able to be recovered. Devon immediately notified the New Mexico Oil and Gas Conservation Division (NMOCD) via email on December 5, 2015, and reported the release on a Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on December 11, 2015. **Figure 2** in **Appendix A** depicts the estimated release area, hereafter referred to as the Area of Concern #1 (AOC #1), based on information provided on the Form C-141.

nKJ1535733981

On December 13, 2015, a fitting on a produced water line broke, resulting in the release of approximately 30 bbls of produced water onto the same pipeline two-track road as Incident Number nKJ1534531959. A vacuum truck was dispatched the following day and recovered approximately 1 bbl of fluid. Devon immediately notified the NMOCD and BLM via email on December 13, 2015, and reported the release on a Form C-141, which was received by the NMOCD on December 23, 2015. **Figure 2A** in **Appendix A** depicts the estimated release area, hereafter referred to as the Area of Concern #2 (AOC #2), based on information provided on the Form C-141.

Shortly after the discovery of the releases, a third-party environmental contractor was retained to conduct delineation activities to determine the presence or absence of soil impacts at the Site. A RWP outlining these delineation activities was submitted to the NMOCD on March 14, 2016, proposing the removal of chloride concentrations exceeding 1,000 mg/kg. Confirmation soil samples would be collected from the excavated areas and tested for chloride. The NMOCD approved the RWP on March 14, 2016, pending verification of the proposed excavation depth through photographic documentation.

The RWP was written, submitted, and approved in accordance with the guidance and standards in effect at the time of approval. Due to the age of the approved RWP and subsequent regulatory updates, a copy was also submitted to the NMSLO for review on June 26, 2024. In response, the NMSLO requested additional information via email, addressing the reclamation of State Trust Land.

To meet this request and ensure compliance with current regulatory standards, Etech submitted a supplemental Reclamation Plan to the NMSLO on July 24, 2024, via email, and it was approved on July 27, 2024.

On July 5, 2025, Etech submitted a Sampling Variance Request (SVR) to reduce the 5-point composite confirmation soil sampling frequency throughout the AOCs from every 200 square feet to 400 square feet. The SVR was approved by the NMOCD on June 5, 2025, followed by the NMSLO on June 6, 2025, with the note that the confirmation soil sampling frequency would remain at 200 square feet for the edge(s) of the AOCs.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

As summarized in the approved SVR, Etech characterized the Site according to 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) considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

Regional depth to groundwater is estimated to be between 51 and 100 feet bgs, based on the New Mexico Office of State Engineer (NMOSE) permitted soil boring (CP-1990-POD1) that was drilled by Vision Resources located approximately 1.0-mile northwest of the Site. The soil boring was advanced on March 25, 2024, via a truck mounted drill rig equipped with air rotary to a total depth of 60 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. Following the observation period, the boring was plugged and abandoned according to the appropriate regulations. The well log for the referenced soil boring is provided in **Appendix B**. The soil boring location and other nearby soil borings and/or regional groundwater well locations are shown in **Figure 1A** in **Appendix A**.

All other potential receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details and sources used to determine the site characterization are included in **Figure 1B** and **Figure 1C** in **Appendix A**.

Based on the results from the desktop review and no recent data from groundwater wells and/or soil borings within a 0.5-mile from the Site, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria Limits[†]

Chloride	Environmental Protection Agency (EPA) 300.0	600 (mg/kg)[†]
TPH (Total Petroleum Hydrocarbons)	EPA 8015 M/D	100 mg/kg
Benzene	EPA 8021B or EPA 8260B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B or EPA 8260B	50 mg/kg

[†]*The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.*

The Site's climate is generally semi-arid to arid, characterized by low precipitation and abundant sunshine. According to the United States Department of Agriculture Conservation Service Natural Resources Conservation Service (USDA NRCS) Soil Survey, the soils in proximity to AOC #1 consist of Kermit soils and Dune land, and soils within proximity to AOC #2 consist of Kermit-Palomas fine sands and Pyote and maljamar fine sands. The Kermit soils and Dune land along with the Kermit-Palomas fine sands have 0 to 12 percent slope, and the Pyote and maljamar fine sands have 0 to 3 percent slope (**Figure 1D**). The drainage class for the soils at the Site range from well drained to excessively drained. Additional soil characteristics and ecological descriptions are provided in the complete USDA NRCS Soil Survey and NRCS Ecological Site Descriptions in **Appendix C**.

NMSLO REGULATORY COMPLIANCE

Based on a desktop review, the AOCs intersect various active NMSLO oil and gas Right of Way (ROW) leases. Since there was a potential that the AOCs impacted ROWs not under Devon operation, a Right-of-Entry (ROE) for remediation was filed on February 27, 2025, and approved on May 8, 2025, under permit number RE-7448 by the NMSLO Commercial Resources Division.

CULTURAL PROPERTIES PROTECTION RULE

In accordance with the requirements outlined by the NMSLO Cultural Properties Protection (CPP) Rule (19.2.24 NMAC), Etech, on behalf of Devon, consulted with Lone Mountain Archaeological Services, Inc. (Lone Mountain) to conduct an intensive pedestrian survey of undisturbed areas near the AOCs, hereafter referred to as the Area of Potential Effect (APE), on January 18, 2025, due to the potential need to access these areas for remediation. The survey was negative; no archaeological sites or historic properties were observed during the investigation. A copy of the New Mexico Cultural Resources Information System (NMCRIS) Cultural Resources Cover Sheet (Activity Number: 157601) is included in **Appendix D**.

BIOLOGICAL SENSITIVE AREAS

A desktop review was conducted in accordance with the U.S. Fish and Wildlife Service (USFWS) and the National Marine Fisheries Service (NMFS), and National Marine Fisheries Service (NMFS), which identified the Lesser Prairie Chicken (*Tympanuchus pallidicinctus*) Habitat Evaluation Area intersected the APE and/or the AOC(s) (**Appendix E**). Under the established Timing Limitation Stipulation, to minimize potential impacts on this species, all work activities on the Site were restricted during the critical nesting and breeding period from March 1st to June 15th. During this period, no work was conducted between 0300 and 0900 to reduce disturbances from noise and human activity. It should be noted that the AOCs and/or APE area(s) are categorized by New Mexico Crucial Habitat Assessment Tool (NM CHAT) ranking 4, where 1 represents the most critical habitat and 6 the least (**Figure 1E**).

DELINEATION SOIL SAMPLING ACTIVITIES

From May 2, 2025, to June 4, 2025, Etech conducted delineation activities to reassess the vertical and lateral extents of residual impacts associated with the AOCs at the locations where previous delineation had been performed from the approved RWP. In total, forty-nine delineation boreholes were advanced via hand auger and driven in accordance with Site Closure Criteria by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test. A minimum of two soil samples were collected from each delineation soil sampling location, representing the highest observed field screening concentrations and the terminus depth. Field screening results and soil descriptions are included on soil sampling logs shown in **Appendix F**. Photographic documentation of delineation activities is included in **Appendix G**.

The delineation soil samples were placed directly into lab-provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech, Inc. Laboratories (Envirotech) in Farmington, New Mexico, for analysis of COCs. The delineation soil sample locations are shown in **Figure 2** and **Figure 2A** in **Appendix A**.

DELINEATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all delineation soil samples indicated concentrations of COCs were below the Site Closure Criteria and/or Reclamation Standard. Laboratory analytical results are summarized in **Table 1** and **Table 2**, included in **Appendix H**. The executed chain-of-custody form and laboratory reports are provided in **Appendix I**.

CONFIRMATION SOIL SAMPLING ACTIVITIES

On June 19, 2025, Etech collected 5-point composite confirmation soil samples throughout the AOC footprints in accordance with the approved sampling frequency of 400 square feet (sqft). Confirmation soil samples were collected along the edges of the AOCs representing no more than 200 sqft per soil sample. The confirmation soil samples consisting of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag were field screened, handled, and analyzed as previously described. The locations of the confirmation soil samples are shown in **Figure 3** and **Figure 3A** in **Appendix A**. Photographic documentation during soil sampling activities is included in **Appendix G**.

CONFIRMATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated that concentrations of COCs for all confirmation soil samples were below the applicable Site Closure Criteria and/or reclamation standard. Laboratory analytical results are summarized in **Table 1** and **Table 2**, included in **Appendix H**. The executed chain-of-custody form and laboratory reports are provided in **Appendix I**.

CONFIRMATION EXCAVATION SOIL SAMPLING ACTIVITIES

From September 10, 2025, through September 11, 2025, Etech directed the removal of identified soil impacts via heavy equipment based on previous laboratory analytical results subsequent proposed corrective actions detailed in the approved RWP. The excavation(s) were advanced up to 0.5 feet bgs and further evaluated by field screening soil for VOCs and chloride as previously described.

Following the removal of impacted soil, Etech collected 5-point composite confirmation excavation soil samples from the floors and sidewalls of the excavations, representing 400 sqft for the floors and 200 sqft per soil sample for the sidewalls. The final 5-point composite soil samples consisting of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag were field screened, handled and analyzed as previously described.

Approximately 106 cubic yards (CY) of impacted soil was removed from the Sites. Impacted soil was transported to an approved disposal facility under Devon approved manifests. The excavation extents and locations of confirmation excavation activities are included in **Figure 4** and **Figure 4A** in **Appendix A**. Photographic documentation of excavation activities is included in **Appendix G**.

FINAL EXCAVATION CONFIRMATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated that concentrations of COCs for all confirmation excavation soil samples were below the applicable Site Closure Criteria and/or reclamation standard. Laboratory analytical results are summarized in **Table 1** and **Table 2**, included in **Appendix H**. The executed chain-of-custody forms and laboratory analytical results are provided in **Appendix I**.

RECLAMATION

On October 29, 2025, the excavations, which totaled approximately 5,672 sqft, were backfilled with 106 CY of clean, locally sourced soil, and the Site was restored to "as close to its original state" as possible. The final soil cover was contoured to match the Site's pre-existing grade to prevent ponding of water and erosion. Based on the soils of the Sites (predominantly Kermit soils and Dune land for AOC #1, and Kermit-Palomas fine sands and Pyotite, and Maljamar fine sands for the AOC #2), the NMSLO Sandy Loam (SL) seed mixture will be hand-broadcasted over the entire disturbed areas in the next favorable growing season following NMSLO guidelines (**Appendix J**). The selected seed blend will provide the maximum results of vegetation regrowth and ground surface coverage to match pre-existing conditions at the Sites. Site inspections will be performed annually to assess the revegetation progress and evaluate the Sites for the presence or absence of primary and/or secondary noxious weeds. Upon confirmation that the percentage of vegetation cover and the life-form ratio fulfill the NMOCD definition of "revegetation", a Revegetation Report will be prepared and submitted to the NMOCD requesting approval of the Site restoration. If no growth is shown within a year of the next favorable growing season, the Site will be reseeded accordingly. If noxious weeds are identified, Devon will address them accordingly.

Prior to initiating backfilling activities, Etech assessed the backfill material for its capacity to host vegetative growth. Two 5-point composite soil samples were collected from a backfill stockpile to use as soil cover material for the excavation areas (STKP01 through STKP02). The soil samples were field screened for VOCs and chloride, as previously described. Following backfilling activities, four additional 5-point composite soil samples of the backfill soil cover (SC01 through SC04) were collected and qualitatively evaluated for nutrient density of pH, Nitrogen (N), Phosphorus (P), and Potassium (K) utilizing a HoldAll® Soil Test Kit according to the operating manual, which is included in **Appendix K**. Field screening and laboratory analytical results indicated the backfill material appears to correlate with surrounding soil conditions currently supporting native vegetative growth, as summarized in **Table 3** and **Table 4**, included in **Appendix E**. The location of the reclaimed area is shown in **Figure 5** and **Figure 5A** in **Appendix A**. Photographic documentation of restoration activities is included in **Appendix G**.

CLOSURE REQUEST

Based on previous and recent laboratory analytical results, Devon believes that residual soil impacts associated with the inadvertent release have been excavated and removed from the Site and the remediation area subsequently reclaimed "as close to its original state" as possible. Concentrations of COCs for all confirmation soil samples were below the Site Closure Criteria and the reclamation standard. As such, NFRA appears warranted at this time, and this CRRR associated with Incident Numbers nKJ1534531959 and nKJ1535733981 should be respectfully considered for Closure by the NMOCD.

If you have any questions or comments, please do not hesitate to contact Erick Herrera at (432) 305-6416 or erick@etechenv.com or Joseph S. Hernandez at (432) 305-6413 or joseph@etechenv.com. **Appendix L** provides correspondence and email notification receipts associated with the subject release.

Sincerely,

Etech Environmental and Safety Solutions, Inc.

Erick Herrera
Operations Manager, EGTG
Consultant, Geologist

Joseph S. Hernandez
Division Director, EGTG (TX and NM)
Environmental and Geoscience Technical Group

cc: Jim Raley, Devon
New Mexico Oil Conservation Division
New Mexico State Land Office

Appendices:

Appendix A: Figure 1: Site Map
Figure 1A: Site Characterization Map – Groundwater
Figure 1B: Site Characterization Map – Surficial Receptors
Figure 1C: Site Characterization Map – Subsurface Receptors
Figure 1D: Site Characterization Map – Subsurface Receptors – Soils
Figure 1E: Site Characterization Map – Biology
Figure 2: Delineation Soil Sampling Locations
Figure 2A: Delineation Soil Sampling Locations
Figure 3: Confirmation Soil Sampling Locations
Figure 3A: Confirmation Soil Sampling Locations
Figure 4: Excavation Soil Sampling Locations

Figure 4A: Excavation Soil Sampling Locations

Figure 5: Future Revegetation Areas

Figure 5A: Future Revegetation Areas

Appendix B: Referenced Well Records

Appendix C: USDA NRCS Web Soil Survey

Appendix D: NMSLO Cultural Cover Sheet

Appendix E: U.S. Fish & Wildlife Service Threatened and Endangered Species Report

Appendix F: Soil Sampling Logs

Appendix G: Photographic Log

Appendix H: Tables

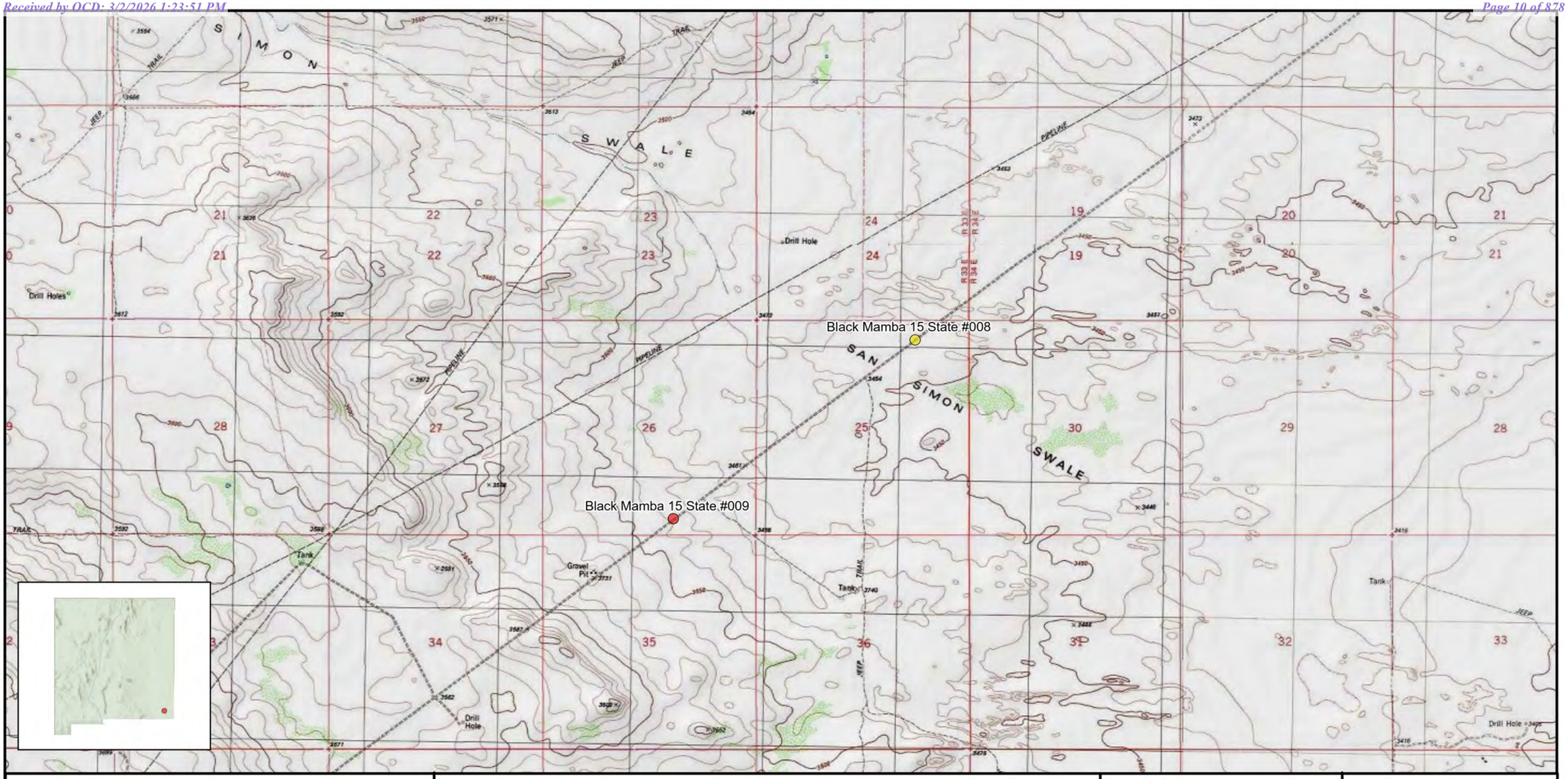
Appendix I: Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix J: NMSLO Site Seed Mixture

Appendix K: HoldAll® Operating Manual

Appendix L: Correspondence & Notifications

Appendix A



Legend

- Area of Concern #1
- Area of Concern #2

FIGURE 1

Site Location Map

Devon Energy Production Company, LP
Black Mamba 15 State #008 & Black Mamba 15 State #009
(32.368610, -103.521860)
Lea County, New Mexico

N

0 2,000 4,000 Feet

devon

eTECH
13000 W County Rd 100, Odessa, TX 79765

Black Mamba 15 State #008

Black Mamba 15 State #009

CP-00865-POD1
CP-01731-POD2
CP-01731-POD1
CP-01990-POD1
DTW: >60'
CP-01631-POD1
CP-01731-POD3
CP-01630-POD2
CP-00864
CP-01973-POD1
CP-01843-POD1
CP-01842-POD1
CP-01686-POD1
CP-01624-POD1
CP-01982-POD1
CP-01705-POD1
CP-01706-POD1
CP-01829-POD1
CP-01847-POD1

Notes:
Environmental Systems Research Institute (ESRI),
New Mexico Oil and Conservation Division (NMOCD),
United States Fish and Wildlife Service (USFWS)
Office of the State Engineer (OSE),
United States Geological Survey (USGS),
Bureau of Land Management (BLM),
Carlsbad Field Office (CFO),
FEMA's National Flood Hazard Layer (NFHL),
DTW - Depth to Water in feet below ground surface (bgs)
* A spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes within 500 horizontal feet of the Site

Sources:
US Fish and Wildlife Service, National Standards and Support Team wetlands_team@fws.gov,
NMOCD Oil and Gas Map,
USGS National Water Information System: Mapper,
BLM CFO Karst Map

Legend

- Area of Concern #1
- Area of Concern #2
- OSE POD Locations
- USGS Well Locations

Distance Buffers

- 500 Foot Radius
- 1,000 Foot Radius
- 0.5 Mile Radius
- 1.0 Mile Radius

FIGURE 1A

Site Characterization Map

Groundwater

Devon Energy Production Company, LP
Black Mamba 15 State #008 & Black Mamba 15 State #009
(32.368610, -103.521860)
Lea County, New Mexico

N

0 2,000 4,000 Feet

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Legend

- Area of Concern #1
- Area of Concern #2

FEMA'S National Flood Hazard Layer

- FEMA 1% Annual Chance Flood Hazard

USFWS Wetlands Inventory

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine
- Riparian - Forested/Shrub

Distance Buffers

- 200 Foot Radius
- 300 Foot Radius
- 1.0 Mile Radius

FIGURE 1B

Site Characterization Map

Surficial Receptors

Devon Energy Production Company, LP
Black Mamba 15 State #008 & Black Mamba 15 State #009
(32.368610, -103.521860)
Lea County, New Mexico

N

0 2,000 4,000 Feet

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Legend

- Area of Concern #1
- Area of Concern #2

BLM Karst Designations

- Low Karst
- Medium Karst
- High Karst
- Critical Karst

Active Registered Mines in New Mexico

- Subsurface Mine

Distance Buffers

- 1.0 Mile Radius
- 5.0 Mile Radius

FIGURE 1C

Site Characterization Map

Subsurface Receptors

Devon Energy Production Company, LP
Black Mamba 15 State #008 & Black Mamba 15 State #009
(32.368610, -103.521860)
Lea County, New Mexico

N

0 15,000 30,000 Feet

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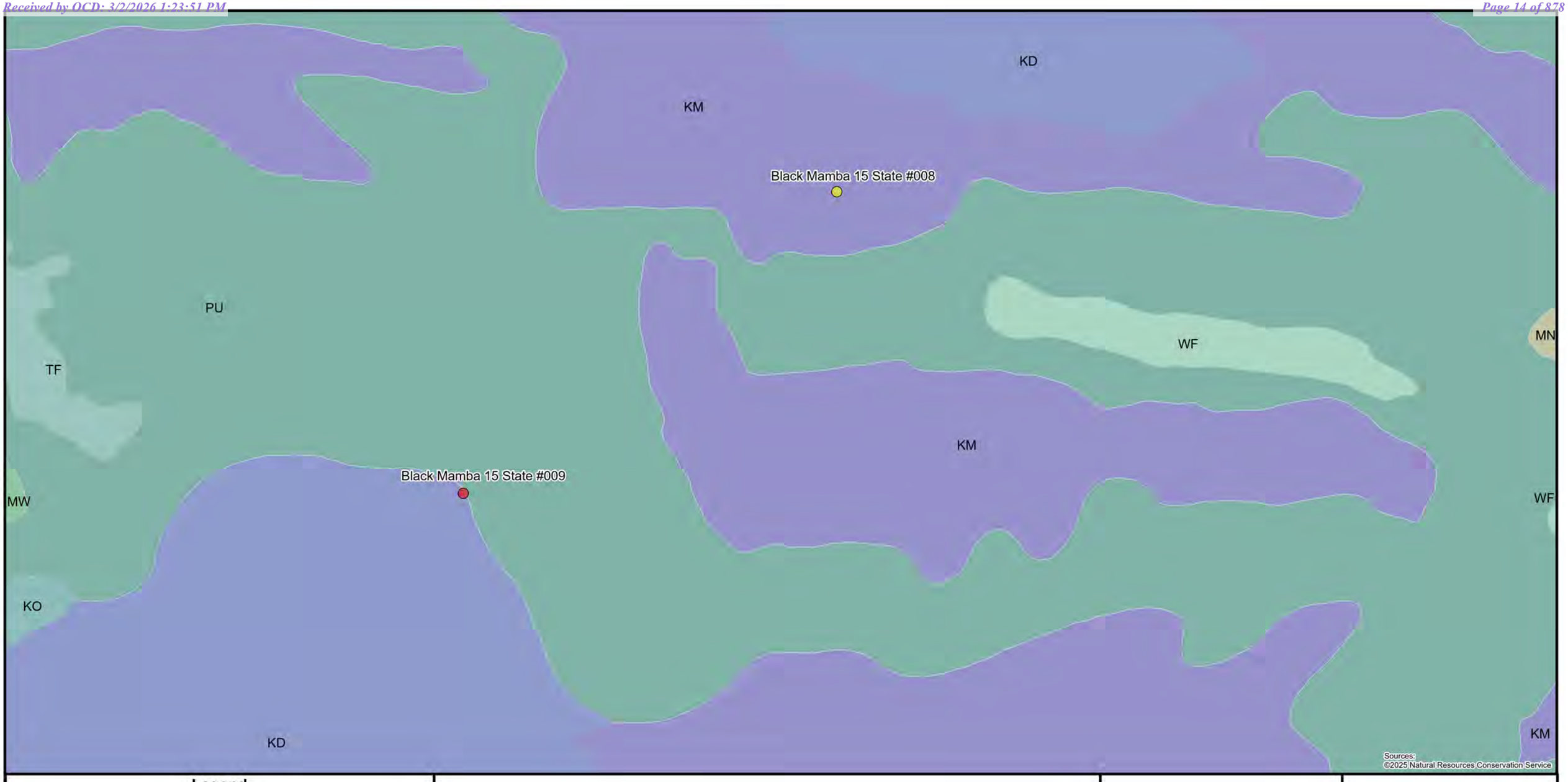

Legend

- KD: Kermit-Palomas, 0 to 12 percent slopes
- KM: Kermis soils and Dune land, 0 to 12 percent slopes
- KO: Kimbrough loam, 0 to 3 percent slopes
- MN: Ratliff-Wink fine sandy loams
- MW: Mobeetie-Potter association, 1 to 15 percent slopes
- PU: Pyote and maljamar fine sands
- TF: Tonuco loamy fine sand, moist, 0 to 3 percent slopes
- WF: Wink loamy fine sand

FIGURE 1D

Site Characterization Map

Subsurface Receptors - Soils

Devon Energy Production Company, LP
Black Mamba 15 State #008 & Black Mamba 15 State #009
(32.368610, -103.521860)
Lea County, New Mexico

N

0 1,200 2,400 Feet

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Legend

- Crucial Habitat Rank: Priority Level 1
- Crucial Habitat Rank: Priority Level 2
- Crucial Habitat Rank: Priority Level 3
- Crucial Habitat Rank: Priority Level 4
- Crucial Habitat Rank: Priority Level 5
- Crucial Habitat Rank: Priority Level 6

FIGURE 1E

Site Characterization Map

Surface Receptors - Biology

Devon Energy Production Company, LP
Black Mamba 15 State #008 & Black Mamba 15 State #009
(32.368610, -103.521860)
Lea County, New Mexico

N

0 1,200 2,400 Feet

devon

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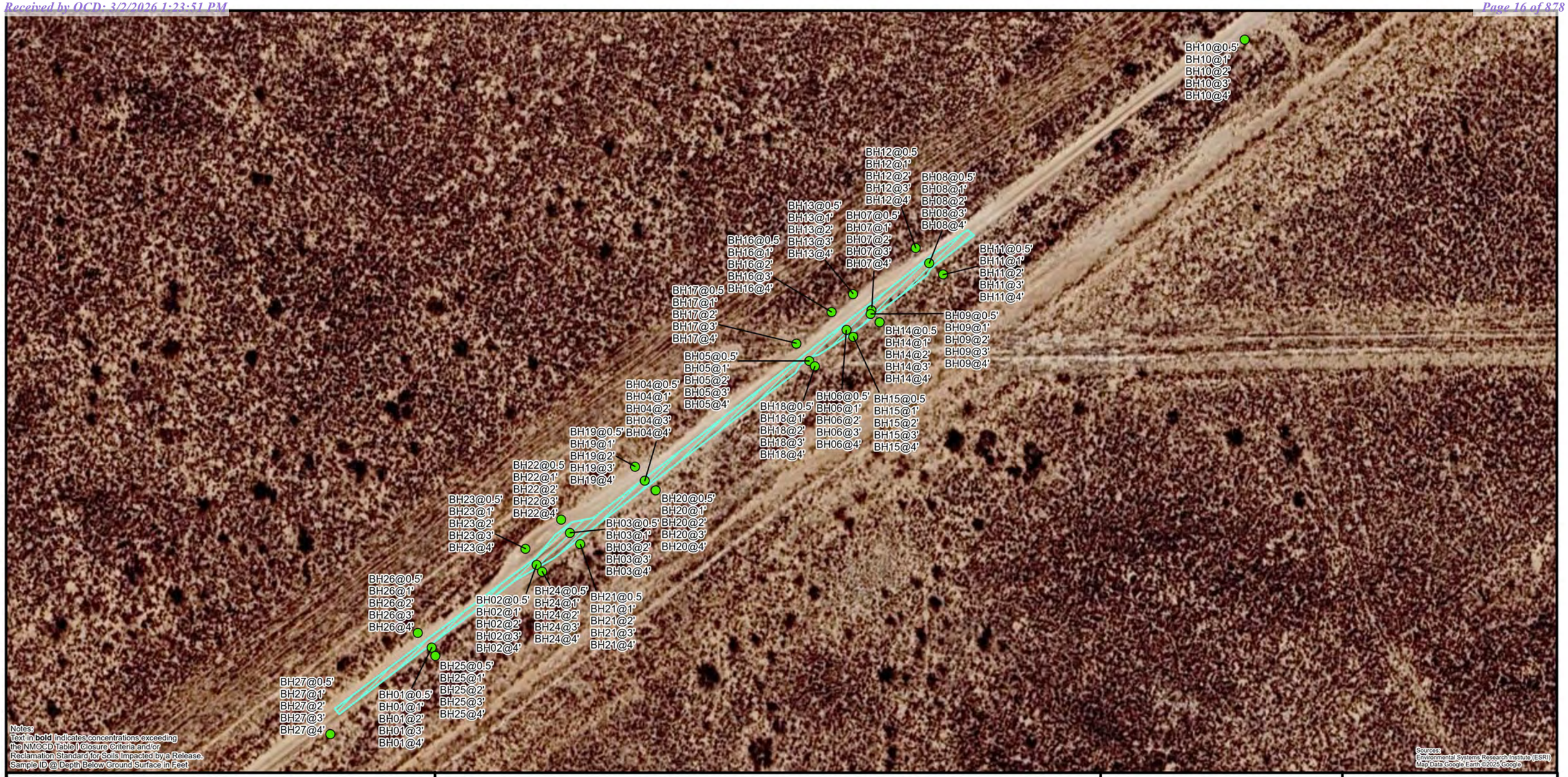

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Area of Concern #1

FIGURE 2

Delineation Soil Sample Locations

Black Mamba 15 State #008

Devon Energy Production Company, LP
Black Mamba 15 State #008 & Black Mamba 15 State #009
(32.368610, -103.521860)
Lea County, New Mexico

N

0 87.5 175 Feet

devon

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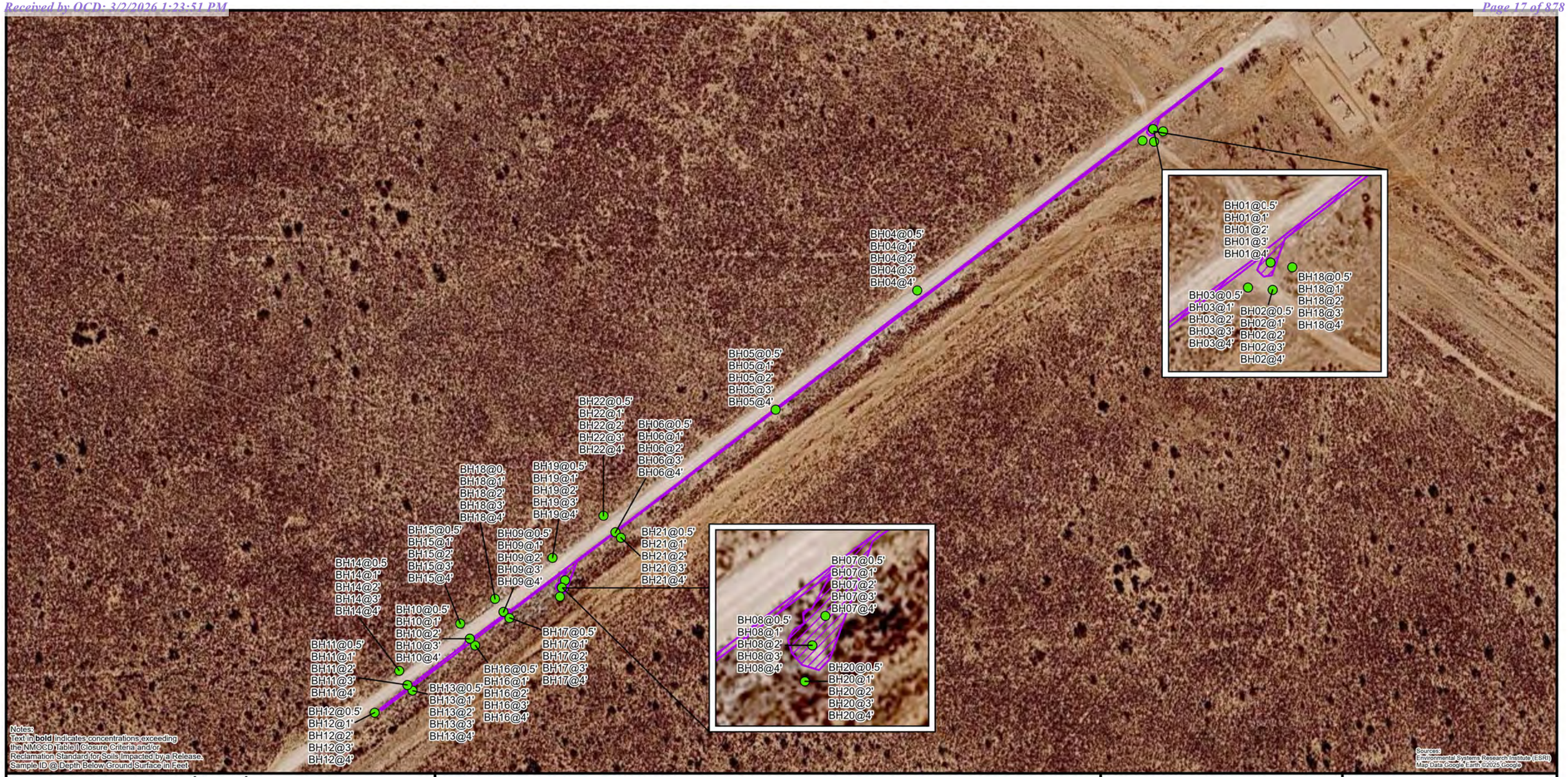
13000 W County Rd 100, Odessa, TX 79765



Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Area of Concern #2

FIGURE 2A

Delineation Soil Sample Locations

Black Mamba 15 State #009

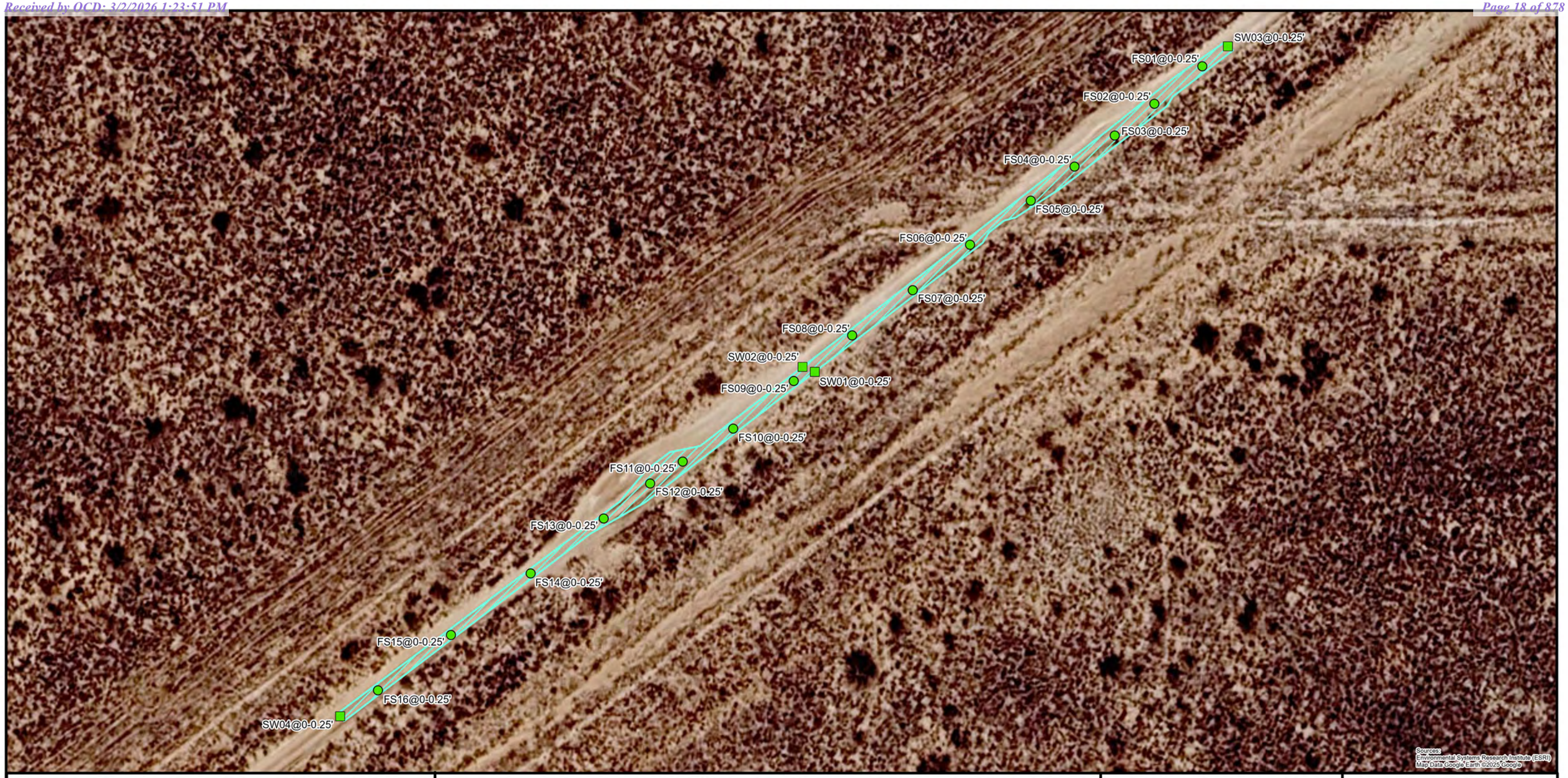
Devon Energy Production Company, LP
Black Mamba 15 State #008 & Black Mamba 15 State #009
(32.368610, -103.521860)
Lea County, New Mexico

N

0 150 300 Feet

devon

eTECH
13000 W County Rd 100, Odessa, TX 79765



Legend

- Confirmation Floor Soil Soil Sample in Compliance with Closure Criteria
- Confirmation Sidewall Soil Sample in Compliance with Closure Criteria
- Area of Concern #1

FIGURE 3

Confirmation Soil Sample Locations

Black Mamba 15 State #008

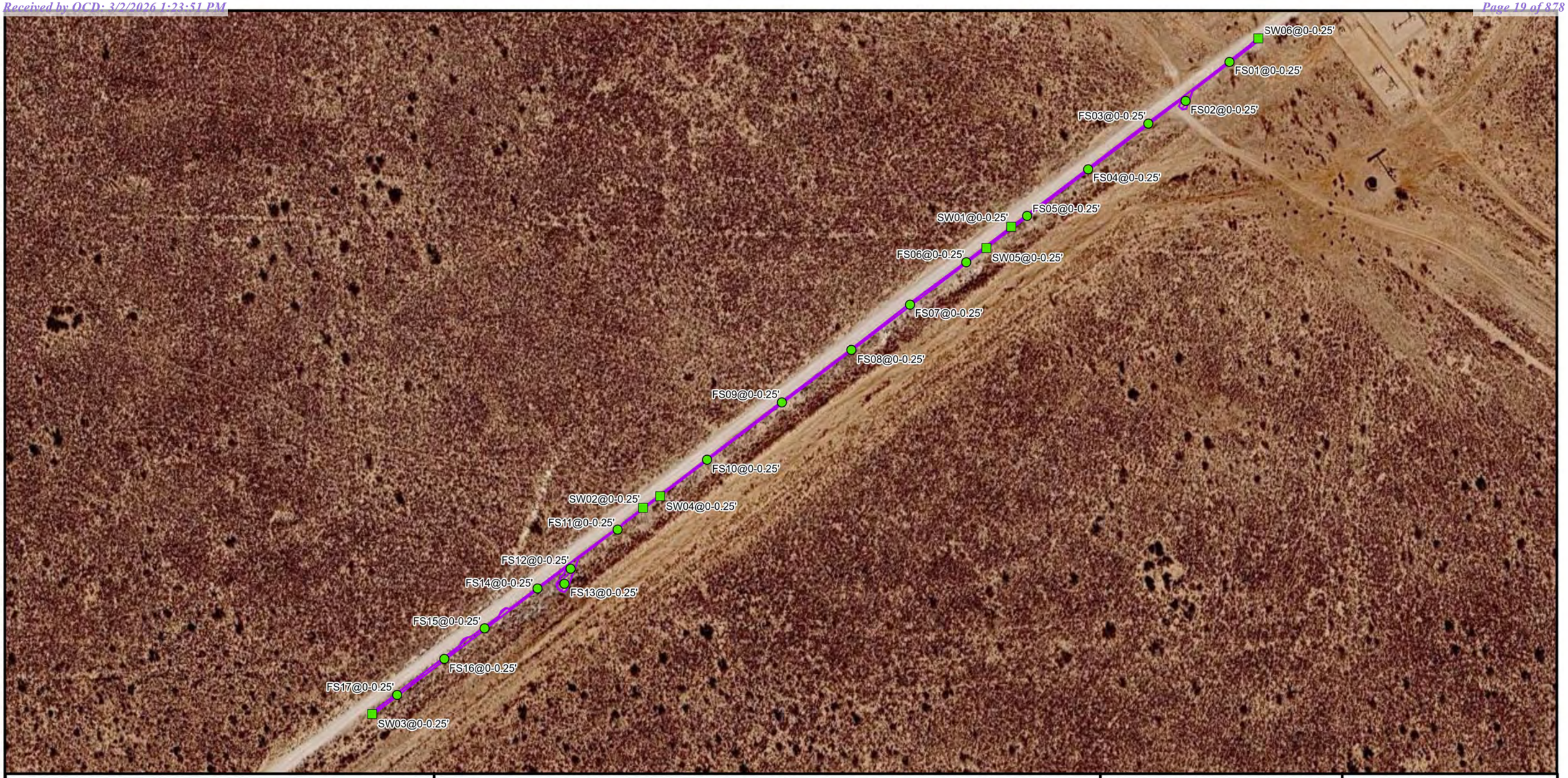
Devon Energy Production Company, LP
Black Mamba 15 State #008 & Black Mamba 15 State #009
(32.368610, -103.521860)
Lea County, New Mexico

N

0 62.5 125 Feet

devon

eTECH
13000 W County Rd 100, Odessa, TX 79765



Legend

- Confirmation Floor Soil Soil Sample in Compliance with Closure Criteria
- Confirmation Sidewall Soil Sample in Compliance with Closure Criteria
- Area of Concern #2

FIGURE 3A

Confirmation Soil Sample Locations

Black Mamba 15 State #009

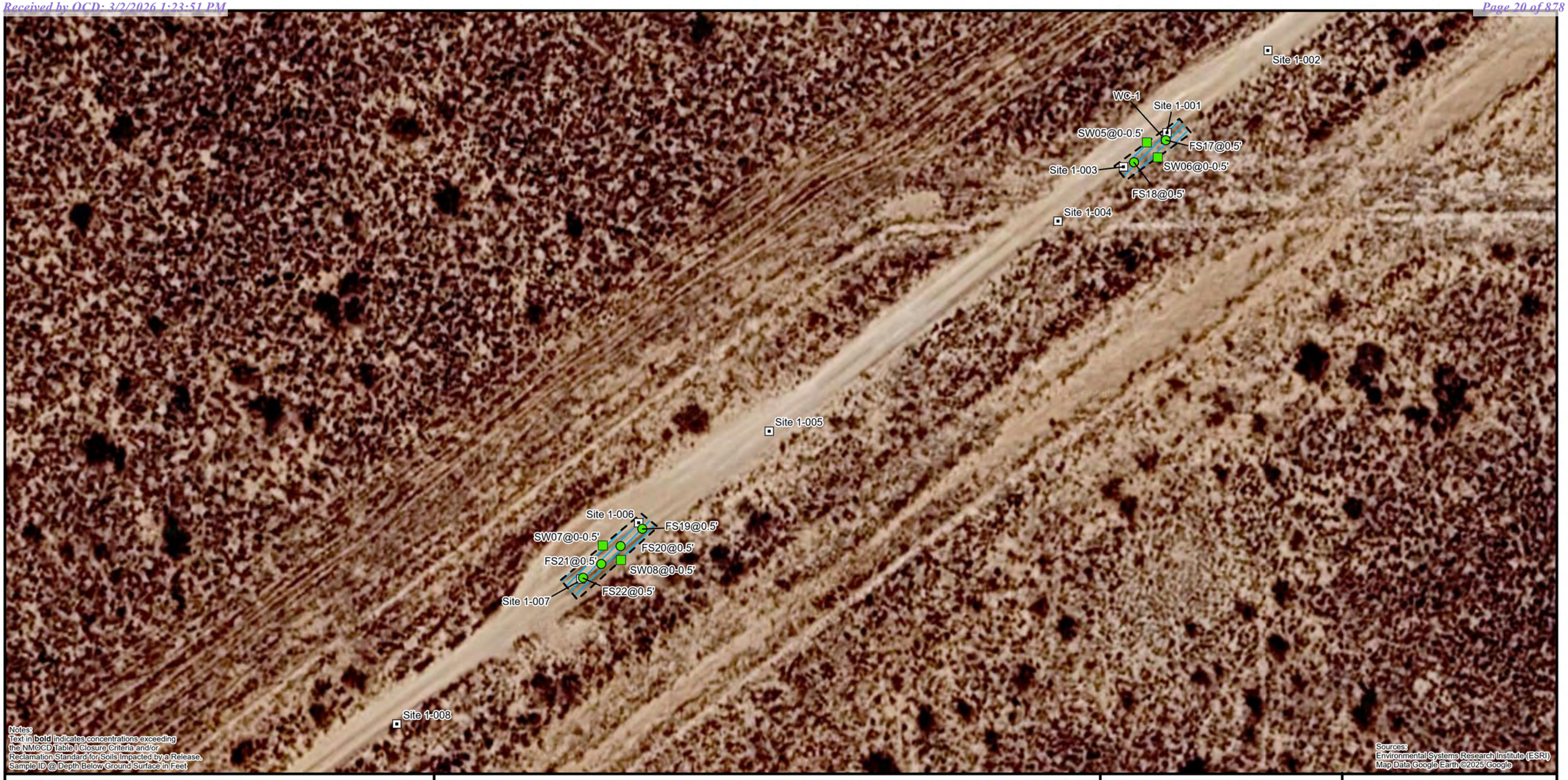
Devon Energy Production Company, LP
Black Mamba 15 State #008 & Black Mamba 15 State #009
(32.368610, -103.521860)
Lea County, New Mexico

N

0 150 300 Feet

devon

eTECH
13000 W County Rd 100, Odessa, TX 79765



Legend

- Excavation Floor Soil Sample in Compliance with Closure Criteria
- Excavation Sidewall Soil Sample in Compliance with Closure Criteria
- Remediation Work Plan Soil Sampling Locations
- Excavation Extent

FIGURE 4

Excavation Soil Sample Locations

Black Mamba 15 State #008

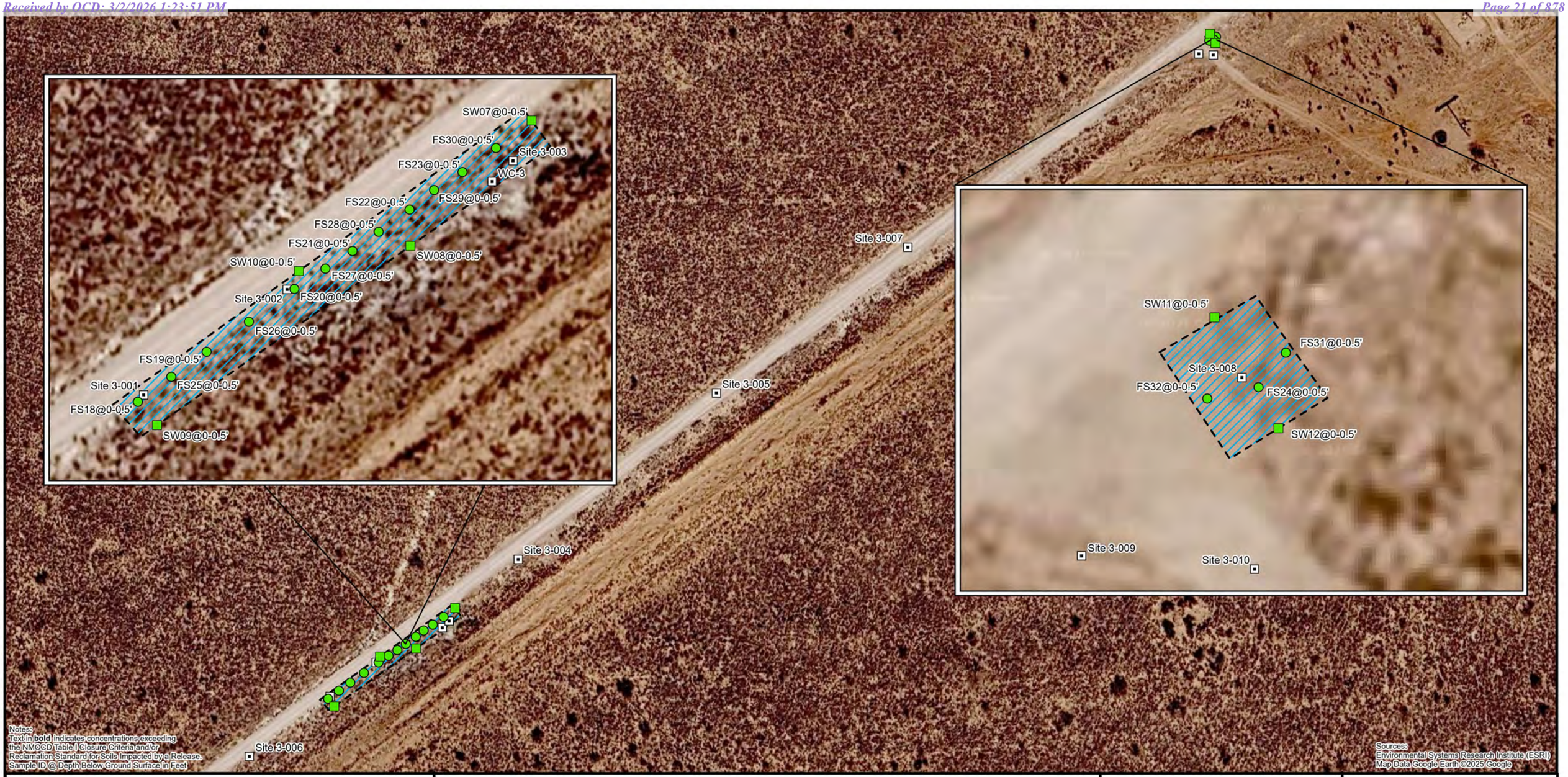
Devon Energy Production Company, LP
Black Mamba 15 State #008 & Black Mamba 15 State #009
(32.368610, -103.521860)
Lea County, New Mexico

N

0 30 60 Feet

devon

eTECH
13000 W County Rd 100, Odessa, TX 79765



Legend

- Excavation Floor Soil Sample in Compliance with Closure Criteria
- Excavation Sidewall Soil Sample in Compliance with Closure Criteria
- Remediation Work Plan Soil Sampling Locations
- Excavation Extent

FIGURE 4A

Excavation Soil Sample Locations

Black Mamba 15 State #009

Devon Energy Production Company, LP
Black Mamba 15 State #008 & Black Mamba 15 State #009
(32.368610, -103.521860)
Lea County, New Mexico

N

0 125 250 Feet

devon

eTECH
13000 W County Rd 100, Odessa, TX 79765

Legend

Future Revegetation Areas

FIGURE 5

Future Revegetation Areas

Black Mamba 15 State #008

Devon Energy Production Company, LP
Black Mamba 15 State #008 & Black Mamba 15 State #009
(32.368610, -103.521860)
Lea County, New Mexico

N

0 30 60 Feet

devon

eTECH

13000 W County Rd 100, Odessa, TX 79765

Legend

Future Revegetation Areas

FIGURE 5A

Future Revegetation Areas

Black Mamba 15 State #009

Devon Energy Production Company, LP
Black Mamba 15 State #008 & Black Mamba 15 State #009
(32.368610, -103.521860)
Lea County, New Mexico

N

0 112.5 225 Feet

devon

eTECH
13000 W County Rd 100, Odessa, TX 79765

Appendix B

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
CP 01990		CP-1990-POD1

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Devon Energy Resources	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
205 E. Bender Road #150	Hobbs	NM	88240

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	22	13.85	N
	LONGITUDE	-103	30	10.63	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1833	Jason Maley	Vision Resources

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
3-25-24	3-25-24	60'	60'	N/A

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 0'

DATE STATIC MEASURED: 3-28-24

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	50	6"	PVC 2" SCH40	Thread	2"	SCH40	N/A
50	60	6"	PVC 2" SCH40	Thread	2"	SCH40	.02

OSE DII APR 17 2024 PM 1:25

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			None pulled and plugged		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO: CP-01990	POD NO: 1	TRN NO: 756876	
LOCATION: 22S.34E.19.344		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	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)
0	10	10'	Brown sand with small rock	Y ✔ N	
10	60	50'	Tan fine sand with small amount of small rock	Y ✔ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:
☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY: Dry hole

TOTAL ESTIMATED WELL YIELD (gpm): 0

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:

OSE DII APR 17 2024 PM1:26

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Jason Maley

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jason Maley

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

4/11/24

DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. CP-01990	POD NO. 1	TRN NO. 756876	
LOCATION 22S.34E.19.344		WELL TAG ID NO.	PAGE 2 OF 2

Mike A. Hamman, P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 756876
File Nbr: CP 01990
Well File Nbr: CP 01990 POD1

Apr. 24, 2024

DALE WOODALL
DEVON ENERGY RESOURCES
205 E. BENDER RD. #150
HOBBS, NM 88240

Greetings:

The above numbered permit was issued in your name on 03/01/2024.

The Well Record was received in this office on 04/17/2024, stating that it had been completed on 03/25/2024, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 03/01/2025.

If you have any questions, please feel free to contact us.

Sincerely,

Rodolfo Chavez
(575)622-6521

drywell

Appendix C

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Lea County, New Mexico

October 31, 2025

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map (Black Mamba 15 State #008)

Custom Soil Resource Report

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 22, Sep 9, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend (Black Mamba 15 State #008)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KM	Kermit soils and Dune land, 0 to 12 percent slopes	60.3	100.0%
Totals for Area of Interest		**60.3**	**100.0%**

Map Unit Descriptions (Black Mamba 15 State #008)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The

delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Lea County, New Mexico

KM—Kermit soils and Dune land, 0 to 12 percent slopes

Map Unit Setting

National map unit symbol: dmpx
Elevation: 3,000 to 4,400 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 46 percent
Dune land: 44 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Dunes
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex
Parent material: Calcareous sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: fine sand
C - 8 to 60 inches: fine sand

Properties and qualities

Slope: 5 to 12 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 3 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BC022NM - Sandhills
Hydric soil rating: No

Description of Dune Land

Setting

Landform: Dunes
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 6 inches: fine sand
C - 6 to 60 inches: fine sand

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydrologic Soil Group: A
Hydric soil rating: No

Minor Components

Palomas

Percent of map unit: 3 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Pyote

Percent of map unit: 3 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Wink

Percent of map unit: 2 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Maljamar

Percent of map unit: 2 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Soil Information for All Uses

Ecological Sites

Individual soil map unit components can be correlated to a particular ecological site. The Ecological Site Assessment section includes ecological site descriptions, plant growth curves, state and transition models, and selected National Plants database information.

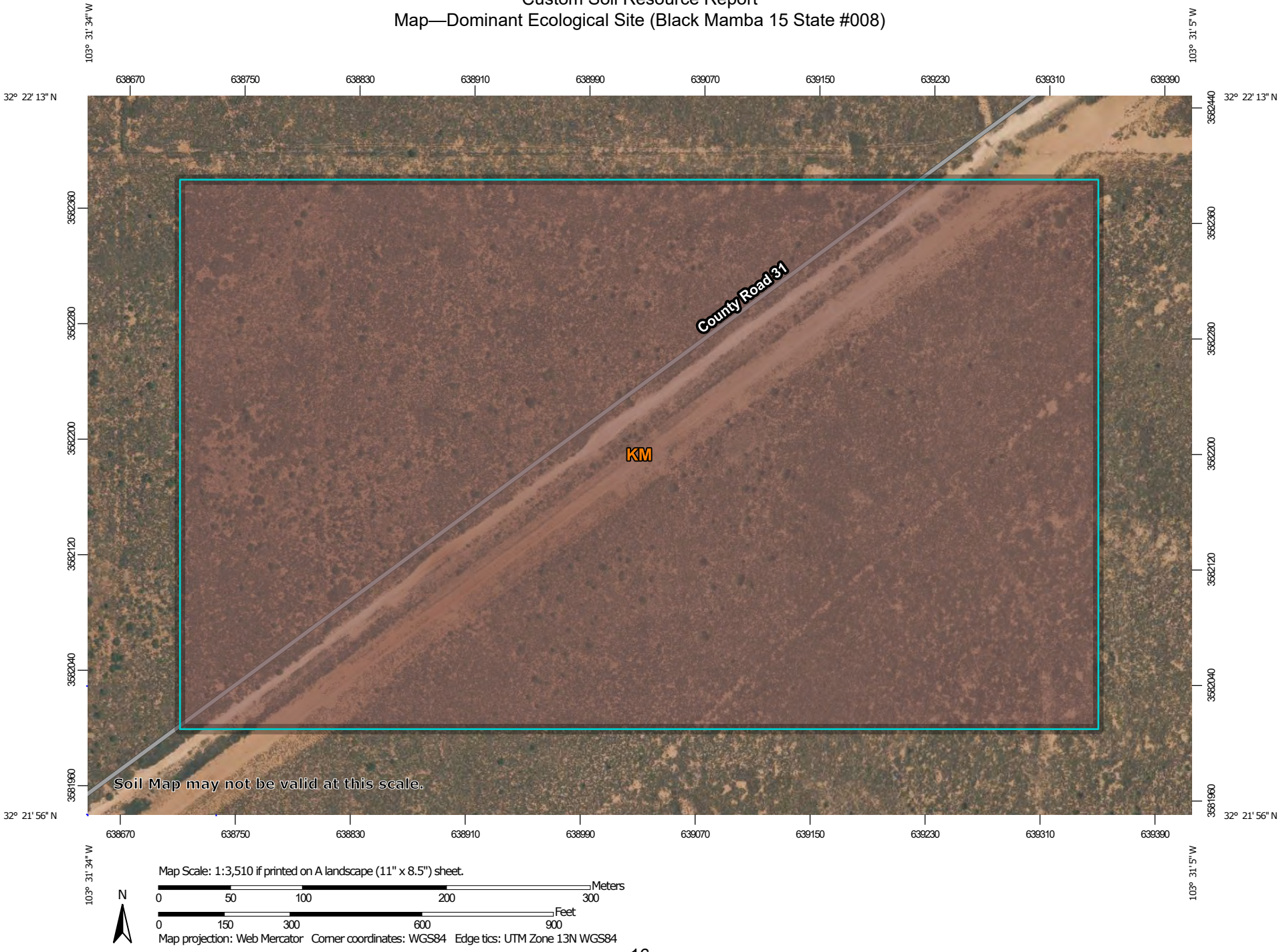
All Ecological Sites — (Black Mamba 15 State #008)

An "ecological site" is the product of all the environmental factors responsible for its development. It has characteristic soils that have developed over time; a characteristic hydrology, particularly infiltration and runoff, that has developed over time; and a characteristic plant community (kind and amount of vegetation). The vegetation, soils, and hydrology are all interrelated. Each is influenced by the others and influences the development of the others. For example, the hydrology of the site is influenced by development of the soil and plant community. The plant community on an ecological site is typified by an association of species that differs from that of other ecological sites in the kind and/or proportion of species or in total production.

An ecological site name provides a general description of a particular ecological site. For example, "Loamy Upland" is the name of a rangeland ecological site. An "ecological site ID" is the symbol assigned to a particular ecological site.

The map identifies the dominant ecological site for each map unit, aggregated by dominant condition. Other ecological sites may occur within each map unit. Each map unit typically consists of one or more components (soils and/or miscellaneous areas). Each soil component is associated with an ecological site. Miscellaneous areas, such as rock outcrop, sand dunes, and badlands, have little or no soil material and support little or no vegetation and therefore are not linked to an ecological site. The table below the map lists all of the ecological sites for each map unit component in your area of interest.

Custom Soil Resource Report
Map—Dominant Ecological Site (Black Mamba 15 State #008)



MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- R070BC022NM
- Not rated or not available

Soil Rating Lines
- R070BC022NM
- Not rated or not available

Soil Rating Points
- R070BC022NM
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 22, Sep 9, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Table—Ecological Sites by Map Unit Component (Black Mamba 15 State #008)

Map unit symbol	Map unit name	Component name (percent)	Ecological site	Acres in AOI	Percent of AOI
KM	Kermit soils and Dune land, 0 to 12 percent slopes	Kermit (46%)	R070BC022NM — Sandhills	60.3	100.0%
		Dune land (44%)			
		Palomas (3%)	R070BD003NM — Loamy Sand		
		Pyote (3%)	R070BD003NM — Loamy Sand		
		Maljamar (2%)	R070BD003NM — Loamy Sand		
		Wink (2%)	R070BD003NM — Loamy Sand		
Totals for Area of Interest				**60.3**	**100.0%**

References

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

National Research Council. 1995. Wetlands: Characteristics and boundaries.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577

Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580

Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.

United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.

United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374

United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

USDA Natural Resources Conservation Service

Ecological site R070BC022NM
Sandhills

Accessed: 12/09/2025

General information

Provisional. A provisional ecological site description has undergone quality control and quality assurance review. It contains a working state and transition model and enough information to identify the ecological site.

Figure 1. Mapped extent

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this ecological site to occur outside of highlighted areas if detailed soil survey has not been completed or recently updated.

Table 1. Dominant plant species

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

Physiographic features

This site occurs on plains. The soils are calcareous sandy eolian deposits derived from sedimentary rock. Land form of sand dunes or hillslopes. Slopes average 5 to 35 percent. Slopes are complex as the steeper slopes are shorter in length while the more gentle slopes are longer in length. Direction of slopes vary and is usually not significant. Elevations range from 2,842 to 4,500 feet.

Table 2. Representative physiographic features

Landforms	(1) Plain (2) Hill (3) Dune
Flooding frequency	None
Ponding frequency	None
Elevation	2,842–4,500 ft

Slope	5–35%
Aspect	Aspect is not a significant factor

Climatic features

The climate of the area is “semi-arid continental”. The average annual precipitation ranges from 8 to 13 inches. Variations of 5 inches, more or less, are common. Over 80 percent of the precipitation falls from April through October. Most of the summer precipitation comes in the form of high intensity – short duration thunderstorms. Temperatures are characterized by distinct seasonal changes and large annual and diurnal temperature changes. The average annual temperature is 61 degrees with extremes of 25 degrees below zero in the winter to 112 degrees in the summer. The average frost-free season is 180 to 220 days. The last killing frost is in late March or early April, and the first killing frost is in late October or early November. Temperature and rainfall both favor warm season perennial plant growth. In years of abundant spring moisture, annual forbs and cool season grasses can make up an important component of this site. Because of the texture of this soil, most rainfall is effective. Strong winds blow from the west and southwest from January through June which accelerates soil drying at a time for cool season plant growth.

Climate data was obtained from http://www.wrcc.sage.dri.edu/summary/climsmnm.html web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

Table 3. Representative climatic features

Frost-free period (average)	220 days
Freeze-free period (average)	240 days
Precipitation total (average)	13 in

Influencing water features

This site is not influenced by wetlands or streams.

Soil features

The soils of this site are deep and very deep. Surface textures are fine sand or loamy fine sand. Subsoilis a fine sand or loamy fine sand to a depth of 60 inches or more. These soils have less than 10 percent clay content. These soils are subject to severe wind erosion if vegetative cover is not adequate.

Minimum and maximum values listed below represent the characterist soils for this site.

Characteristic Soils Are:
Kermit
Aguena

Table 4. Representative soil features

Surface texture	(1) Fine sand (2) Loamy fine sand (3) Loamy sand
Family particle size	(1) Sandy
Drainage class	Well drained to excessively drained
Permeability class	Rapid to very rapid
Soil depth	60–72 in
Surface fragment cover <=3"	0–5%
Surface fragment cover >3"	0%
Available water capacity (0-40in)	3–9 in
Calcium carbonate equivalent (0-40in)	0–7%
Electrical conductivity (0-40in)	0–2 mmhos/cm
Sodium adsorption ratio (0-40in)	0–1
Soil reaction (1:1 water) (0-40in)	7.4–8.4
Subsurface fragment volume <=3" (Depth not specified)	0–5%
Subsurface fragment volume >3" (Depth not specified)	0%

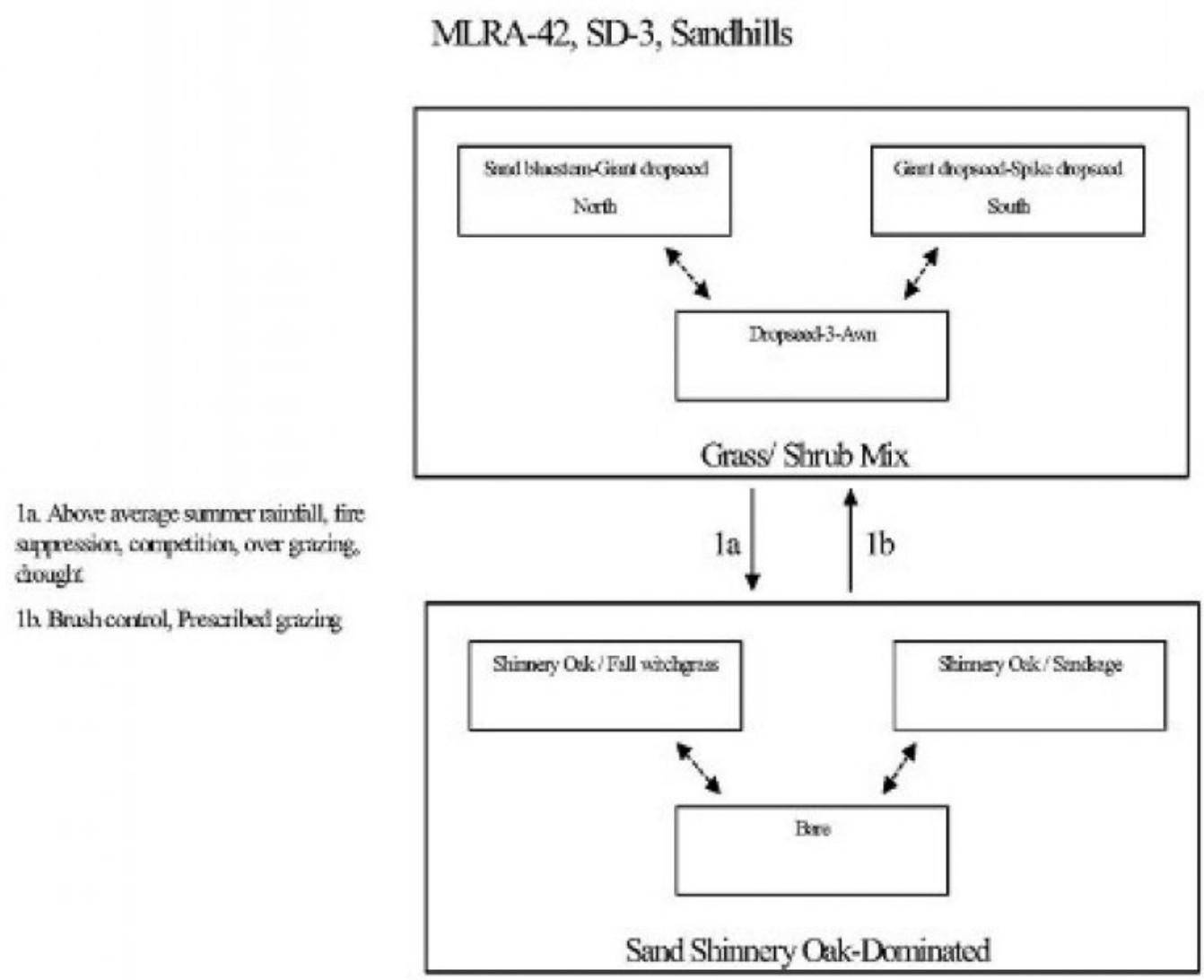
Ecological dynamics

Overview:
The Sandhills site occurs adjacent to or intergrades with the Deep Sand site. The Sandhills site is differentiated from deep sand sites by a steeper average slope, and an increased depth to a soil texture change. Sandhills slopes are usually greater than eight percent, and the soil profile is a fine sand or loamy fine sand to a depth greater than 60 inches. Deep Sand sites have slopes less than eight percent and a textural change can occur at less than 60 inches. The historic plant community of the Sandhills site is a mixture of grasses, shrubs and forbs, with tall grasses dominating in aspect. During years of abundant spring moisture, tall growing forbs occasionally reach aspect dominance.

Sand bluestem and giant dropseed are the dominant grasses, with Havard panicum and dropseeds as sub-dominants. Sand shinnery oak and soapweed yucca are the dominant shrubs. Drought favors shinnery by impacting grasses more severly. Shinnery oak's ability to store water and carbohydrates, and its strong negetive leaf water potential enable it to out compete grasses during drought conditions. Changes in historical fire regimes, competition by shrubs, and overgrazing may contribute to this site becoming dominated by sand shinnery oak.

State and transition model

Plant Communities and Transitional Pathways (diagram)



State 1
Grass/Shrub Mix

Community 1.1
Grass/Shrub Mix

Grass/Shrub Mix: The historic plant community in the northern part of the resource area (SD-3) is dominated by sand bluestem and giant dropseed, with Havard panicum as a sub-dominant. Primary grass dominance may gradually shift moving south across the resource area to a community dominated by giant dropseed and spike dropseed, with mesa dropseed as the sub-dominant grass species. Throughout the resource area sand shinnery oak and soapweed yucca are the dominant shrubs with sand sagebrush as the sub-dominant. As retrogression within this state occurs, plants such as sand bluestem, giant dropseed, Havard panicum, plains bristlegrass, sand paspalum, and fourwing saltbush decrease. This results in an increase in spike dropseed, sand dropseed, mesa dropseed, threeawns sand shinnery oak, and sand sagebrush. Continued loss of grass cover may result in a transition to a sand shinnery oak dominated state. Diagnosis: Sand bluestem or giant dropseed are dominant or present in substantial amounts. Spike dropseed, sand dropseed or mesa dropseed may be dominant in some instances. Grass cover is variable, shifting sands and large irregular dunes produce considerable variation in the spatial distribution and composition of the plant community. Grass cover is not continuous, but is fairly uniform across the more stable areas. Large natural bare areas or blowouts are a common feature on the less stable portions of the Sandhills site.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	High (Lb/Acre)
Grass/Grasslike	360	585	810
Shrub/Vine	120	195	270
Forb	120	195	270
Total	**600**	**975**	**1350**

Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	0%
Grass/grasslike foliar cover	10-15%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	20-25%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%

Bedrock	0%
Water	0%
Bare ground	45-60%

Figure 5. Plant community growth curve (percent production by month). NM2822, R042XC022NM Sandhills HCPC. R042XC022NM Sandhills HCPC warm season plant community.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	1	3	4	10	10	25	30	12	5	0	0

State 2
Sand Shinnery Oak-Dominated

Community 2.1
Sand Shinnery Oak-Dominated

Additional States: Sand Shinnery Oak -Dominated: Sand shinnery oak is the dominant species and in dense stands may reduce forage production by as much as 90 percent.1 It often forms a mosaic of dense thickets interspersed with occasional motts of taller oaks, large areas of bare ground, and concentrations of sand sagebrush. Sand shinnery oak is well suited to deep sandy soils. The height and cover of oak decreases as sand depth decreases or clay content increases. The aggressive nature of fall witchgrass and continued loss of more palatable grasses and threeawn species may result in a sand shinnery oak-fall witchgrass community. Burning may result in a community with very little grass or sand shinnery oak (bare). Sand shinnery oak usually recovers due to its ability to sprout aggressively following fire. Diagnosis: Sand shinnery oak is the dominant species. Grass cover is sparse and patchy. Shrub cover is high. Blowouts and bare areas are common, however, high shrub cover mediates erosion. Transition to Sand Shinnery Oak Dominated (1a): Climate may play a role in facilitating the spread sand shinnery oak. It is best adapted to those areas that receive and average of 16 inches of annual rainfall; it may therefore gain a competitive advantage during cycles of above average precipitation. Sand shinnery oak spreads mainly by elongation of rhizomes, but in some instances will reproduce by seed. The establishment and survival of seedlings is limited to those years with abundant rainfall during the months of July and August. If fire historically played a part in suppressing the density and distribution of shrubs in desert grasslands, then fire suppression may facilitate a shift to shrub dominance.2 Competition for resources between grasses and shrubs may be a factor in increased densities of sand shinnery oak. 1 Sand shinnery oak has an extensive system of underground roots and stems that can uptake and store water for growth during drier periods, allowing it to increase, at times when grasses decrease. Evidence of competitive suppression of grasses is indicated by increases in herbaceous vegetation following chemical control of sand shinnery oak.1 However, this increase may in part be due to a flush of nutrients made available from the decomposing biomass of woody roots and stems. Loss of grass cover due to overgrazing

or drought may give a competitive advantage to sand shinnery oak. Key indicators of approach to transition: * A decrease in the tall grass species and the associated increase in threeawns may be indicative of the initial stage of transition to a shrub-dominated state. * Increased cover of sand shinnery oak. Transition back to Grass/Shrub Mix (1b) Chemical brush control is an effective means of controlling sand shinnery oak and sand sagebrush. Where large areas of chemical control are planned, increased erosion and the effect on loss of wildlife habitat should be considered. Prescribed grazing will help ensure an adequate deferment period to allow grass recovery and subsequent proper forage utilization. There have been studies that suggest long term browsing by goats can reduce sand shinnery oak, altering production in favor of grasses.3

Additional community tables

Table 7. Community 1.1 plant community composition

Group	Common Name	Symbol	Scientific Name	Annual Production (Lb/Acre)	Foliar Cover (%)
Grass/Grasslike					
1				195–293	
	sand bluestem	ANHA	*Andropogon hallii*	195–293	–
	Havard's panicgrass	PAHA2	*Panicum havardii*	195–293	–
	giant dropseed	SPGI	*Sporobolus giganteus*	195–293	–
2				146–195	
	spike dropseed	SPCO4	*Sporobolus contractus*	146–195	–
	sand dropseed	SPCR	*Sporobolus cryptandrus*	146–195	–
	mesa dropseed	SPFL2	*Sporobolus flexuosus*	146–195	–
3				49–98	
	thin paspalum	PASE5	*Paspalum setaceum*	49–98	–
	plains bristlegrass	SEVU2	*Setaria vulpiseta*	49–98	–
4				29–49	
	threeawn	ARIST	*Aristida*	29–49	–
	mat sandbur	CELO3	*Cenchrus longispinus*	29–49	–
	flatsedge	CYPER	*Cyperus*	29–49	–
5				29–49	
	Grass, perennial	2GP	*Grass, perennial*	29–49	–
Shrub/Vine					
6				49–98	
	Havard oak	QUHA3	*Quercus havardii*	49–98	–
7				49–98	

7				49–98	
	soapweed yucca	YUGL	*Yucca glauca*	49–98	–
8				29–49	
	sand sagebrush	ARFI2	*Artemisia filifolia*	29–49	–
9				20–49	
	fourwing saltbush	ATCA2	*Atriplex canescens*	20–49	–
10				20–49	
	rabbitbrush	CHRYS9	*Chrysothamnus*	20–49	–
11				20–49	
	Shrub (>.5m)	2SHRUB	*Shrub (>.5m)*	20–49	–
Forb					
12				20–49	
	featherplume	DAFO	*Dalea formosa*	20–49	–
13				29–49	
	sundrops	CALYL	*Calylophus*	29–49	–
	phlox heliotrope	HECO5	*Heliotropium convolvulaceum*	29–49	–
	sharpleaf penstemon	PEAC	*Penstemon acuminatus*	29–49	–
14				20–49	
	touristplant	DIWI2	*Dimorphocarpa wislizeni*	20–49	–
	lemon beebalm	MOCI	*Monarda citriodora*	20–49	–
16				29–49	
	hymenopappus	HYMEN4	*Hymenopappus*	29–49	–
	blazingstar	MENTZ	*Mentzelia*	29–49	–
	threadleaf ragwort	SEFLF	*Senecio flaccidus var. flaccidus*	29–49	–
17				20–49	
	sunflower	HELIA3	*Helianthus*	20–49	–
18				20–49	
	buckwheat	ERIOG	*Eriogonum*	20–49	–
19				20–49	
	Forb (herbaceous, not grass nor grass-like)	2FORB	*Forb (herbaceous, not grass nor grass-like)*	20–49	–

Animal community

This site provides habitat which support a resident animal community that is characterized by pronghorn antelope, black-tailed jackrabbit, Ord's kangaroo rat, Northern grasshopper mouse, Southern Plains woodrat, swift fox, roadrunner, meadowlark, lark bunting, ferruginous hawk, lesser prairie chicken, mourning dove, scaled quail, sand dune lizard, marbled whiptail, ornate box turtle, bullsnake and Western diamondback rattlesnake. Grasshopper and vesper sparrows utilize the site during migration. The ferruginous hawk sometimes nests on dunes associated with the site. White-tailed deer are also sometimes associated with this site (Mescalero Sands). Where mesquite invades, resident species of birds such as white-necked raven, roadrunner, pyrrhuloxia, mourning dove, and Harris hawk nest. Where sand hummocks form around shrubs, rodent populations and their predators increase. Fourwing saltbush, shinnery oak, sand sagebrush, and mesquite provide protective cover for scaled quail. Seed, green herbage, and fruit from a variety of grasses, forbs, and shrubs provide food for a number of birds and mammals, including mourning dove, scaled quail, lessor prairie chicken and antelope.

Hydrological functions

The runoff curve numbers are determined by field investigations using hydrolic cover conditions and hydrologic soil groups.

Hydrologic Interpretations
Soil Series------- Hydrologic Group
Kermit---------- A
Aguena---------- A

Recreational uses

This site offers recreation potential for hiking, horseback riding, nature observation and photography. This site also offers opportunities for hunting of such species as quail, dove and antelope.

Mechanical, off-road vehicle use by dune buggies, four wheelers, or motor bikes is site-destructive, resulting in severe soil movement by wind erosion. Off-road vehicle use should be confined to those areas which are already deterioriated and where intensive management for soil protection can be practiced.

During years of abundant spring moisture, this site desplays a colorful array of wildflowers during May and June. A few showy summer and fall flowers also occur.

Wood products

The plant community associated with this site affords little or no wood products.

Other products

This site is suitable for grazing during all seasons of the year by all kinds and classes of livestock. Where shinnery oak has increased considerably above the amount in the potential plant community cattle loss can occur if grazed during the late bud and early leaf stage. This site responds well to an integrated brush management and grazing management. Brush management is inappropriate in occupied or potential habitat for sand dune lizard. Mismannagement of this site will cause a decrease in Harvard panicum, sand bluestem, giant dropseed, plains bristlegrass, sand paspalum and fourwing saltbush. There will be a corresponding increase in dropseeds, sand sagebrush and shinnery oak. When shinnery oak is not a problem, this site responds best to a system of mangement that rotates the season of use. Grazing management plans should be design to leave adequate residual cover for lesser prairie chicken nesting.

Other information

Guide to Suggested Initial Stocking Rate Acres per Animal Unit Month
Similarity Index----- Ac/AUM
100 - 76---------- 2.0 – 4.0
75 – 51---------- 3.0 – 6.5
50 – 26---------- 5.0 – 12.0
25 – 0---------- 12.0 - +

Inventory data references

Data collection for this site was done in conjunction with the progressive soil surveys within the Southern Desertic Basins, Plains and Mountains (SD-3) Major Land Resource Area of New Mexico. This site has been mapped and correlated with soils in the following soil surveys: South Chaves, Eddy, Lea and Otero Counties.

Other references

Literature Cited:

1. Sears, W.E., C.M. Britton, D.B. Wester, and R.D. Pettit. 1986. Herbicide conversion of a sand shinnery oak (Quercus havardii) community: effects on biomass. J. Range. Manage. 39: 399-403.

2. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory (2002, September). Fire Effects Information System, [Online]. Available: http://www.fs.fed.us/database/feis/ [accessed 1/07/02].

3.Villena, F. and J.A. Pfister. 1990. Sand shinnery oak as forage for Angora and Spanish goats. J. Range. Manage. 43: 116-122.

Contributors

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Rangeland health reference sheet

Interpreting Indicators of Rangeland Health is a qualitative assessment protocol used to determine ecosystem condition based on benchmark characteristics described in the Reference Sheet. A suite of 17 (or more) indicators are typically considered in an assessment. The ecological site(s) representative of an assessment location must be known prior to applying the protocol and must be verified based on soils and climate. Current plant community cannot be used to identify the ecological site.

Author(s)/participant(s)	
Contact for lead author	
Date	
Approved by	
Approval date	
Composition (Indicators 10 and 12) based on	Annual Production

Indicators

1. **Number and extent of rills:**

   _____

2. **Presence of water flow patterns:**

   _____

3. **Number and height of erosional pedestals or terracettes:**

   _____

4. **Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground):**

   _____

5. **Number of gullies and erosion associated with gullies:**

   _____

6. **Extent of wind scoured, blowouts and/or depositional areas:**

---

7. **Amount of litter movement (describe size and distance expected to travel):**

---

8. **Soil surface (top few mm) resistance to erosion (stability values are averages - most sites will show a range of values):**

---

9. **Soil surface structure and SOM content (include type of structure and A-horizon color and thickness):**

---

10. **Effect of community phase composition (relative proportion of different functional groups) and spatial distribution on infiltration and runoff:**

---

11. **Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction on this site):**

---

12. **Functional/Structural Groups (list in order of descending dominance by above-ground annual-production or live foliar cover using symbols: >>, >, = to indicate much greater than, greater than, and equal to):**

    Dominant:

    Sub-dominant:

    Other:

    Additional:

---

13. **Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence):**

---

14. **Average percent litter cover (%) and depth (in):**

---

15. **Expected annual annual-production (this is TOTAL above-ground annual-production, not just forage annual-production):**

---

16. **Potential invasive (including noxious) species (native and non-native). List species which BOTH characterize degraded states and have the potential to become a dominant or co-dominant species on the ecological site if their future establishment and growth is not actively controlled by management interventions. Species that become dominant for only one to several years (e.g., short-term response to drought or wildfire) are not invasive plants. Note that unlike other indicators, we are describing what is NOT expected in the reference state for the ecological site:**

---

17. **Perennial plant reproductive capability:**

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Lea County, New Mexico

October 30, 2025

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

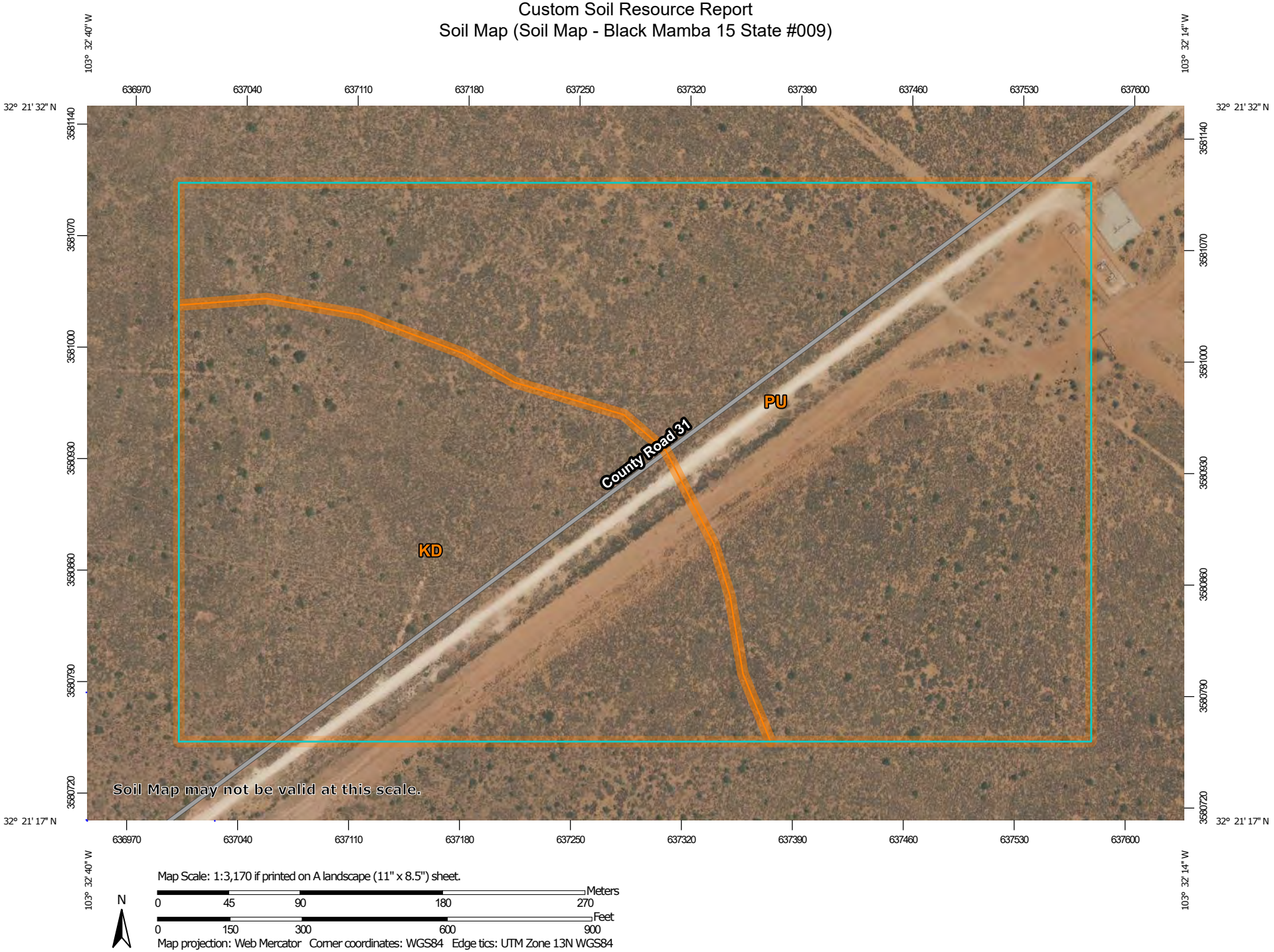
After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map (Soil Map - Black Mamba 15 State #009)



MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 22, Sep 9, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend (Soil Map - Black Mamba 15 State #009)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KD	Kermit-Palomas fine sands, 0 to 12 percent slopes	20.4	40.7%
PU	Pyote and Maljamar fine sands	29.7	59.3%
Totals for Area of Interest		**50.1**	**100.0%**

Map Unit Descriptions (Soil Map - Black Mamba 15 State #009)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or

landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Lea County, New Mexico

KD—Kermit-Palomas fine sands, 0 to 12 percent slopes

Map Unit Setting

National map unit symbol: dmpv
Elevation: 3,000 to 4,400 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 70 percent
Palomas and similar soils: 20 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Dunes
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex
Parent material: Calcareous sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: fine sand
C - 8 to 60 inches: fine sand

Properties and qualities

Slope: 3 to 12 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

Description of Palomas

Setting

Landform: Dunes

Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex
Parent material: Alluvium derived from sandstone

Typical profile

A - 0 to 16 inches: fine sand
Bt - 16 to 60 inches: sandy clay loam
Bk - 60 to 66 inches: sandy loam

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 50 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Moderate (about 7.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Pyote

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Maljamar

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Palomas

Percent of map unit: 1 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Dune land

Percent of map unit: 1 percent
Hydric soil rating: No

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent
Maljamar and similar soils: 44 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pyote

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand
Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A

Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Maljamar

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent
Ecological site: R070BC022NM - Sandhills
Hydric soil rating: No

Soil Information for All Uses

Ecological Sites

Individual soil map unit components can be correlated to a particular ecological site. The Ecological Site Assessment section includes ecological site descriptions, plant growth curves, state and transition models, and selected National Plants database information.

All Ecological Sites — (Soil Map - Black Mamba 15 State #009)

An "ecological site" is the product of all the environmental factors responsible for its development. It has characteristic soils that have developed over time; a characteristic hydrology, particularly infiltration and runoff, that has developed over time; and a characteristic plant community (kind and amount of vegetation). The vegetation, soils, and hydrology are all interrelated. Each is influenced by the others and influences the development of the others. For example, the hydrology of the site is influenced by development of the soil and plant community. The plant community on an ecological site is typified by an association of species that differs from that of other ecological sites in the kind and/or proportion of species or in total production.

An ecological site name provides a general description of a particular ecological site. For example, "Loamy Upland" is the name of a rangeland ecological site. An "ecological site ID" is the symbol assigned to a particular ecological site.

The map identifies the dominant ecological site for each map unit, aggregated by dominant condition. Other ecological sites may occur within each map unit. Each map unit typically consists of one or more components (soils and/or miscellaneous areas). Each soil component is associated with an ecological site. Miscellaneous areas, such as rock outcrop, sand dunes, and badlands, have little or no soil material and support little or no vegetation and therefore are not linked to an ecological site. The table below the map lists all of the ecological sites for each map unit component in your area of interest.

Custom Soil Resource Report

Map—Dominant Ecological Site (Soil Map - Black Mamba 15 State #009)

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- R070BD003NM
- R070BD005NM
- Not rated or not available

Soil Rating Lines
- R070BD003NM
- R070BD005NM
- Not rated or not available

Soil Rating Points
- R070BD003NM
- R070BD005NM
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 22, Sep 9, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Table—Ecological Sites by Map Unit Component (Soil Map - Black Mamba 15 State #009)

Map unit symbol	Map unit name	Component name (percent)	Ecological site	Acres in AOI	Percent of AOI
KD	Kermit-Palomas fine sands, 0 to 12 percent slopes	Kermit (70%)	R070BD005NM — Deep Sand	20.4	40.7%
		Palomas (20%)	R070BD003NM — Loamy Sand		
		Maljamar (4%)	R070BD003NM — Loamy Sand		
		Pyote (4%)	R070BD003NM — Loamy Sand		
		Dune land (1%)			
		Palomas (1%)	R070BD003NM — Loamy Sand		
PU	Pyote and Maljamar fine sands	Pyote (46%)	R070BD003NM — Loamy Sand	29.7	59.3%
		Maljamar (44%)	R070BD003NM — Loamy Sand		
		Kermit (10%)	R070BC022NM — Sandhills		
Totals for Area of Interest				**50.1**	**100.0%**

References

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

National Research Council. 1995. Wetlands: Characteristics and boundaries.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577

Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580

Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.

United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.

United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374

United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

USDA Natural Resources Conservation Service

Ecological site R070BD005NM
Deep Sand

Accessed: 11/25/2025

General information

Provisional. A provisional ecological site description has undergone quality control and quality assurance review. It contains a working state and transition model and enough information to identify the ecological site.

Figure 1. Mapped extent

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this ecological site to occur outside of highlighted areas if detailed soil survey has not been completed or recently updated.

Table 1. Dominant plant species

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

Physiographic features

This site occurs on terraces, Piedmonts, dunes fields, or upland plains. Parent material consists of eolian deposits and alluvium derived from sandstone. Slopes range from 0 to 15 percent, usually less than 5 percent. Low, stabilized hummocks or dunes frequently occur. Elevations range from 2,842 to 4,500 feet.

Table 2. Representative physiographic features

Landforms	(1) Dune (2) Parna dune (3) Terrace
Flooding frequency	None
Ponding frequency	None
Elevation	2,842–4,500 ft

Slope	0–15%
Aspect	Aspect is not a significant factor

Climatic features

The average annual precipitation ranges from 8 to 13 inches. Variations of 5 inches, more or less, are common. Over 80 percent of the precipitation falls from April through October. Most of the summer precipitation comes in the form of high intensity – short duration thunderstorms.
Temperatures are characterized by distinct seasonal changes and large annual and diurnal temperature changes. The average annual temperature is 61 degrees with extremes of 25 degrees below zero in the winter to 112 degrees in the summer.
The average frost-free season is 207 to 220 days. The last killing frost is in late March or early April, and the first killing frost is in late October or early November.
Both temperature and moisture favor warm season perennial plant growth. During years of abundant winter and early spring moisture, cool season growth and annual forbs, make up an important component of this site. Strong winds blow from the west from January through June, which accelerates soil drying during a critical period for cool season plant growth.

Climate data was obtained from http://www.wrcc.sage.dri.edu/summary/climsmnm.html web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

Table 3. Representative climatic features

Frost-free period (average)	221 days
Freeze-free period (average)	240 days
Precipitation total (average)	13 in

Influencing water features

This site is not influenced from water from wetlands or streams.

Soil features

Soils are deep or very deep. Surface textures are sand loam, fine sand or loamy fine sand, Underlying material textures are loamy fine sand, fine sand, sand or fine sandy loam. Because of the coarse textures and rapid drying of the surface, the soil, if unprotected by plant cover and organic residue, becomes windblown and low hummocks or dunes are formed around shrubs.

Characteristic soils are:
Anthony
Aguena
Kermit
Likes
Pintura
Bluepoint

Table 4. Representative soil features

Surface texture	(1) Sand (2) Fine sand (3) Loamy fine sand
Family particle size	(1) Sandy
Drainage class	Well drained to excessively drained
Permeability class	Moderate to very rapid
Soil depth	60–72 in
Surface fragment cover <=3"	0–5%
Surface fragment cover >3"	0%
Available water capacity (0-40in)	3–5 in
Calcium carbonate equivalent (0-40in)	5–15%
Electrical conductivity (0-40in)	0–4 mmhos/cm
Sodium adsorption ratio (0-40in)	0–2
Soil reaction (1:1 water) (0-40in)	6.6–7.8
Subsurface fragment volume <=3" (Depth not specified)	5–10%
Subsurface fragment volume >3" (Depth not specified)	0%

Ecological dynamics

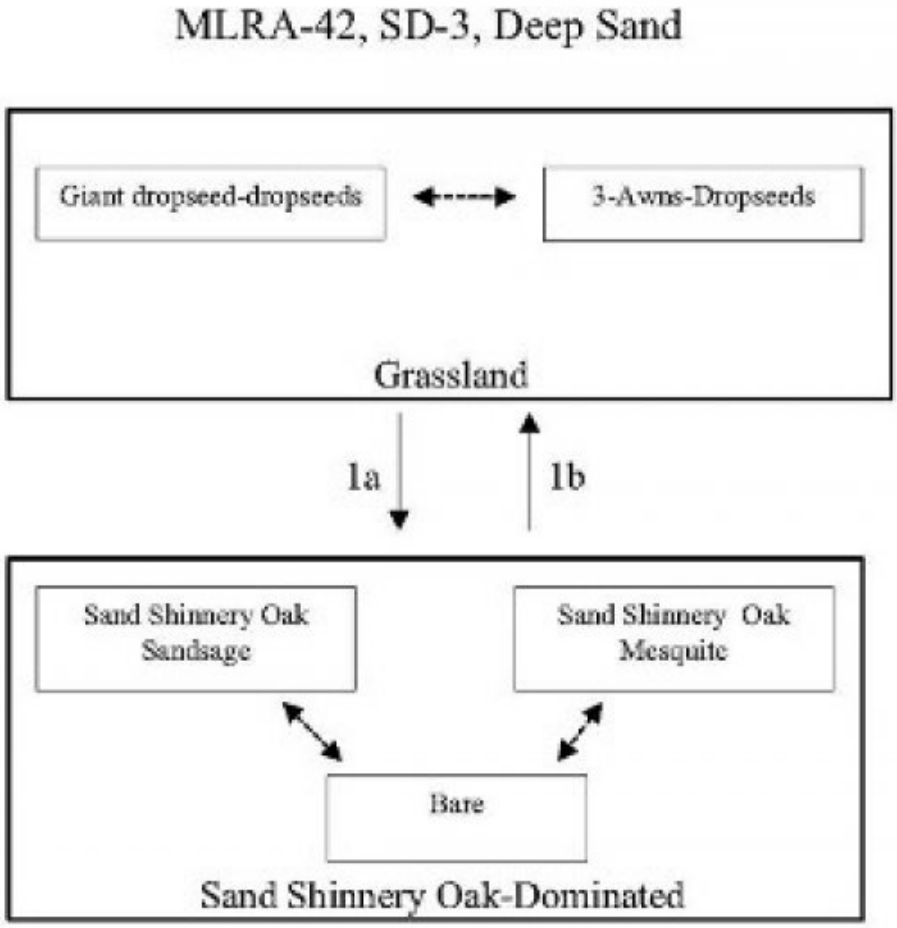
Overview

The Deep Sand site occurs adjacent to and/or intergraded with the Sandhills and Sandy sites (SD-3). The Deep Sand site can be distinguished by slopes less than eight percent

(approximately five percent) and textural changes at depths greater than 40 inches. The Deep Sand site has well drained soils with a surface texture of sand or loamy fine sand. The Sandhills site has slopes greater than eight percent and textural depths greater than 60 inches. Conversely, the Sandy site has slopes less than five percent and depths to textural change commonly around 20 inches. The historic plant community of the Deep Sand site is dominated primarily by giant dropseed (*Sporobolus giganteus*) and other dropseeds (*S. flexuosus*, *S. contractus*, *S. cryptandrus*), with scattered shinnery oak (*Quercus havardii*) and soapweed yucca (*Yucca glauca*). Other herbaceous species include threeawns (Aristida spp.), bluestems (*Schizachyrium scoparium* and *Andropogon hallii*), and annual and perennial forbs distributed relative to precipitation occurrences. Bare ground and litter compose a significant proportion of ground cover while grasses are the remainder. Shinnery oak will increase with an associated decrease in dropseed and bluestem abundance possibly due to climatic change, fire suppression, interspecific competition, and excessive grazing. Continued grass cover loss may result in a transition to a shinnery oak dominated state with increases in sand sage (*Artemisia filifolia*) and honey mesquite (*Prosopis glandulosa*). However, brush management may restore the grassland component and reverse the shinnery oak state back toward the historic plant community.

State and transition model

Plant Communities and Transitional Pathways (diagram)



1.a Climate, fire suppression, competition, over grazing

1.b Brush control, Prescribed grazing

State 1

Historic Climax Plant Community

Community 1.1
Historic Climax Plant Community

State Containing Historic Plant Community Grassland: The historic plant community is dominated by giant dropseed, other dropseeds, threeawns, and bluestems. Dominant woody plants include shinnery oak and soapweed yucca. Forb abundance and distribution varies and is dependent on annual rainfall. The Deep Sand site typically exists in sandy plains and dunes (Sosebee 1983). Grass dominance stabilizes the potentially erosive sandy soils. Historical fire suppression, however, may have contributed to increased woody plant abundance, which has reduced grass species. Further, drought conditions compounded with excessive grazing likely has driven most grass species out of competition with shrubs which has resulted in a shinnery oak dominated state with sand sage and mesquite (Young et al. 1948). Diagnosis: Grassland dominated by dropseeds, threeawns, and bluestems. Small shrubs, such as shinnery oak and soapweed yucca, and subshrubs are dispersed throughout the grassland. Other grasses that could appear on this site would include: flatsedge, almejita signalgrass, big bluestem, Indiangrass, fall witchgrass, hairy grama and red lovegrass Other shrubs include: fourwing saltbush, mesquite, ephedra and broom snakeweed. Other forbs include: wooly and scarlet gaura, wooly dalea, phlox heliotrope, scorpionweed, deerstongue, fleabane, nama, hoffmanseggia, lemon beebalm and stickleaf.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	High (Lb/Acre)
Grass/Grasslike	396	858	1320
Shrub/Vine	108	234	360
Forb	96	208	320
Total	**600**	**1300**	**2000**

Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	0%
Grass/grasslike foliar cover	15-20%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	35-40%
Surface fragments >0.25" and <=3"	0%

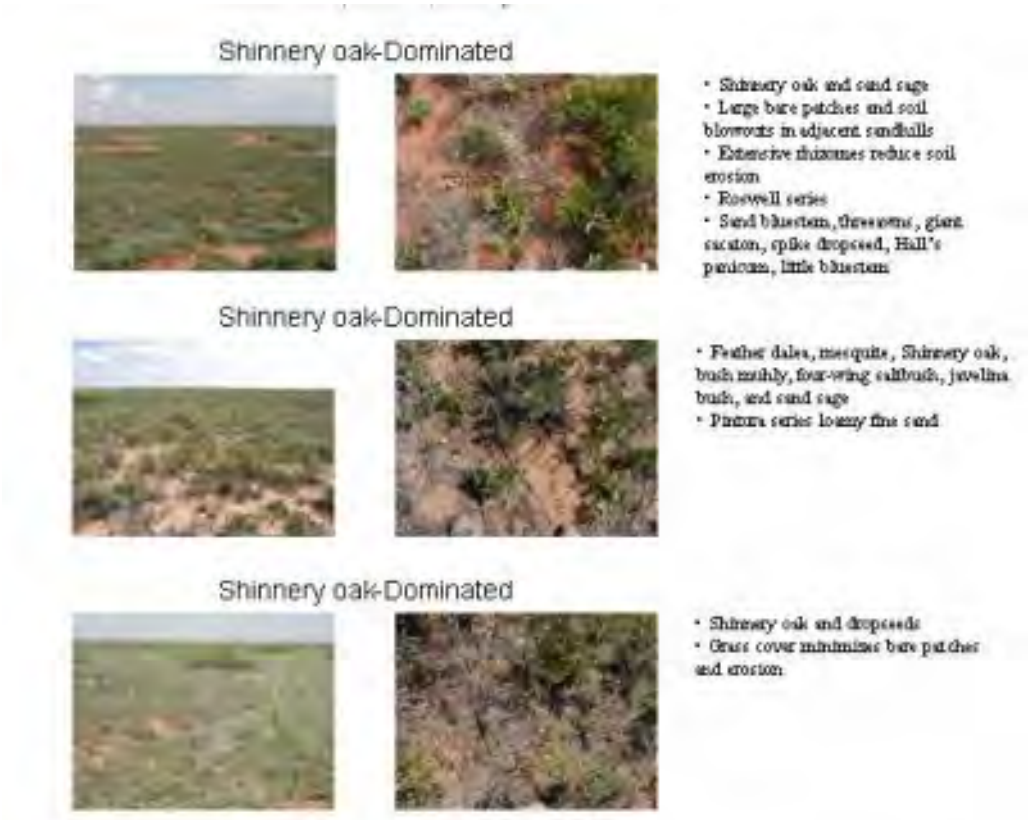
Surface fragments >3"	0%
Bedrock	0%
Water	0%
Bare ground	35-40%

Figure 5. Plant community growth curve (percent production by month). NM2805, HCPC. SD-3 Deep Sand - Warm season plant community .

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	3	5	10	10	25	30	12	5	0	0

State 2
Shinnery Oak Dominated

Community 2.1
Shinnery Oak Dominated



Shinnery Oak Dominated: This state is dominated by shinnery oak with subdominants of sand sage or mesquite. Bare ground is a significant component in this state as well. shinnery oak is characterized by dense stands in sandy soils; however, as clay percentage increases, shinnery oak decreases. Shinnery oak abundance and distribution increase with disturbances, such as excessive grazing and fire, due to an aggressive rhizome system. As shinnery oak abundance increases, an associated increase of mesquite, sand sage, and soapweed yucca also occurs. Shinnery oak's extensive root system allows the oak to competitively exclude grasses and forbs. Sand sage, however, stabilizes light sandy soils from wind erosion and can co-exist with herbaceous species by protecting them in heavily grazed conditions (Davis and Bonham 1979). Shinnery oak has been found primarily in very deep, excessively drained, and rapidly permeable soils. Shinnery oak is associated with landforms which are gently undulating to rolling uplands, very gently sloping to moderately steep slopes, and upland plains, alluvial fans and valley sideslopes. Shinnery oak and sand sage can be controlled with herbicide if applied in the spring with a subsequent rest from grazing (Herbel et al. 1979, Pettit 1986). In addition, repetitive seasons of goat browsing can also reduce shinnery oak abundance. Patches should be maintained during brush control, however, to prevent erosion and to provide wildlife cover and forage. Further, as shinnery oak and other shrubs increase, bare patches and erosion will increase due to a lack of herbaceous ground cover. Diagnosis: Shinnery oak dominated with subdominant sand sage, honey mesquite, and soapweed yucca with increasing frequency and size of bare patches. Transition to Shinnery oak dominated state (1a): The historic plant community begins to shift toward the shinnery oak dominated state as drivers such as climate change, fire suppression, interspecific competition, and excessive grazing contribute to alterations in soil properties and herbaceous cover. Cover loss and surface soil erosion are initial indicators of transition followed by an increase of shrub species abundance and bare patch expansion. Key indicators of approach to transition: • Loss of grass and forb cover • Surface soil erosion • Bare patch expansion • Increased shrub species abundance and composition Transition to Historic Plant Community (1b): The shinnery oak dominated state may transition back toward the historic plant community as new drivers are introduced such as prescribed grazing, brush control, and discontinued drought conditions.

Additional community tables

Table 7. Community 1.1 plant community composition

Group	Common Name	Symbol	Scientific Name	Annual Production (Lb/Acre)	Foliar Cover (%)
Grass/Grasslike					
1	**Warm Season**			450–585	
	spike dropseed	SPCO4	*Sporobolus contractus*	450–585	–
	sand dropseed	SPCR	*Sporobolus cryptandrus*	450–585	–
	mesa dropseed	SPFL2	*Sporobolus flexuosus*	450–585	–

	giant dropseed	SPGI	*Sporobolus giganteus*	450–585	–
2	**Warm Season**			65–104	
	sand bluestem	ANHA	*Andropogon hallii*	65–104	–
	little bluestem	SCSC	*Schizachyrium scoparium*	65–104	–
3	**Warm Season**			39–91	
	threeawn	ARIST	*Aristida*	39–91	–
4	**Warm Season**			13–39	
	thin paspalum	PASE5	*Paspalum setaceum*	13–39	–
5	**Warm Season**			13–39	
	black grama	BOER4	*Bouteloua eriopoda*	13–39	–
6	**Warm Season**			13–39	
	mat sandbur	CELO3	*Cenchrus longispinus*	13–39	–
7	**Warm Season**			13–39	
	Havard's panicgrass	PAHA2	*Panicum havardii*	13–39	–
8	**Warm Season**			13–65	
	plains bristlegrass	SEVU2	*Setaria vulpiseta*	13–65	–
9	**Other Annual Grasses**			13–65	
	Grass, annual	2GA	*Grass, annual*	13–65	–
Shrub/Vine					
10	**Shrub**			65–130	
	Havard oak	QUHA3	*Quercus havardii*	65–130	–
11	**Shrub**			13–39	
	sand sagebrush	ARFI2	*Artemisia filifolia*	13–39	–
12	**Shrub**			65–130	
	yucca	YUCCA	*Yucca*	65–130	–
13	**Shrub**			13–39	
	rabbitbrush	CHRYS9	*Chrysothamnus*	13–39	–
14	**Other Shrubs**			13–39	
	Shrub (>.5m)	2SHRUB	*Shrub (>.5m)*	13–39	–
Forb					
15	**Forb**			39–91	
	croton	CROTO	*Croton*	39–91	–
	Indian blanket	GAPU	*Gaillardia pulchella*	39–91	–

16	**Forb**			39–91	
	aster	ASTER	*Aster*	39–91	–
	whitest evening primrose	OEAL	*Oenothera albicaulis*	39–91	–
	beardtongue	PENST	*Penstemon*	39–91	–
17	**Forb**			39–91	
	touristplant	DIWI2	*Dimorphocarpa wislizeni*	39–91	–
	buckwheat	ERIOG	*Eriogonum*	39–91	–
	sunflower	HELIA3	*Helianthus*	39–91	–
	spiny false fiddleleaf	HYSP	*Hydrolea spinosa*	39–91	–
	threadleaf ragwort	SEFLF	*Senecio flaccidus var. flaccidus*	39–91	–
18	**Other Forbs**			13–65	
	Forb (herbaceous, not grass nor grass-like)	2FORB	*Forb (herbaceous, not grass nor grass-like)*	13–65	–

Animal community

This site provides habitat which supports a resident animal population characterized by pronghorn, antelope, black-tailed jackrabbit, spotted ground squirrel, Ord's kangaroo rat, northern grasshopper mouse, southern plains woodrat, badger, meadowlark, roadrunner, white-necked raven, cactus wren, lesser prairie chicken, morning dove, scaled quail, Harris hawk, side blotched lizard, marbled whiptail, Texas horned lizard, western diamondback rattlesnake and ornate box turtle. In the area called Mescalero Sands, there are white-tailed and mule deer.

Hydrological functions

The runoff curve numbers are determined by field investigations using hydraulic cover conditions and hydrologic soil groups.
Hydrologic Interpretations
Soil Series Hydrologic Group
Anthony B
Bluepoint A
Kermit A
Aguena A
Likes A
Pintura A

Recreational uses

This site offers limited recreation potential for hiking, horseback riding, nature observation

and photography; game bird, predator, antelope, and deer hunting.

Wood products

This site has no potential for wood products.

Other products

This site is suitable for grazing by all kinds and classes of livestock during all seasons of the year. Shinnery oak is toxic in the late bud or early leaf stage. Shinnery oak will increase, as will sand sagebrush following drought. Changes in the fire return interval have also favored an increase in shrub cover. The dropseeds and bluestem will decrease. This site responds very well to brush manangement and deferment. This site is well suited to a grazing system that rotates the season of use. Nesting habitat for lesser prairie chicken can be improved by providing residual cover that is at least 14 inches high.

Other information

Guide to Suggested Initial Stocking Rate Acres per Animal Unit Month

Similarity Index Ac/AUM
100 - 76 2.0 – 3.8
75 – 51 3.0 – 6.0
50 – 26 5.0 – 10.0
25 – 0 10.1 +

Inventory data references

Other References:
Data collection for this site was done in conjunction with the progressive soil surveys within the Southern Desertic Basins, Plains and Mountains, Major Land Resource Areas of New Mexico. This site has been mapped and correlated with soils in the following soil surveys. Eddy County, Lea County, and Chaves County.

Other references

Literature Cited

Davis, Joseph H., III and Bonham, Charles D. 1979. Interference of sand sagebrush canopy with needleandthread. Journal of Range Management 32(5):384-386.

Herbel, C. H, Steger, R, Gould, W. L. 1974. Managing semidesert ranges of the Southwest. Circular 456. Las Cruces, NM: New Mexico State University, Cooperative Extension Service. 48 p.

Pettit, Russell D. 1986. Sand shinnery oak: control and management. Management Note 8. Lubbock, TX: Texas Tech University, College of Agricultural Sciences, Department of Range and Wildlife Management. 5 p.

Sosebee, Ronald E. 1983. Physiological, phenological, and environmental considerations in brush and weed control. In: McDaniel, Kirk C., ed. Proceedings--brush management symposium; 1983 February 16; Albuquerque, NM. Denver, CO: Society for Range Management: 27-43.

Young, Vernon A., Anderwald, Frank R.,McCully, Wayne G. 1948. Brush problems on Texas ranges. Miscellaneous Publication 21. College Station, TX: Texas Agricultural Experiment Station. 19 p.

Contributors

Don Sylvester
Quinn Hodgson

Rangeland health reference sheet

Interpreting Indicators of Rangeland Health is a qualitative assessment protocol used to determine ecosystem condition based on benchmark characteristics described in the Reference Sheet. A suite of 17 (or more) indicators are typically considered in an assessment. The ecological site(s) representative of an assessment location must be known prior to applying the protocol and must be verified based on soils and climate. Current plant community cannot be used to identify the ecological site.

Author(s)/participant(s)	
Contact for lead author	
Date	
Approved by	
Approval date	
Composition (Indicators 10 and 12) based on	Annual Production

Indicators

1. **Number and extent of rills:**

2. **Presence of water flow patterns:**

---

3. **Number and height of erosional pedestals or terracettes:**

---

4. **Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground):**

---

5. **Number of gullies and erosion associated with gullies:**

---

6. **Extent of wind scoured, blowouts and/or depositional areas:**

---

7. **Amount of litter movement (describe size and distance expected to travel):**

---

8. **Soil surface (top few mm) resistance to erosion (stability values are averages - most sites will show a range of values):**

---

9. **Soil surface structure and SOM content (include type of structure and A-horizon color and thickness):**

---

10. **Effect of community phase composition (relative proportion of different functional groups) and spatial distribution on infiltration and runoff:**

---

11. **Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction on this site):**

---

12. **Functional/Structural Groups (list in order of descending dominance by above-ground annual-production or live foliar cover using symbols: >>, >, = to indicate much greater**

than, greater than, and equal to):

Dominant:

Sub-dominant:

Other:

Additional:

---

13. **Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence):**

---

14. **Average percent litter cover (%) and depth (in):**

---

15. **Expected annual annual-production (this is TOTAL above-ground annual-production, not just forage annual-production):**

---

16. **Potential invasive (including noxious) species (native and non-native). List species which BOTH characterize degraded states and have the potential to become a dominant or co-dominant species on the ecological site if their future establishment and growth is not actively controlled by management interventions. Species that become dominant for only one to several years (e.g., short-term response to drought or wildfire) are not invasive plants. Note that unlike other indicators, we are describing what is NOT expected in the reference state for the ecological site:**

---

17. **Perennial plant reproductive capability:**

Appendix D

Stephanie Garcia Richard, Commissioner of Public Lands
State of New Mexico

NMSLO Cultural Resources Cover Sheet
Exhibit A

NMCRIS Activity Number: 157601
(if applicable)

Exhibit Type (select one)

○ **ARMS Inspection/Review** - Summarize the results (select one):

- ☐ (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
- ☐ (B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
- ☐ (C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

◉ **Archaeological Survey**

Findings:

- ☑ **Negative** - No further archaeological review is required.
- ☐ **Positive** - Have avoidance and protection measures been devised? Select one: ☐

Comments:

Project Details:

NMSLO Lease Number (if available): GT3124

Cultural Resources Consultant: Lone Mountain Archaeological Services, Inc.

Project Proponent (Applicant): E-tech Environmental

Project Title/Description: Black Mamba 15 State Com Remediation

Project Location:

County(ies): Eddy

PLSS/Section/Township/Range): S24-26,35/T22S/R33E

For NMSLO Agency Use Only:

NMSLO Lease Number: ☐ Acknowledgment-Only: ☐

Lease Analyst: ☐

Date Exhibit Routed to Cultural Resources Office: ☐

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22

Appendix E

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

NOT FOR CONSULTATION

Location

Lea County, New Mexico

Local office

New Mexico Ecological Services Field Office

(505) 346-2525
(505) 346-2542

2105 Osuna Road Ne
Albuquerque, NM 87113-1001

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

---

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).

NOT FOR CONSULTATION

2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Birds

NAME	STATUS
Lesser Prairie-chicken Tympanuchus pallidicinctus No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1924	Endangered
Northern Aplomado Falcon Falco femoralis septentrionalis No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1923	EXPN

Insects

NAME	STATUS
Monarch Butterfly Danaus plexippus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

There are no documented cases of eagles being present at this location. However, if you believe eagles may be using your site, please reach out to the local Fish and Wildlife Service office.

NOT FOR CONSULTATION

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply). To see a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs of bald and golden eagles in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur. Please contact your local Fish and Wildlife Service Field Office if you have questions.

NOT FOR CONSTRUCTION

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

---

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

The data in this location indicates there are no migratory birds of conservation concern expected to occur in this area.

There may be migratory birds in your project area, but we don't have any survey data available to provide further direction. For additional information, please refer to the links above for recommendations to minimize impacts to migratory birds or contact your local FWS office.

NOT FOR CONSULTATION

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

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Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

This location did not intersect any wetlands mapped by NWI.

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

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The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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Appendix F

eTECH	Sample Name: BH01	Date: 05/21/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.367958, -103.522842	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	2.0	No	BH01	0.5	0.5		(0'-4') SAND, poorly graded with silt, trace organic material.
Dry	<116	1.2	No	BH01	1	1		
Dry	<116	1.2	No	BH01	2	2		
Dry	<116	0.7	No	BH01	3	3		(3'-4') no organic material.
Dry	<116	0.8	No	BH01	4	4		
						Total Depth		

eTECH	Sample Name: BH02	Date: 05/21/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.368167, -103.522522	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH02	0.5	0.5		(0'-4') SAND, very fine to fine grade, trace silt brown, trace organic material.
Dry	<116	0.0	No	BH02	1	1		
Dry	<116	0.0	No	BH02	2	2		(2'-4') no organic material.
Dry	<116	0.0	No	BH02	3	3		
Dry	<116	0.0	No	BH02	4	4		
						Total Depth		

eTECH	Sample Name: BH03	Date: 05/21/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.368245, -103.52242	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH03	0.5	0.5		(0'-4') SAND, very fine to fine grade, trace silt brown, trace organic material.
Dry	<116	0.0	No	BH03	1	1		
Dry	<116	0.0	No	BH03	2	2		(2'-4') no organic material.
Dry	<116	0.0	No	BH03	3	3		
Dry	<116	0.0	No	BH03	4	4		
						Total Depth		

eTECH	Sample Name: BH04	Date: 05/21/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.368378, -103.522193	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH04	0.5	0.5		(0'-4') SAND, very fine to fine grade, trace silt brown, trace organic material.
Dry	<116	0.0	No	BH04	1	1		
Dry	<116	0.0	No	BH04	2	2		(2'-4') no organic material.
Dry	<116	0.0	No	BH04	3	3		
Dry	<116	0.0	No	BH04	4	4		
						Total Depth		

eTECH	Sample Name: BH05	Date: 05/21/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.368679, -103.521692	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH05	0.5	0.5		(0'-4') SAND, very fine to fine grade, trace silt brown, trace organic material.
Dry	<116	0.0	No	BH05	1	1		
Dry	<116	0.0	No	BH05	2	2		(2'-4') no organic material.
Dry	<116	0.0	No	BH05	3	3		
Dry	<116	0.0	No	BH05	4	4		
						Total Depth		

eTECH	Sample Name: BH06	Date: 05/21/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3687557, -103.5215783	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH06	0.5	0.5		(0'-4') SAND, very fine to fine grade, trace silt brown, trace organic material.
Dry	<116	0.0	No	BH06	1	1		
Dry	<116	0.0	No	BH06	2	2		(2'-4') no organic material.
Dry	<116	0.0	No	BH06	3	3		
Dry	<116	0.0	No	BH06	4	4		
						Total Depth		

eTECH	Sample Name: BH07	Date: 05/21/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3688059, -103.5215024	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH07	0.5	0.5		(0'-4') SAND, some silt, some clay, brown, trace organic material
Dry	<116	0.0	No	BH07	1	1		(1'-2') color change to tan
Dry	<116	0.0	No	BH07	2	2		
Dry	<116	0.0	No	BH07	3	3		(3'-4') color change to lighter brown
Dry	<116	0.0	No	BH07	4	4		
						Total Depth		

eTECH	Sample Name: BH08	Date: 05/21/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3689245, -103.5213259	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH08	0.5	0.5		(0'-4') SAND, some silt, trace clay, tan, trace organic material.
Dry	<116	0.0	No	BH08	1	1		
Dry	<116	0.0	No	BH08	2	2		(2'-4') color change to grey.
Dry	<116	0.0	No	BH08	3	3		
Dry	<116	0.0	No	BH08	4	4		
						Total Depth		

eTECH	Sample Name: BH09	Date: 05/21/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3687962, -103.5215048	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH09	0.5	0.5		(0'-4') SAND, some silt, some clay, trace organic, tan.
Dry	<116	0.0	No	BH09	1	1		
Dry	<116	0.0	No	BH09	2	2		
Dry	<116	0.0	No	BH09	3	3		
Dry	<116	0.0	No	BH09	4	4		
						Total Depth		

eTECH	Sample Name: BH10	Date: 05/21/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3694856, -103.5203667	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH10	0.5	0.5		(0'-4') SAND, trace silt, brown, trace organic material.
Dry	<116	0.0	No	BH10	1	1		
Dry	<116	0.0	No	BH10	2	2		
Dry	<116	0.0	No	BH10	3	3		
Dry	<116	0.0	No	BH10	4	4		
						Total Depth		

eTECH	Sample Name: BH11	Date: 05/21/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3688955, 103.5212853	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH11	0.5	0.5		(0'-4') SAND, some silt, some clay, tan, trace organic material.
Dry	<116	0.0	No	BH11	1	1		
Dry	<116	0.0	No	BH11	2	2		
Dry	<116	0.0	No	BH11	3	3		
Dry	<116	0.0	No	BH11	4	4		
						Total Depth		

eTECH	Sample Name: BH12	Date: 05/21/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3689657, -103.5213678	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH12	0.5	0.5		(0-4') SAND, some silt, some clay, brown, trace organic material.
Dry	<116	0.0	No	BH12	1	1		
Dry	<116	0.0	No	BH12	2	2		(2'-3') color change to tan.
Dry	<116	0.0	No	BH12	3	3		
Dry	<116	0.0	No	BH12	4	4		(4') color change to light brown
						Total Depth		

eTECH	Sample Name: BH13	Date: 05/21/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3688491, -103.5215582	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH13	0.5	0.5		(0'-4') SAND, some silt, some clay, brown, trace organic material.
Dry	<116	0.0	No	BH13	1	1		
Dry	<116	0.0	No	BH13	2	2		
Dry	<116	0.0	No	BH13	3	3		
Dry	<116	0.0	No	BH13	4	4		
						Total Depth		

eTECH	Sample Name: BH14	Date: 05/21/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3687754, -103.5214784	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH14	0.5	0.5		(0'-4') Sand, some silt, some clay, brown, trace organic material.
Dry	<116	0.0	No	BH14	1	1		
Dry	<116	0.0	No	BH14	2	2		(2'-4') increase in amount of clay make-up, color change to tan.
Dry	<116	0.0	No	BH14	3	3		
Dry	<116	0.0	No	BH14	4	4		
						Total Depth		

eTECH	Sample Name: BH15	Date: 05/21/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3687397, -103.5215596	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH15	0.5	0.5		(0'-4') SAND, some silt, some clay, brown, trace organic material.
Dry	<116	0.0	No	BH15	1	1		
Dry	<116	0.0	No	BH15	2	2		
Dry	<116	0.0	No	BH15	3	3		
Dry	<116	0.0	No	BH15	4	4		
						Total Depth		

eTECH	Sample Name: BH16	Date: 05/21/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3688037, -103.5216239	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH16	0.5	0.5		(0'-4') SAND, trace silt, brown, trace organic material.
Dry	<116	0.0	No	BH16	1	1		
Dry	<116	0.0	No	BH16	2	2		
Dry	<116	0.0	No	BH16	3	3		
Dry	<116	0.0	No	BH16	4	4		
						Total depth		

eTECH	Sample Name: BH17	Date: 05/29/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3687239, -103.5217306	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH17	0.5	0.5		(0'-4') SAND, very fine to fine grade, trace silt, brown, trace organic material.
Dry	<116	0.4	No	BH17	1	1		
Dry	<116	0.0	No	BH17	2	2		(2') no more organic material
Dry	<116	0.0	No	BH17	3	3		(3') color change to tan
Dry	<116	0.0	No	BH17	4	4		
								Total depth

eTECH	Sample Name: BH18	Date: 05/29/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.368665, -103.5216756	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH18	0.5	0.5		(0'-4') SAND, very fine to fine grade, trace silt, brown, trace organic material.
Dry	<116	0.0	No	BH18	1	1		
Dry	<116	0.0	No	BH18	2	2		(2') no more organic material
Dry	<116	0.0	No	BH18	3	3		(3') color change to tan
Dry	<116	0.0	No	BH18	4	4		
						Total depth		

eTECH	Sample Name: BH19	Date: 05/30/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3684147, -103.5222214	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH19	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.0	No	BH19	1	1		
Dry	<116	0.0	No	BH19	2	2		(2'-4') increase of silt & clay.
Dry	<116	0.0	No	BH19	3	3		
Dry	<116	0.0	No	BH19	4	4		
						Total depth		

eTECH	Sample Name: BH20	Date: 05/30/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3683535, -103.5221604	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH20	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.0	No	BH20	1	1		
Dry	<116	0.0	No	BH20	2	2		(2'-4') increase of silt & clay, color change to red-brown.
Dry	<116	0.0	No	BH20	3	3		
Dry	<116	0.0	No	BH20	4	4		
						Total depth		

eTECH	Sample Name: BH21	Date: 05/30/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3682187, -103.5223904	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH21	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.0	No	BH21	1	1		
Dry	<116	0.0	No	BH21	2	2		(2'-4') increase of silt & clay, color change to red-brown.
Dry	<116	0.0	No	BH21	3	3		
Dry	<116	0.0	No	BH21	4	4		
						Total depth		

eTECH	Sample Name: BH22	Date: 05/30/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.368281, -103.5224474	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH22	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.0	No	BH22	1	1		
Dry	<116	0.0	No	BH22	2	2		(2'-4') increase of silt & clay, color change to red-brown.
Dry	<116	0.0	No	BH22	3	3		
Dry	<116	0.0	No	BH22	4	4		
						Total depth		

eTECH	Sample Name: BH23	Date: 05/30/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3682085, -103.5225553	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH23	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.0	No	BH23	1	1		
Dry	<116	0.0	No	BH23	2	2		(2'-4') increase of silt & clay, color change to red-brown.
Dry	<116	0.0	No	BH23	3	3		
Dry	<116	0.0	No	BH23	4	4		
						Total depth		

eTECH	Sample Name: BH24	Date: 05/30/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.368149, -103.5225064	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	No	BH24	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.0	No	BH24	1	1		
Dry	<116	0.0	No	BH24	2	2		(2'-4') increase of silt & clay, color change to red-brown.
Dry	<116	0.0	No	BH24	3	3		
Dry	<116	0.0	No	BH24	4	4		
						Total depth		

eTECH	Sample Name: BH25	Date: 06/02/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3679378, -103.5225064	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.3	No	BH25	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.2	No	BH25	1	1		
Dry	<116	0.0	No	BH25	2	2		(2'-4') increase of silt & clay.
Dry	<116	0.2	No	BH25	3	3		
Dry	<116	0.1	No	BH25	4	4		
						Total depth		

eTECH	Sample Name: BH26	Date: 06/02/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3679967, -103.5228839	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.2	No	BH26	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.2	No	BH26	1	1		
Dry	<116	0.2	No	BH26	2	2		(2'-4') increase of silt & clay.
Dry	<116	0.3	No	BH26	3	3		
Dry	<116	0.1	No	BH26	4	4		
						Total depth		

eTECH	Sample Name: BH27	Date: 06/02/2025
	Site Name: Black Mamba 15 State Com #008H	
	Incident Number: NKJ1534531959	
	Job Number: 18481	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3677412, -103.5231521	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.3	No	BH27	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.2	No	BH27	1	1		
Dry	<116	0.2	No	BH27	2	2		(2'-4') increase of silt & clay.
Dry	<116	0.1	No	BH27	3	3		
Dry	<116	0.0	No	BH27	4	4		
						Total depth		

eTECH	Sample Name: BH01	Date: 06/02/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3578941, -103.5388488	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.6	NO	BH01	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.5	NO	BH01	1	1		
Dry	<116	0.6	NO	BH01	2	2		
Dry	<116	0.8	NO	BH01	3	3		(3'-4') Color change to red-brown.
Dry	<116	0.5	NO	BH01	4	4		(4') increase in amount of clay
						Total Depth		

eTECH	Sample Name: BH02	Date: 06/02/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3578327, -103.5388441	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.9	NO	BH02	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.7	NO	BH02	1	1		
Dry	<116	0.4	NO	BH02	2	2		(2'-4') Color change to red-brown.
Dry	<116	0.3	NO	BH02	3	3		
Dry	<116	0.3	NO	BH02	4	4		

Total Depth

eTECH	Sample Name: BH03	Date: 06/02/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3578392, -103.5389101	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.3	NO	BH03	0.5	0.5		(0'-4') SAND, trace silt, brown.
Dry	<116	0.4	NO	BH03	1	1		
Dry	<116	0.4	NO	BH03	2	2		(2'-4') Color change to red-brown.
Dry	<116	0.3	NO	BH03	3	3		
Dry	<116	0.2	NO	BH03	4	4		
						Total Depth		

eTECH	Sample Name: BH04	Date: 06/02/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3571232, 103.541075	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.4	NO	BH04	0.5	0.5		(0'-4') SAND, trace silt, brown.
Dry	<116	0.2	NO	BH04	1	1		
Dry	<116	0.3	NO	BH04	2	2		(2'-4') Color change to red-brown.
Dry	<116	0.2	NO	BH04	3	3		
Dry	<116	0.1	NO	BH04	4	4		

Total Depth

eTECH	Sample Name: BH05	Date: 06/03/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.356585, -103.541075	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.2	NO	BH05	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.3	NO	BH05	1	1		
Dry	<116	0.3	NO	BH05	2	2		
Dry	<116	0.4	NO	BH05	3	3		(3'-4') increase in amount of clay, color change to red-brown.
Dry	<116	0.2	NO	BH05	4	4		

Total Depth

eTECH	Sample Name: BH06	Date: 06/03/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.355969, -103.541968	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.1	NO	BH06	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.2	NO	BH06	1	1		
Dry	<116	0.2	NO	BH06	2	2		
Dry	<116	0.1	NO	BH06	3	3		(3'-4') increase in amount of clay, color change to red-brown.
Dry	<116	0.2	NO	BH06	4	4		
						Total Depth		

eTECH	Sample Name: BH07	Date: 06/03/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.35574, -103.542278	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.2	NO	BH07	0.5	0.5		(0'-4') SAND, trace silt, trace clay, light brown.
Dry	<116	0.2	NO	BH07	1	1		(1'-2') color change to brown
Dry	<116	0.1	NO	BH07	2	2		
Dry	<116	0.2	NO	BH07	3	3		(3'-4') color change to red-brown.
Dry	<116	0.2	NO	BH07	4	4		
						Total Depth		

eTECH	Sample Name: BH08	Date: 06/03/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3557111, 103.5423074	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.3	NO	BH08	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.3	NO	BH08	1	1		
Dry	<116	0.4	NO	BH08	2	2		
Dry	<116	0.4	NO	BH08	3	3		(3'-4') increase in amount of silt, color change to red-brown.
Dry	<116	0.3	NO	BH08	4	4		

Total Depth

eTECH	Sample Name: BH09	Date: 06/03/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3555831, -103.5426031	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.4	NO	BH09	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.6	NO	BH09	1	1		
Dry	<116	0.4	NO	BH09	2	2		
Dry	<116	0.4	NO	BH09	3	3		(3'-4') increase in amount of clay, color change to red-brown.
Dry	<116	0.3	NO	BH09	4	4		
						Total Depth		

eTECH	Sample Name: BH10	Date: 06/03/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3554572, -103.5428112	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.4	NO	BH10	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.5	NO	BH10	1	1		
Dry	<116	0.4	NO	BH10	2	2		
Dry	<116	0.6	NO	BH10	3	3		(3'-4') increase in amount of silt, color change to red-brown.
Dry	<116	0.3	NO	BH10	4	4		

Total Depth

eTECH	Sample Name: BH11	Date: 06/03/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3552352, -103.5431729	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.2	NO	BH11	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.3	NO	BH11	1	1		
Dry	<116	0.3	NO	BH11	2	2		
Dry	<116	0.4	NO	BH11	3	3		(3'-4') increase in amount of silt, color change to red-brown.
Dry	<116	0.3	NO	BH11	4	4		

Total Depth

eTECH	Sample Name: BH12	Date: 06/03/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3551044, -103.5433634	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.2	NO	BH12	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.3	NO	BH12	1	1		
Dry	<116	0.5	NO	BH12	2	2		
Dry	<116	0.4	NO	BH12	3	3		(3'-4') increase in amount of clay, color change to red-brown.
Dry	<116	0.2	NO	BH12	4	4		

Total Depth

eTECH	Sample Name: BH13	Date: 06/03/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3552086, -103.5431442	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.2	NO	BH13	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.4	NO	BH13	1	1		
Dry	<116	0.3	NO	BH13	2	2		
Dry	<116	0.3	NO	BH13	3	3		(3'-4') increase in amount of clay, color change to red-brown.
Dry	<116	0.2	NO	BH13	4	4		
						Total Depth		

eTECH	Sample Name: BH14	Date: 06/03/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.355306, -103.5432196	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.3	NO	BH14	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.3	NO	BH14	1	1		
Dry	<116	0.4	NO	BH14	2	2		
Dry	<116	0.2	NO	BH14	3	3		(3'-4') increase in amount of clay, color change to red-brown.
Dry	<116	0.1	NO	BH14	4	4		
						Total Depth		

eTECH	Sample Name: BH15	Date: 06/04/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3555317, -103.5428652	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.8	NO	BH15	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.3	NO	BH15	1	1		
Dry	<116	0.4	NO	BH15	2	2		
Dry	<116	0.1	NO	BH15	3	3		(3'-4') increase in amount of clay, color change to red-brown.
Dry	<116	0.1	NO	BH15	4	4		
						Total Depth		

eTECH	Sample Name: BH16	Date: 06/04/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3554238, -103.5427814	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	NO	BH16	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.0	NO	BH16	1	1		
Dry	<116	0.0	NO	BH16	2	2		
Dry	<116	0.0	NO	BH16	3	3		(3'-4') increase in amount of clay, color change to red-brown.
Dry	<116	0.0	NO	BH16	4	4		

Total Depth

eTECH	Sample Name: BH17	Date: 06/04/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3555552, -103.5425819	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	NO	BH17	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.0	NO	BH17	1	1		
Dry	<116	0.0	NO	BH17	2	2		
Dry	<116	0.0	NO	BH17	3	3		(3'-4') increase in amount of clay, color change to red-brown.
Dry	<116	0.0	NO	BH17	4	4		

Total Depth

eTECH	Sample Name: BH18	Date: 06/04/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3556498, -103.5426637	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	NO	BH18	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.0	NO	BH18	1	1		
Dry	<116	0.0	NO	BH18	2	2		
Dry	<116	0.0	NO	BH18	3	3		(3'-4') increase in amount of clay, color change to red-brown.
Dry	<116	0.0	NO	BH18	4	4		

Total Depth

eTECH	Sample Name: BH19	Date: 06/04/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3558464, -103.5423308	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	NO	BH19	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.0	NO	BH19	1	1		
Dry	<116	0.0	NO	BH19	2	2		
Dry	<116	0.0	NO	BH19	3	3		(3'-4') increase in amount of clay, color change to red-brown.
Dry	<116	0.0	NO	BH19	4	4		

Total Depth

eTECH	Sample Name: BH20	Date: 06/04/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3556729, -103.5422292	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	NO	BH20	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.0	NO	BH20	1	1		
Dry	<116	0.0	NO	BH20	2	2		
Dry	<116	0.0	NO	BH20	3	3		(3'-4') color change to red-brown.
Dry	<116	0.0	NO	BH20	4	4		

Total Depth

eTECH	Sample Name: BH21	Date: 06/04/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.35594, -103.541936	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	NO	BH21	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.0	NO	BH21	1	1		
Dry	<116	0.0	NO	BH21	2	2		
Dry	<116	0.0	NO	BH21	3	3		(3'-4') increase in amount of clay, color change to red-brown.
Dry	<116	0.0	NO	BH21	4	4		

Total Depth

eTECH	Sample Name: BH22	Date: 06/04/2025
	Site Name: Black Mamba 15 State COM #009	
	Incident Number: nKJ1535733981	
	Job Number: 19286	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Haleigh Blume	Method: Hand Auger
Delineation Soil Sample Coordinates: 32.3560482, -103.5420346	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<116	0.0	NO	BH22	0.5	0.5		(0'-4') SAND, trace silt, trace clay, brown.
Dry	<116	0.0	NO	BH22	1	1		
Dry	<116	0.0	NO	BH22	2	2		
Dry	<116	0.0	NO	BH22	3	3		(3'-4') increase in amount of clay, color change to red-brown.
Dry	<116	0.0	NO	BH22	4	4		

Total Depth

Appendix G

PHOTOGRAPHIC LOG
Devon Production Company, LP
Black Mamba 15 State Com #008 & Black Mamba 15 State Com #009
Incident Numbers: nKJ1534531959 & nKJ1535733981

Photograph 1 **Date: 05/29/2025**
Description: Northwestern view of delineation activities of AOC #1.

Photograph 2 **Date: 05/29/2025**
Description: Northeastern view of delineation activities of AOC #1.

Photograph 3 **Date: 06/02/2025**
Description: Southwestern view of delineation activities at AOC #2.

Photograph 4 **Date: 06/02/2025**
Description: Northwestern view of delineation activities at AOC #2.

PHOTOGRAPHIC LOG
Devon Production Company, LP
Black Mamba 15 State Com #008 & Black Mamba 15 State Com #009
Incident Numbers: nKJ1534531959 & nKJ1535733981

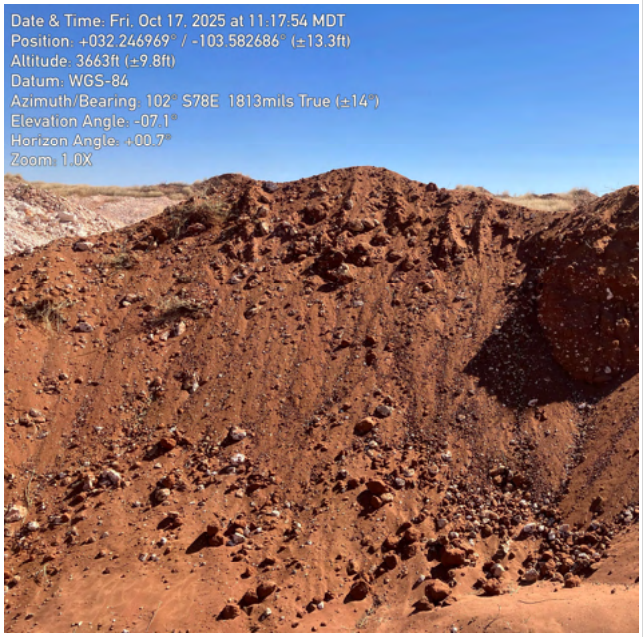
Photograph 5 **Date: 06/19/2025**
Description: Northeastern view of confirmation activities of AOC #1.

Photograph 6 **Date: 09/10/2025**
Description: Southeastern view of excavation activities at AOC #1.

Photograph 7 **Date: 09/11/2025**
Description: Northeastern view of excavation activities at AOC #2.

Photograph 8 **Date: 09/11/2025**
Description: Southwestern view of excavation activities at AOC #2.

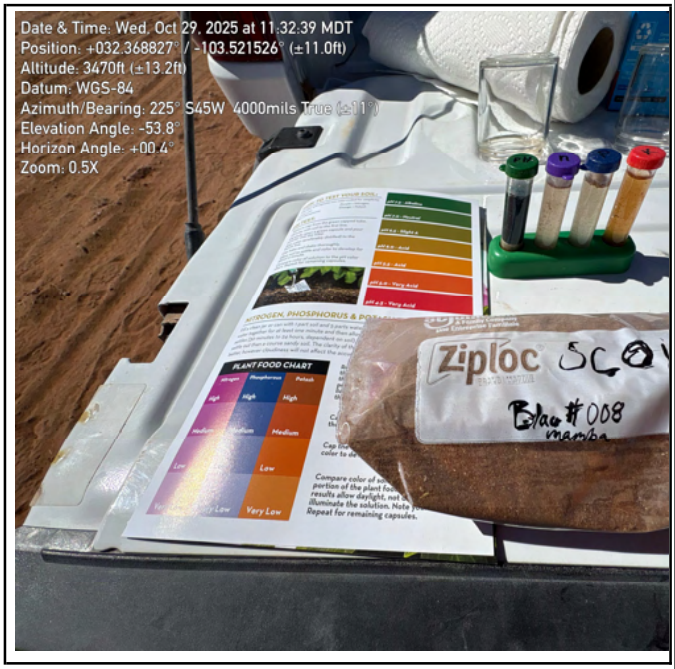
PHOTOGRAPHIC LOG
Devon Production Company, LP
Black Mamba 15 State Com #008 & Black Mamba 15 State Com #009
Incident Numbers: nKJ1534531959 & nKJ1535733981



Photograph 9 **Date: 10/17/2025**
Description: Southeastern view of the backfill stockpile used at AOC #1 & #2.

Photograph 10 **Date: 11/14/2025**
Description: Southwestern view of completed backfill activities at AOC #1.

Photograph 11 **Date: 11/14/2025**
Description: Northeastern view of completed backfill activities at AOC #2.



Photograph 12 **Date: 10/29/2025**
Description: Nutrient testing activities at AOC #1.

Appendix H

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Devon Energy Production Company, LP
Black Mamba 15 State Com #008H
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Delineation Soil Samples - Incident Number nKJ1534531959									
BH01*	05/20/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH01*	05/20/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH01*	05/20/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH01*	05/20/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH01	05/20/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH02*	05/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH02*	05/21/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH02*	05/21/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH02*	05/21/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH02	05/21/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH03*	05/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH03*	05/21/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH03*	05/21/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH03*	05/21/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH03	05/21/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04*	05/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04*	05/21/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04*	05/21/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04*	05/21/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04	05/21/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH05*	05/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH05*	05/21/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH05*	05/21/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH05*	05/21/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH05	05/21/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH06*	05/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Devon Energy Production Company, LP
Black Mamba 15 State Com #008H
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
BH06*	05/21/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH06*	05/21/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH06*	05/21/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH06	05/21/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH07*	05/29/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH07*	05/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH07*	05/29/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH07*	05/29/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH07	05/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH08*	05/29/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH08*	05/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH08*	05/29/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH08*	05/29/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH08	05/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09*	05/29/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09*	05/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09*	05/29/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09*	05/29/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09	05/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH10*	05/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH10*	05/22/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH10*	05/22/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH10*	05/22/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH10	05/22/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH11*	05/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH11*	05/22/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH11*	05/22/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	25.9

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Devon Energy Production Company, LP
Black Mamba 15 State Com #008H
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
BH11*	05/22/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	29.2
BH11	05/22/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	222
BH12*	05/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH12*	05/22/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	26.8
BH12*	05/22/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	243
BH12*	05/22/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	46.8
BH12	05/22/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH13*	05/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH13*	05/22/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH13*	05/22/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH13*	05/22/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH13	05/22/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH14*	05/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH14*	05/22/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH14*	05/22/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH14*	05/22/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH14	05/22/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH15*	05/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH15*	05/22/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH15*	05/22/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH15*	05/22/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH15	05/22/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	154
BH16*	05/22/2025	0.5	<0.0250	0.0118	<20.0	<25.0	<50.0	<50.0	<20.0
BH16*	05/22/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH16*	05/22/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH16*	05/22/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	21.9
BH16	05/22/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	21.9

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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
BH17*	05/29/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH17*	05/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH17*	05/29/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH17*	05/29/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH17	05/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH18*	05/29/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH18*	05/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH18*	05/29/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH18*	05/29/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH18	05/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH19*	05/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH19*	05/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH19*	05/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH19*	05/30/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH19	05/30/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH20*	05/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH20*	05/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH20*	05/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH20*	05/30/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH20	05/30/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH21*	05/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH21*	05/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH21*	05/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH21*	05/30/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH21	05/30/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH22*	05/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH22*	05/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0

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NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
BH22*	05/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH22*	05/30/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH22	05/30/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH23*	05/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH23*	05/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH23*	05/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH23*	05/30/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH23	05/30/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH24*	05/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH24*	05/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH24*	05/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH24*	05/30/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH24	05/30/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH25*	06/02/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH25*	06/02/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH25*	06/02/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH25*	06/02/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH25	06/02/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH26*	06/02/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH26*	06/02/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH26*	06/02/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH26*	06/02/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH26	06/02/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH27*	06/02/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH27*	06/02/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH27*	06/02/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH27*	06/02/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0

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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**100**	**600**
BH27	06/02/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
Confirmation Soil Samples - Incident Number nKJ1534531959									
FS01*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS02*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS03*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS04*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS05*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS06*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS07*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS08*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS09*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS10*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS11*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS12*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS13*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS14*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS15*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS16*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
SW01*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
SW02*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
SW03*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
SW04*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
Excavation Soil Samples - Incident Number nKJ1534531959									
FS17*	09/10/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS18*	09/10/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS19*	09/10/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS20*	09/10/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0

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NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**100**	**600**
FS21*	09/10/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS22*	09/10/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
SW05*	09/10/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
SW06*	09/10/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
SW07*	09/10/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
SW08*	09/10/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code
Text in "grey" represents excavated soil samples
*Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard* for Soils Impacted by a Release*
*" * "Soil sample was collected in the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13, if exceeding the reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH.*

Table 2
SOIL SAMPLE ANALYTICAL RESULTS
Devon Energy Production Company, LP
Black Mamba 15 State Com #009H
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**100**	**600**
Delineation Soil Samples - Incident Number nkJ1535733981									
BH01*	06/02/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH01*	06/02/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH01*	06/02/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH01*	06/02/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH01	06/02/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH02*	06/02/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH02*	06/02/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH02*	06/02/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH02*	06/02/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH02	06/02/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH03*	06/02/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH03*	06/02/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH03*	06/02/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH03*	06/02/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH03	06/02/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04*	06/02/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04*	06/02/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04*	06/02/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04*	06/02/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04	06/02/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH05*	06/03/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH05*	06/03/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH05*	06/03/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH05*	06/03/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH05	06/03/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH06*	06/03/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH06*	06/03/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH06*	06/03/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH06*	06/03/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH06	06/03/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH07*	06/03/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0

Table 2
SOIL SAMPLE ANALYTICAL RESULTS
Devon Energy Production Company, LP
Black Mamba 15 State Com #009H
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
BH07*	06/03/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH07*	06/03/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH07*	06/03/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH07	06/03/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH08*	06/03/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH08*	06/03/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH08*	06/03/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH08*	06/03/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH08	06/03/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09*	06/03/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09*	06/03/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09*	06/03/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09*	06/03/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09	06/03/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH10*	06/03/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH10*	06/03/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH10*	06/03/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH10*	06/03/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH10	06/03/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	27.0
BH11*	06/03/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH11*	06/03/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH11*	06/03/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH11*	06/03/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH11	06/03/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH12*	06/03/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH12*	06/03/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH12*	06/03/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	22.9
BH12*	06/03/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH12	06/03/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH13*	06/03/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH13*	06/03/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH13*	06/03/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0

Table 2
SOIL SAMPLE ANALYTICAL RESULTS
Devon Energy Production Company, LP
Black Mamba 15 State Com #009H
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
BH13*	06/03/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH13	06/03/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH14*	06/03/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH14*	06/03/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH14*	06/03/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH14*	06/03/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH14	06/03/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH15*	06/04/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH15*	06/04/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH15*	06/04/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH15*	06/04/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH15	06/04/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH16*	06/04/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH16*	06/04/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH16*	06/04/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH16*	06/04/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH16	06/04/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH17*	06/04/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH17*	06/04/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH17*	06/04/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH17*	06/04/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH17	06/04/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH18*	06/04/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH18*	06/04/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH18*	06/04/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH18*	06/04/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH18	06/04/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH19*	06/04/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH19*	06/04/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH19*	06/04/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH19*	06/04/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH19	06/04/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0

Table 2
SOIL SAMPLE ANALYTICAL RESULTS
Devon Energy Production Company, LP
Black Mamba 15 State Com #009H
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**100**	**600**
BH20*	06/04/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH20*	06/04/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH20*	06/04/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH20*	06/04/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH20	06/04/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH21*	06/04/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH21*	06/04/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH21*	06/04/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH21*	06/04/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH21	06/04/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH22*	06/04/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH22*	06/04/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH22*	06/04/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH22*	06/04/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH22	06/04/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
Confirmation Soil Samples - Incident Number nkJ1535733981									
FS01*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS02*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS03*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS04*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS05*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS06*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS07*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS08*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS09*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS10*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS11*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS12*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS13*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	170
FS14*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	23.0
FS15*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS16*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0

Table 2
SOIL SAMPLE ANALYTICAL RESULTS
Devon Energy Production Company, LP
Black Mamba 15 State Com #009H
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**100**	**600**
FS17*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
SW01*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
SW02*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
SW03*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
SW04*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
SW05*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
SW06*	06/19/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
Excavation Soil Samples - Incident Number nkJ1535733981									
FS18*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS19*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS20*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS21*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS22*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS23*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS24*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS25*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS26*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS27*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS28*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	27.1
FS29*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS30*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS31*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
FS32*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
SW07*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	167
SW08*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
SW09*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
SW10*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
SW11*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	31.2

Table 2
SOIL SAMPLE ANALYTICAL RESULTS
Devon Energy Production Company, LP
Black Mamba 15 State Com #009H
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**100**	**600**
SW12*	09/11/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code
Text in ""grey"" represents excavated soil samples
*Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard for Soils Impacted by a Release*
*" * "Soil sample was collected in the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13, if exceeding the reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH.*

Table 3
BACKFILL SOIL SAMPLE ANALYTICAL RESULTS
Devon Energy Production Co, LP
Black Mamba 15 State Com #008 & Black Mamba 15 State Com #009
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**100**	**600**
Stockpile Soil Samples - nKJ1534531959 & nKJ1535733981									
STKP01	10/17/2025	-	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
STKP02	10/17/2025	-	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code
Text in ""grey"" represents excavated soil samples
*Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard for Soils Impacted by a Release*

Table 4
SOIL SAMPLE FIELD SCREENING RESULTS
Devon Energy Production Company, LP
Black Mamba 15 State Com #008 & Black Mamba 15 State Com #009
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Nitrogen	Potash	Phosphorous	PH (ppm)	Chloride (ppm)
Restoration Soil Samples - Incident Number nKJ1534531959 & nKJ1535733981							
SC01	10/29/2025	0.25	Very Low	Low	Low	7.5	<128
SC02	10/29/2025	0.25	Very Low	Low	Low	7.5	<128
SC03	10/29/2025	0.25	Very Low	Low	Low	7.5	<128
SC04	10/29/2025	0.25	Very Low	Low	Low	7.5	<128
BG01	10/29/2025	0.25	Very Low	Low	Low	7.5	<128
BG02	10/29/2025	0.25	Very Low	Low	Low	7.5	<128

Notes:
bgs: below ground surface
ppm: parts per million
"-" symbol: sample depth is not applicable

Appendix I

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 State COM #008
Work Order:	E505279
Job Number:	01058-0007
Received:	5/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/30/25

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: 5/30/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Black Mamba 15 State COM #008
Workorder: E505279
Date Received: 5/27/2025 7:15:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/27/2025 7:15:00AM, under the Project Name: Black Mamba 15 State COM #008.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 State COM #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	05/30/25 15:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 0.5	E505279-01A	Soil	05/20/25	05/27/25	Glass Jar, 2 oz.
BH01 1	E505279-02A	Soil	05/20/25	05/27/25	Glass Jar, 2 oz.
BH01 2	E505279-03A	Soil	05/20/25	05/27/25	Glass Jar, 2 oz.
BH01 3	E505279-04A	Soil	05/20/25	05/27/25	Glass Jar, 2 oz.
BH01 4	E505279-05A	Soil	05/20/25	05/27/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 3:58:14PM

BH01 0.5

E505279-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522011
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522064
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/29/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/29/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522056
Chloride	ND	20.0	1	05/28/25	05/29/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 3:58:14PM

BH01 1

E505279-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522011
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522064
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/29/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*05/29/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522056
Chloride	ND	20.0	1	05/28/25	05/29/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 3:58:14PM

BH01 2

E505279-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522011
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*104 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522064
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/29/25	
Surrogate: n-Nonane		*99.7 %*	*61-141*	*05/29/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522056
Chloride	ND	20.0	1	05/28/25	05/29/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 3:58:14PM

BH01 3

E505279-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522011
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522064
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/29/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*05/29/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522056
Chloride	ND	20.0	1	05/28/25	05/29/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 3:58:14PM

BH01 4

E505279-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522011
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522011
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*104 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522064
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/29/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/29/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522056
Chloride	ND	20.0	1	05/28/25	05/29/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 3:58:14PM

Volatile Organics by EPA 8021B

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 (2522011-BLK1)									Prepared: 05/27/25 Analyzed: 05/29/25
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	*7.56*		*8.00*		*94.5*	*70-130*			
LCS (2522011-BS1)									Prepared: 05/27/25 Analyzed: 05/29/25
Benzene	4.50	0.0250	5.00		90.0	70-130			
Ethylbenzene	4.48	0.0250	5.00		89.6	70-130			
Toluene	4.49	0.0250	5.00		89.8	70-130			
o-Xylene	4.49	0.0250	5.00		89.7	70-130			
p,m-Xylene	9.11	0.0500	10.0		91.1	70-130			
Total Xylenes	13.6	0.0250	15.0		90.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.18*		*8.00*		*102*	*70-130*			
Matrix Spike (2522011-MS1)				**Source: E505276-08**					Prepared: 05/27/25 Analyzed: 05/29/25
Benzene	4.42	0.0250	5.00	ND	88.5	70-130			
Ethylbenzene	4.37	0.0250	5.00	ND	87.4	70-130			
Toluene	4.40	0.0250	5.00	ND	87.9	70-130			
o-Xylene	4.40	0.0250	5.00	ND	88.0	70-130			
p,m-Xylene	8.87	0.0500	10.0	ND	88.7	70-130			
Total Xylenes	13.3	0.0250	15.0	ND	88.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.0*	*70-130*			
Matrix Spike Dup (2522011-MSD1)				**Source: E505276-08**					Prepared: 05/27/25 Analyzed: 05/29/25
Benzene	5.41	0.0250	5.00	ND	108	70-130	20.0	27	
Ethylbenzene	5.36	0.0250	5.00	ND	107	70-130	20.4	26	
Toluene	5.38	0.0250	5.00	ND	108	70-130	20.0	20	
o-Xylene	5.34	0.0250	5.00	ND	107	70-130	19.3	25	
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130	20.0	23	
Total Xylenes	16.2	0.0250	15.0	ND	108	70-130	19.8	26	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 3:58:14PM

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 (2522011-BLK1)									Prepared: 05/27/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*9.04*		*8.00*		*113*	*70-130*			
LCS (2522011-BS2)									Prepared: 05/27/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*9.13*		*8.00*		*114*	*70-130*			
Matrix Spike (2522011-MS2)				**Source: E505276-08**					Prepared: 05/27/25 Analyzed: 05/30/25
Gasoline Range Organics (C6-C10)	52.1	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.26*		*8.00*		*103*	*70-130*			
Matrix Spike Dup (2522011-MSD2)				**Source: E505276-08**					Prepared: 05/27/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	54.9	20.0	50.0	ND	110	70-130	5.20	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.82*		*8.00*		*110*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 3:58:14PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522064-BLK1)									Prepared: 05/29/25 Analyzed: 05/29/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*61-141*			
LCS (2522064-BS1)									Prepared: 05/29/25 Analyzed: 05/29/25
Diesel Range Organics (C10-C28)	282	25.0	250		113	66-144			
Surrogate: n-Nonane	*50.6*		*50.0*		*101*	*61-141*			
Matrix Spike (2522064-MS1)				**Source: E505275-04**					Prepared: 05/29/25 Analyzed: 05/29/25
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	56-156			
Surrogate: n-Nonane	*53.7*		*50.0*		*107*	*61-141*			
Matrix Spike Dup (2522064-MSD1)				**Source: E505275-04**					Prepared: 05/29/25 Analyzed: 05/29/25
Diesel Range Organics (C10-C28)	302	25.0	250	ND	121	56-156	1.21	20	
Surrogate: n-Nonane	*53.8*		*50.0*		*108*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 3:58:14PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522056-BLK1)									Prepared: 05/28/25 Analyzed: 05/29/25
Chloride	ND	20.0							
LCS (2522056-BS1)									Prepared: 05/28/25 Analyzed: 05/29/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2522056-MS1)				**Source: E505275-03**					Prepared: 05/28/25 Analyzed: 05/29/25
Chloride	361	20.0	250	112	99.7	80-120			
Matrix Spike Dup (2522056-MSD1)				**Source: E505275-03**					Prepared: 05/28/25 Analyzed: 05/29/25
Chloride	365	20.0	250	112	101	80-120	1.01	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	05/30/25 15:58

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: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E508279	Job Number 01058-0007	1D 2D 3D Std: x	NM CO UT TX
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 19285; IN: nKJ1534531959			
Email: NMTXGeoGroup@etechenv.com				

Analysis and Method: Chloride 300.0; TPH 8015M; BTEX by 8021; VOC by 8260; Chloride 300.0; TDS 160.1; RCRA 8 Metals; BTEX by 8021; Volatiles 8260

EPA Program: SDWA | CWA | RCRA; Compliance: Y or N; PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	Sample Temp	Remarks
14:00	5/20/2025	S	1	BH01	0.5	1	5.1	
14:10	5/20/2025	S	1	BH01	1	2	4.8	
14:20	5/20/2025	S	1	BH01	2	3	4.4	
14:30	5/20/2025	S	1	BH01	3	4	4.0	
14:40	5/20/2025	S	1	BH01	4	5	5.0	

05/23/2025

Additional Instructions:

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

Sampled by: Edyta Bohan

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	05/23/25	11:50	Michelle Gonzales	5-23-25	1150
Michelle Gonzales	52325	1640		5.23.25	1640
	5.23.25	2245	Caitlin Mars	5-27-25	915

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: Y / N

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

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

Envirotech Analytical Laboratory

Printed: 5/27/2025 9:47:01AM

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:	Devon Energy - Carlsbad	Date Received:	05/27/25 07:15	Work Order ID:	E505279
Phone:	(575) 748-0176	Date Logged In:	05/23/25 16:44	Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	06/02/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 State COM #008
Work Order:	E505269
Job Number:	01058-0007
Received:	5/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/30/25

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: 5/30/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Black Mamba 15 State COM #008
Workorder: E505269
Date Received: 5/27/2025 7:15:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/27/2025 7:15:00AM, under the Project Name: Black Mamba 15 State COM #008.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 State COM #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	05/30/25 14:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 0.5	E505269-01A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH02 1	E505269-02A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH02 2	E505269-03A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH02 3	E505269-04A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH02 4	E505269-05A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH03 0.5	E505269-06A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH03 1	E505269-07A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH03 2	E505269-08A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH03 3	E505269-09A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH03 4	E505269-10A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH04 0.5	E505269-11A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH04 1	E505269-12A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH04 2	E505269-13A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH04 3	E505269-14A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH04 4	E505269-15A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH05 0.5	E505269-16A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH05 1	E505269-17A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH05 2	E505269-18A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH05 3	E505269-19A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH05 4	E505269-20A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH06 0.5	E505269-21A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH06 1	E505269-22A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH06 2	E505269-23A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH06 3	E505269-24A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.
BH06 4	E505269-25A	Soil	05/21/25	05/27/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH02 0.5

E505269-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/28/25	
Toluene	ND	0.0250	1	05/27/25	05/28/25	
o-Xylene	ND	0.0250	1	05/27/25	05/28/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/28/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.2 %*	*70-130*	*05/27/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*05/27/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH02 1

E505269-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/28/25	
Toluene	ND	0.0250	1	05/27/25	05/28/25	
o-Xylene	ND	0.0250	1	05/27/25	05/28/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/28/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.6 %*	*70-130*	*05/27/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*05/27/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH02 2

E505269-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.3 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH02 3

E505269-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.4 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH02 4

E505269-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.5 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.4 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH03 0.5

E505269-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/28/25	
Toluene	ND	0.0250	1	05/27/25	05/28/25	
o-Xylene	ND	0.0250	1	05/27/25	05/28/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/28/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.4 %*	*70-130*	*05/27/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*05/27/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH03 1

E505269-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.4 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH03 2

E505269-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.8 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH03 3

E505269-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.3 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH03 4

E505269-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH04 0.5

E505269-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.4 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.6 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH04 1

E505269-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.4 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH04 2

E505269-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH04 3

E505269-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH04 4

E505269-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.4 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH05 0.5

E505269-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.7 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH05 1

E505269-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH05 2

E505269-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.3 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH05 3

E505269-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.2 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH05 4

E505269-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.1 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522029
Chloride	ND	20.0	1	05/27/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH06 0.5

E505269-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.0 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522035
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH06 1

E505269-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.0 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522035
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH06 2

E505269-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.8 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522035
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH06 3

E505269-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.8 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522035
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

BH06 4

E505269-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522035
Chloride	ND	20.0	1	05/28/25	05/28/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

Volatile Organics by EPA 8021B

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 (2522004-BLK1)									Prepared: 05/27/25 Analyzed: 05/28/25
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	*7.31*		*8.00*		*91.3*	*70-130*			
LCS (2522004-BS1)									Prepared: 05/27/25 Analyzed: 05/28/25
Benzene	4.86	0.0250	5.00		97.2	70-130			
Ethylbenzene	4.78	0.0250	5.00		95.6	70-130			
Toluene	4.84	0.0250	5.00		96.8	70-130			
o-Xylene	4.78	0.0250	5.00		95.7	70-130			
p,m-Xylene	9.70	0.0500	10.0		97.0	70-130			
Total Xylenes	14.5	0.0250	15.0		96.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.33*		*8.00*		*91.7*	*70-130*			
Matrix Spike (2522004-MS1)				**Source: E505269-06**					Prepared: 05/27/25 Analyzed: 05/28/25
Benzene	5.57	0.0250	5.00	ND	111	70-130			
Ethylbenzene	5.48	0.0250	5.00	ND	110	70-130			
Toluene	5.54	0.0250	5.00	ND	111	70-130			
o-Xylene	5.40	0.0250	5.00	ND	108	70-130			
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130			
Total Xylenes	16.4	0.0250	15.0	ND	110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.25*		*8.00*		*90.7*	*70-130*			
Matrix Spike Dup (2522004-MSD1)				**Source: E505269-06**					Prepared: 05/27/25 Analyzed: 05/28/25
Benzene	5.41	0.0250	5.00	ND	108	70-130	3.00	27	
Ethylbenzene	5.33	0.0250	5.00	ND	107	70-130	2.74	26	
Toluene	5.38	0.0250	5.00	ND	107	70-130	2.99	20	
o-Xylene	5.27	0.0250	5.00	ND	105	70-130	2.57	25	
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130	2.56	23	
Total Xylenes	16.0	0.0250	15.0	ND	107	70-130	2.56	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.24*		*8.00*		*90.5*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

Volatile Organics by EPA 8021B

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 (2522006-BLK1)									Prepared: 05/27/25 Analyzed: 05/29/25
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	*6.64*		*8.00*		*83.0*	*70-130*			
LCS (2522006-BS1)									Prepared: 05/27/25 Analyzed: 05/29/25
Benzene	5.02	0.0250	5.00		100	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.3	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
o-Xylene	4.90	0.0250	5.00		98.0	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	14.9	0.0250	15.0		99.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.01*		*8.00*		*87.7*	*70-130*			
Matrix Spike (2522006-MS1)				**Source: E505269-25**					Prepared: 05/27/25 Analyzed: 05/29/25
Benzene	5.09	0.0250	5.00	ND	102	70-130			
Ethylbenzene	5.03	0.0250	5.00	ND	101	70-130			
Toluene	5.08	0.0250	5.00	ND	102	70-130			
o-Xylene	4.99	0.0250	5.00	ND	99.7	70-130			
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130			
Total Xylenes	15.2	0.0250	15.0	ND	101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.32*		*8.00*		*91.4*	*70-130*			
Matrix Spike Dup (2522006-MSD1)				**Source: E505269-25**					Prepared: 05/27/25 Analyzed: 05/29/25
Benzene	5.06	0.0250	5.00	ND	101	70-130	0.526	27	
Ethylbenzene	5.03	0.0250	5.00	ND	101	70-130	0.0954	26	
Toluene	5.06	0.0250	5.00	ND	101	70-130	0.385	20	
o-Xylene	4.99	0.0250	5.00	ND	99.7	70-130	0.0221	25	
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130	0.0358	23	
Total Xylenes	15.2	0.0250	15.0	ND	101	70-130	0.0168	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.37*		*8.00*		*92.2*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

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 (2522004-BLK1)									Prepared: 05/27/25 Analyzed: 05/28/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.68*		*8.00*		*96.0*	*70-130*			
LCS (2522004-BS2)									Prepared: 05/27/25 Analyzed: 05/28/25
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0		85.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.94*		*8.00*		*99.2*	*70-130*			
Matrix Spike (2522004-MS2)				**Source: E505269-06**					Prepared: 05/27/25 Analyzed: 05/28/25
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.91*		*8.00*		*98.9*	*70-130*			
Matrix Spike Dup (2522004-MSD2)				**Source: E505269-06**					Prepared: 05/27/25 Analyzed: 05/28/25
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.8	70-130	0.489	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.5*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

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 (2522006-BLK1)									Prepared: 05/27/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.9*	*70-130*			
LCS (2522006-BS2)									Prepared: 05/27/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0		86.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.93*		*8.00*		*99.1*	*70-130*			
Matrix Spike (2522006-MS2)				**Source: E505269-25**					Prepared: 05/27/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.9*	*70-130*			
Matrix Spike Dup (2522006-MSD2)				**Source: E505269-25**					Prepared: 05/27/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.9	70-130	2.92	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.5*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522031-BLK1)									Prepared: 05/28/25 Analyzed: 05/29/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.5*		*50.0*		*111*	*61-141*			
LCS (2522031-BS1)									Prepared: 05/28/25 Analyzed: 05/29/25
Diesel Range Organics (C10-C28)	292	25.0	250		117	66-144			
Surrogate: n-Nonane	*54.9*		*50.0*		*110*	*61-141*			
Matrix Spike (2522031-MS1)				**Source: E505269-05**					Prepared: 05/28/25 Analyzed: 05/29/25
Diesel Range Organics (C10-C28)	300	25.0	250	ND	120	56-156			
Surrogate: n-Nonane	*56.7*		*50.0*		*113*	*61-141*			
Matrix Spike Dup (2522031-MSD1)				**Source: E505269-05**					Prepared: 05/28/25 Analyzed: 05/29/25
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	56-156	0.478	20	
Surrogate: n-Nonane	*56.5*		*50.0*		*113*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522032-BLK1)									Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.0*		*50.0*		*112*	*61-141*			
LCS (2522032-BS1)									Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	297	25.0	250		119	66-144			
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*61-141*			
Matrix Spike (2522032-MS1)				**Source: E505260-08**					Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	310	25.0	250	ND	124	56-156			
Surrogate: n-Nonane	*57.1*		*50.0*		*114*	*61-141*			
Matrix Spike Dup (2522032-MSD1)				**Source: E505260-08**					Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	311	25.0	250	ND	125	56-156	0.517	20	
Surrogate: n-Nonane	*57.1*		*50.0*		*114*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522029-BLK1)									Prepared: 05/27/25 Analyzed: 05/28/25
Chloride	ND	20.0							
LCS (2522029-BS1)									Prepared: 05/27/25 Analyzed: 05/28/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2522029-MS1)				**Source: E505269-04**					Prepared: 05/27/25 Analyzed: 05/28/25
Chloride	251	20.0	250	ND	100	80-120			
Matrix Spike Dup (2522029-MSD1)				**Source: E505269-04**					Prepared: 05/27/25 Analyzed: 05/28/25
Chloride	252	20.0	250	ND	101	80-120	0.287	20	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:25:09PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522035-BLK1)									Prepared: 05/28/25 Analyzed: 05/28/25
Chloride	ND	20.0							
LCS (2522035-BS1)									Prepared: 05/28/25 Analyzed: 05/28/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2522035-MS1)				**Source: E505296-03**					Prepared: 05/28/25 Analyzed: 05/28/25
Chloride	254	20.0	250	ND	101	80-120			
Matrix Spike Dup (2522035-MSD1)				**Source: E505296-03**					Prepared: 05/28/25 Analyzed: 05/28/25
Chloride	255	20.0	250	ND	102	80-120	0.450	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	05/30/25 14:25

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

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

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

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Received by OCD: 3/2/2026 1:23:51 PM

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Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E503269	Job Number 90519.0007	1D 2D 3D Std *	NM CO UT TX
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 19285; IN: nKJ1534531959			
Email: NMTXGeoGroup@etechenv.com				

Analysis and Method	EPA Program
	SDWA CWA RCRA
	Compliance Y or N
	PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	BTEX by 8021	VOC by 8260	Chloride 300.0	TPH 8015 GRO	TPH 8015 DRO	8015 MRO	TPH 8015 GRO DRO	TPH 8015 MRO	Sample Temp	Remarks
9:00	5/21/2025	S	1	BH02	0.5	1						X			4.2	
9:10	5/21/2025	S	1	BH02	1	2						X			4.0	
9:20	5/21/2025	S	1	BH02	2	3						X			3.9	
9:30	5/21/2025	S	1	BH02	3	4						X			3.6	
9:40	5/21/2025	S	1	BH02	4	5						X			3.4	
9:50	5/21/2025	S	1	BH03	0.5	6						X			3.6	
10:00	5/21/2025	S	1	BH03	1	7						X			4.8	
10:10	5/21/2025	S	1	BH03	2	8						X			4.6	
10:20	5/21/2025	S	1	BH03	3	9						X			4.4	
10:30	5/21/2025	S	1	BH03	4	10						X			4.2	

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	05/23/25	11:50	Michelle Gonzales	5.23.25	1150
Michelle Gonzales	52325	1640	[signature]	5.23.25	1640
[signature]	5.23.25	2245	Caitlin Mars	5.27.25	915
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: (Y) N

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

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

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Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E535209	Job Number 01058-0007	1D 2D 3D Std: X	NM CO UT TX
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206816: PN: 19285; IN: nKJ1534531959			
Email: NMTXGeoGroup@etechenv.com				

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance: Y | or | N

PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCLP GRO - TX	TCLP & Metals	Cations - NM	Cations - TX	Sample Temp	Remarks
10:40	5/21/2025	S	1	BH04	0.5	11								X		3.8	
10:50	5/21/2025	S	1	BH04	1	12								X		3.6	
11:00	5/21/2025	S	1	BH04	2	13								X		3.4	
11:10	5/21/2025	S	1	BH04	3	14								X		4.0	
11:20	5/21/2025	S	1	BH04	4	15								X		4.2	
11:30	5/21/2025	S	1	BH05	0.5	16								X		3.2	
11:40	5/21/2025	S	1	BH05	1	17								X		4.6	
11:50	5/21/2025	S	1	BH05	2	18								X		4.8	
12:00	5/21/2025	S	1	BH05	3	19								X		3.8	
12:10	5/21/2025	S	1	BH05	4	20								X		3.6	

Additional Instructions:

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

Sampled by: Elijah Flores

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	05/23/25	11:50	Michelle Gonzales	5.23.25	1150
Michelle Gonzales	5.23.25	1640	[signature]	5.23.25	1640
[signature]	5.23.25	2245	Caitlin Mann	5/27/25	715
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: (Y) N

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

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

Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E505219	Job Number 10059.1007	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.						x					
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220											
Address: 13000 W County Rd 100	Phone: 575-885-7502											
City, State, Zip: Odessa, TX, 79765	Email: jim.raley@dvn.com											
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 19285; IN: nKJ1534531959											
Email: NMTXGeoGroup@etechenv.com												

Sample Information							Analysis and Method										EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	EDB by 8011	VOC by 8260	Chloride 300.0	TPH 8015 - TX	BTEX by 8260		BTEX - NM	BTEX - TX		SDWA	CWA	RCRA
																		Compliance	Y	or N
																		PWSID #		
12:20	5/21/2025	S	1	BH06	0.5	21									X			4.2		
12:30	5/21/2025	S	1	BH06	1	22									X			4.0		
12:40	5/21/2025	S	1	BH06	2	23									X			3.8		
12:50	5/21/2025	S	1	BH06	3	24									X			4.2		
13:00	5/21/2025	S	1	BH06	4	25									X			4.6		

05/23/2025

Additional Instructions:

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

Sampled by: Dylan Kraus

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	5/23/25	11:50	Michelle Gonzales	5.23.25	1150
Michelle Gonzales	5.23.25	1640	[signature]	5.23.25	1640
[signature]	5.23.25	2245	[signature]	5/27/25	715

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: Y / N

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

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

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

Envirotech Analytical Laboratory

Printed: 5/27/2025 9:25:18AM

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:	Devon Energy - Carlsbad	Date Received:	05/27/25 07:15	Work Order ID:	E505269
Phone:	(575) 748-0176	Date Logged In:	05/23/25 16:04	Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	06/02/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 State COM #008
Work Order:	E505325
Job Number:	01058-0007
Received:	5/31/2025

Revision: 3

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/10/25

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

Date Reported: 6/10/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Black Mamba 15 State COM #008
Workorder: E505325
Date Received: 5/31/2025 6:15:09AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/31/2025 6:15:09AM, under the Project Name: Black Mamba 15 State COM #008.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 State COM #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	06/10/25 14:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH07 0.5'	E505325-01A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH07 1'	E505325-02A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH07 2'	E505325-03A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH07 3'	E505325-04A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH07 4'	E505325-05A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH08 0.5'	E505325-06A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH08 1'	E505325-07A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH08 2'	E505325-08A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH08 3'	E505325-09A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH08 4'	E505325-10A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH09 0.5'	E505325-11A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH09 1'	E505325-12A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH09 2'	E505325-13A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH09 3'	E505325-14A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH09 4'	E505325-15A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 2:32:40PM

BH07 0.5'

E505325-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523086
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523035
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 2:32:40PM

BH07 1'

E505325-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*110 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523086
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523035
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 2:32:40PM

BH07 2'

E505325-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*114 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523086
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523035
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 2:32:40PM

BH07 3'

E505325-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523086
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523035
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 2:32:40PM

BH07 4'

E505325-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523086
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523035
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 2:32:40PM

BH08 0.5'

E505325-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523086
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523035
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 2:32:40PM

BH08 1'

E505325-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523086
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523035
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 2:32:40PM

BH08 2'

E505325-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523086
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523035
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 2:32:40PM

BH08 3'

E505325-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523086
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523035
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 2:32:40PM

BH08 4'

E505325-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523086
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523035
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 2:32:40PM

BH09 0.5'

E505325-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523086
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523035
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 2:32:40PM

BH09 1'

E505325-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*104 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523086
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523035
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 2:32:40PM

BH09 2'

E505325-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523086
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523035
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 2:32:40PM

BH09 3'

E505325-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*103 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523086
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523035
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 2:32:40PM

BH09 4'

E505325-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*05/31/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523086
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523035
Chloride	ND	20.0	1	06/02/25	06/03/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 2:32:40PM

Volatile Organics by EPA 8021B

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 (2522096-BLK1)									Prepared: 05/31/25 Analyzed: 06/02/25
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	*7.86*		*8.00*		*98.3*	*70-130*			
LCS (2522096-BS1)									Prepared: 05/31/25 Analyzed: 06/02/25
Benzene	4.82	0.0250	5.00		96.4	70-130			
Ethylbenzene	4.78	0.0250	5.00		95.6	70-130			
Toluene	4.80	0.0250	5.00		95.9	70-130			
o-Xylene	4.77	0.0250	5.00		95.3	70-130			
p,m-Xylene	9.71	0.0500	10.0		97.1	70-130			
Total Xylenes	14.5	0.0250	15.0		96.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.04*		*8.00*		*101*	*70-130*			
Matrix Spike (2522096-MS1)				**Source: E505325-03**					Prepared: 05/31/25 Analyzed: 06/02/25
Benzene	4.90	0.0250	5.00	ND	97.9	70-130			
Ethylbenzene	4.85	0.0250	5.00	ND	97.0	70-130			
Toluene	4.87	0.0250	5.00	ND	97.4	70-130			
o-Xylene	4.82	0.0250	5.00	ND	96.4	70-130			
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	70-130			
Total Xylenes	14.7	0.0250	15.0	ND	97.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.98*		*8.00*		*99.8*	*70-130*			
Matrix Spike Dup (2522096-MSD1)				**Source: E505325-03**					Prepared: 05/31/25 Analyzed: 06/02/25
Benzene	4.97	0.0250	5.00	ND	99.4	70-130	1.46	27	
Ethylbenzene	4.94	0.0250	5.00	ND	98.7	70-130	1.80	26	
Toluene	4.94	0.0250	5.00	ND	98.9	70-130	1.54	20	
o-Xylene	4.90	0.0250	5.00	ND	97.9	70-130	1.56	25	
p,m-Xylene	10.0	0.0500	10.0	ND	100	70-130	1.69	23	
Total Xylenes	14.9	0.0250	15.0	ND	99.4	70-130	1.65	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.13*		*8.00*		*102*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 2:32:40PM

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 (2522096-BLK1)									Prepared: 05/31/25 Analyzed: 06/02/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.68*		*8.00*		*109*	*70-130*			
LCS (2522096-BS2)									Prepared: 05/31/25 Analyzed: 06/02/25
Gasoline Range Organics (C6-C10)	50.2	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.60*		*8.00*		*107*	*70-130*			
Matrix Spike (2522096-MS2)				**Source: E505325-03**					Prepared: 05/31/25 Analyzed: 06/02/25
Gasoline Range Organics (C6-C10)	52.6	20.0	50.0	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*9.11*		*8.00*		*114*	*70-130*			
Matrix Spike Dup (2522096-MSD2)				**Source: E505325-03**					Prepared: 05/31/25 Analyzed: 06/02/25
Gasoline Range Organics (C6-C10)	53.7	20.0	50.0	ND	107	70-130	2.03	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.61*		*8.00*		*108*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 2:32:40PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523086-BLK1)									Prepared: 06/04/25 Analyzed: 06/04/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.1*		*50.0*		*110*	*61-141*			
LCS (2523086-BS1)									Prepared: 06/04/25 Analyzed: 06/04/25
Diesel Range Organics (C10-C28)	292	25.0	250		117	66-144			
Surrogate: n-Nonane	*54.0*		*50.0*		*108*	*61-141*			
Matrix Spike (2523086-MS1)				**Source: E505325-10RE1**					Prepared: 06/04/25 Analyzed: 06/04/25
Diesel Range Organics (C10-C28)	301	25.0	250	ND	121	56-156			
Surrogate: n-Nonane	*55.8*		*50.0*		*112*	*61-141*			
Matrix Spike Dup (2523086-MSD1)				**Source: E505325-10RE1**					Prepared: 06/04/25 Analyzed: 06/04/25
Diesel Range Organics (C10-C28)	296	25.0	250	ND	118	56-156	1.78	20	
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 2:32:40PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523035-BLK1)									Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	ND	20.0							
LCS (2523035-BS1)									Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2523035-MS1)				**Source: E505325-04**					Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2523035-MSD1)				**Source: E505325-04**					Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	255	20.0	250	ND	102	80-120	0.342	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	06/10/25 14:32

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: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E505325	Job Number 01058·0007	1D 2D 3D Std: x	NM CO UT TX
Project: Black Mamba 1S STATE COM #008	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip_Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 19285; IN: nKJ1534531959			
Email: NMTXGeoGroup@etechenv.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCLP 1005 - TX	RCRA 8 Metals		8260C - NM	8260C - TX	Sample Temp	Remarks
11:00	5/29/2025	S	1	BH07	0.5	1									X		4.1	
11:10	5/29/2025	S	1	BH07	1	2									X		4.6	
11:20	5/29/2025	S	1	BH07	2	3									X		3.8	
11:30	5/29/2025	S	1	BH07	3	4									X		3.6	
11:40	5/29/2025	S	1	BH07	4	5									X		4.8	
11:50	5/29/2025	S	1	BH08	0.5	6									X		4.6	
12:00	5/29/2025	S	1	BH08	1	7									X		4.4	
12:10	5/29/2025	S	1	BH08	2	8									X		5.0	
12:20	5/29/2025	S	1	BH08	3	9									X		4.1	
12:30	5/29/2025	S	1	BH08	4	10									X		4.2	

Analysis and Method | EPA Program: SDWA | CWA | RCRA

Compliance | Y | or | N

PWSID #

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: Edyte Koman

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	05/30/2025	9:30	Marissa Gonzales	5-30-25	0930
Marissa Gonzales	5-30-25	1750	[signature]	5.30.25	1800
[signature]	5.31.25	0200	[signature]	5.31.25	0615

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: (Y) / N

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

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

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Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E505325	Job Number 01058-0007	1D 2D 3D Std: x	NM CO UT TX
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip_Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 19285; IN: nKJ1534531959			
Email: NMTXGeoGroup@etechenv.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TDS 160.1 - TX	RCRA 8 Metals		1600IC - NM	1600IC - TX	Sample Temp	Remarks
12:40	5/29/2025	S	1	BH09	0.5	11									X		4.6	
12:50	5/29/2025	S	1	BH09	1	12									X		3.6	
13:00	5/29/2025	S	1	BH09	2	13									X		4.2	
13:10	5/29/2025	S	1	BH09	3	14									X		4.0	
13:20	5/29/2025	S	1	BH09	4	15									X		4.0	

05/30/2025

EPA Program: SDWA | CWA | RCRA
Compliance: Y or N
PWSID #:

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: Edyte Konan

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[illegible]	05/30/25	9:30	Marissa Gonzales	5-30-25	0930
Marissa Gonzales	5-30-25	1750	L.M.	5.30.25	1800
L.M.	5.31.25	0200	Noe Sotelo	5.31.25	0615

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: (Y) N

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

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

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Envirotech Analytical Laboratory

Printed: 6/2/2025 10:46:35AM

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:	Devon Energy - Carlsbad	Date Received:	05/31/25 06:15	Work Order ID:	E505325
Phone:	(575) 748-0176	Date Logged In:	05/30/25 15:59	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	06/06/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E605325	Job Number 01058-0007	1D 2D 3D Std: x	NM CO UT TX
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 19285; IN: nXJ1534531959			
Email: NMTXGeoGroup@etechenv.com				

Analysis and Method: GRO/DRO by 8015 | GRO/DRO by 8015 | 8021B by 8021B | VOC by 8260 | Chloride 300.0 | TCLP Lead 6010 | PCB's 8082/608 | BTEX - NM | BTEX - TX

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	BTEX - NM	Sample Limit	Remarks
11:00	5/29/2025	S	1	BH07	0.5'	1	X	4.1	Added
11:10	5/29/2025	S	1	BH07	1'	2	X	4.6	Apostrophe's
11:20	5/29/2025	S	1	BH07	2'	3	X	3.8	to all Sample
11:30	5/29/2025	S	1	BH07	3'	4	X	3.6	depths per
11:40	5/29/2025	S	1	BH07	4'	5	X	4.8	Abe.V
11:50	5/29/2025	S	1	BH08	0.5'	6	X	4.6	6/6/25 CM
12:00	5/29/2025	S	1	BH08	1'	7	X	4.4	
12:10	5/29/2025	S	1	BH08	2'	8	X	5.0	
12:20	5/29/2025	S	1	BH08	3'	9	X	4.1	
12:30	5/29/2025	S	1	BH08	4'	10	X	4.2	

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: Edyta Pinero

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	05/30/2025	9:30	Marissa Gonzales	5-30-25	0930
Marissa Gonzales	5-30-25	1750	[signature]	5.30.25	1800
[signature]	5.31.25	0200	[signature]	5/31/25	615

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: (Y) N

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

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

Released to Imaging: 3/31/2026 4:57:35 PM

Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E705325	Job Numbers 01056-0007	1D 2D 3D Std: x	NM CO UT TX
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 19285; IN: nKJ1534531959			
Email: NMTXGeoGroup@etechenv.com				

Sample Information							Analysis and Method										EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCLP 1005 - TX	RCRA 8 Metals		8500C - NM	8500C - TX	SDWA	CWA	RCRA
																	Compliance	Y	or N
																	PWSID #		
12:40	5/29/2025	S	1	BH09	0.5'	11									X		Sample Temp 4.6	Remarks	
12:50	5/29/2025	S	1	BH09	1'	12									X		3.6		
13:00	5/29/2025	S	1	BH09	2'	13									X		4.2		
13:10	5/29/2025	S	1	BH09	3'	14									X		4.0		
13:20	5/29/2025	S	1	BH09	4'	15									X		4.0		
				05/30/2025															

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	05/30/25	9 30	Mariana Gonzales	5-30-25	0950
Mariana Gonzales	5-30-25	1750	[signature]	5.30.25	1800
[signature]	5.31.25	0200	Noe Sotelo	5.31.25	0615
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: (Y) N

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

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

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 State COM #008
Work Order:	E505270
Job Number:	01058-0007
Received:	5/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/2/25

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

Date Reported: 6/2/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Black Mamba 15 State COM #008
Workorder: E505270
Date Received: 5/27/2025 7:15:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/27/2025 7:15:00AM, under the Project Name: Black Mamba 15 State COM #008.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 State COM #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	06/02/25 09:21

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH10 0.5	E505270-01A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH10 1	E505270-02A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH10 2	E505270-03A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH10 3	E505270-04A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH10 4	E505270-05A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH11 0.5	E505270-06A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH11 1	E505270-07A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH11 2	E505270-08A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH11 3	E505270-09A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH11 4	E505270-10A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH12 0.5	E505270-11A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH12 1	E505270-12A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH12 2	E505270-13A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH12 3	E505270-14A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH12 4	E505270-15A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH13 0.5	E505270-16A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH13 1	E505270-17A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH13 2	E505270-18A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH13 3	E505270-19A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH13 4	E505270-20A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH10 0.5

E505270-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.5 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH10 1

E505270-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH10 2

E505270-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.1 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH10 3

E505270-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH10 4

E505270-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH11 0.5

E505270-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH11 1

E505270-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.5 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH11 2

E505270-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.5 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	**25.9**	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH11 3

E505270-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	**29.2**	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH11 4

E505270-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	**222**	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH12 0.5

E505270-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH12 1

E505270-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.4 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	**26.8**	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH12 2

E505270-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.2 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	**243**	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH12 3

E505270-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.4 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	**46.8**	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH12 4

E505270-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH13 0.5

E505270-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH13 1

E505270-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH13 2

E505270-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH13 3

E505270-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.1 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

BH13 4

E505270-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522033
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522036
Chloride	ND	20.0	1	05/28/25	05/28/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522005-BLK1)									Prepared: 05/27/25 Analyzed: 05/29/25
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	*7.91*		*8.00*		*98.9*	*70-130*			
LCS (2522005-BS1)									Prepared: 05/27/25 Analyzed: 05/30/25
Benzene	5.29	0.0250	5.00		106	70-130			
Ethylbenzene	5.29	0.0250	5.00		106	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.21	0.0250	5.00		104	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.16*		*8.00*		*102*	*70-130*			
Matrix Spike (2522005-MS1)				**Source: E505270-04**					Prepared: 05/27/25 Analyzed: 05/30/25
Benzene	5.04	0.0250	5.00	ND	101	70-130			
Ethylbenzene	5.05	0.0250	5.00	ND	101	70-130			
Toluene	5.07	0.0250	5.00	ND	101	70-130			
o-Xylene	4.99	0.0250	5.00	ND	99.7	70-130			
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130			
Total Xylenes	15.2	0.0250	15.0	ND	101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.18*		*8.00*		*102*	*70-130*			
Matrix Spike Dup (2522005-MSD1)				**Source: E505270-04**					Prepared: 05/27/25 Analyzed: 05/30/25
Benzene	5.16	0.0250	5.00	ND	103	70-130	2.29	27	
Ethylbenzene	5.18	0.0250	5.00	ND	104	70-130	2.37	26	
Toluene	5.19	0.0250	5.00	ND	104	70-130	2.29	20	
o-Xylene	5.11	0.0250	5.00	ND	102	70-130	2.41	25	
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130	2.41	23	
Total Xylenes	15.5	0.0250	15.0	ND	104	70-130	2.41	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.19*		*8.00*		*102*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522005-BLK1)									Prepared: 05/27/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.6*	*70-130*			
LCS (2522005-BS2)									Prepared: 05/27/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	44.4	20.0	50.0		88.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.97*		*8.00*		*99.6*	*70-130*			
Matrix Spike (2522005-MS2)				**Source: E505270-04**					Prepared: 05/27/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	46.1	20.0	50.0	ND	92.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.87*		*8.00*		*98.3*	*70-130*			
Matrix Spike Dup (2522005-MSD2)				**Source: E505270-04**					Prepared: 05/27/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	95.0	70-130	2.95	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.93*		*8.00*		*99.1*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522033-BLK1)									Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.1*		*50.0*		*110*	*61-141*			
LCS (2522033-BS1)									Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	288	25.0	250		115	66-144			
Surrogate: n-Nonane	*52.4*		*50.0*		*105*	*61-141*			
Matrix Spike (2522033-MS1)				**Source: E505270-03**					Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	291	25.0	250	ND	116	56-156			
Surrogate: n-Nonane	*53.1*		*50.0*		*106*	*61-141*			
Matrix Spike Dup (2522033-MSD1)				**Source: E505270-03**					Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	56-156	0.775	20	
Surrogate: n-Nonane	*52.7*		*50.0*		*105*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/2/2025 9:21:08AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522036-BLK1)									Prepared: 05/28/25 Analyzed: 05/28/25
Chloride	ND	20.0							
LCS (2522036-BS1)									Prepared: 05/28/25 Analyzed: 05/28/25
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2522036-MS1)				**Source: E505270-04**					Prepared: 05/28/25 Analyzed: 05/28/25
Chloride	262	20.0	250	ND	105	80-120			
Matrix Spike Dup (2522036-MSD1)				**Source: E505270-04**					Prepared: 05/28/25 Analyzed: 05/28/25
Chloride	259	20.0	250	ND	104	80-120	0.954	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	06/02/25 09:21

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: 3/31/2026 4:57:35 PM

Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co	Lab WO# E506270	Job Number 01058-0007	1D 2D 3D Std: x	NM CO UT TX
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 19285; IN: nKJ1534531959			
Email: NMTXGeoGroup@etechenv.com				

Analysis and Method / EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	BTEX by 8021	BTEX	Sample Temp	Remarks
11:00	5/22/2025	S	1	BH10	0.5	1		X	4.8	
11:10	5/22/2025	S	1	BH10	1	2		X	4.6	
11:20	5/22/2025	S	1	BH10	2	3		X	4.2	
11:30	5/22/2025	S	1	BH10	3	4		X	5.0	
11:40	5/22/2025	S	1	BH10	4	5		X	4.9	
11:50	5/22/2025	S	1	BH11	0.5	6		X	5.0	
12:00	5/22/2025	S	1	BH11	1	7		X	4.2	
12:10	5/22/2025	S	1	BH11	2	8		X	4.6	
12:20	5/22/2025	S	1	BH11	3	9		X	4.3	
12:30	5/22/2025	S	1	BH11	4	10		X	3.8	

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	05/23/25	1150	Michelle Gonzales	5.23.25	1150
Michelle Gonzales	5.23.25	1640		5.23.25	1640
	5.23.25	2245	Caitlin Mann	5/24/25	715

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: (Y) N

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

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

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Released to Imaging: 3/31/2026 4:57:35 PM

Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT				State				
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E505270	Job Number 30-015-55057	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.						x					
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220											
Address: 13000 W County Rd 100	Phone: 575-885-7502											
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com											
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 19285; IN: nKJ1534531959											
Email: NMTXGeoGroup@etechenv.com												

Analysis and Method												EPA Program			
												SDWA	CWA	RCRA	
												Compliance	Y	or	N
												PWSID #			

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number										Sample Temp	Remarks
12:40	5/22/2025	S	1	BH12	0.5	11								X		4.0	
12:50	5/22/2025	S	1	BH12	1	12								X		4.2	
13:00	5/22/2025	S	1	BH12	2	13								X		4.4	
13:10	5/22/2025	S	1	BH12	3	14								X		4.8	
13:20	5/22/2025	S	1	BH12	4	15								X		4.9	
13:30	5/22/2025	S	1	BH13	0.5	16								X		5.0	
13:40	5/22/2025	S	1	BH13	1	17								X		5.1	
13:50	5/22/2025	S	1	BH13	2	18								X		4.6	
14:00	5/22/2025	S	1	BH13	3	19								X		4.4	
14:10	5/22/2025	S	1	BH13	4	20								X		4.8	

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: Edgar Alanis

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	05/23/25	11:50	Michelle Gonzales	5.23.25	1150
Michelle Gonzales	5.23.25	1640		5.23.25	1640
	5.23.25	2245	Edgar Alanis	5/27/25	715

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: (Y) / N

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

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

Envirotech Analytical Laboratory

Printed: 5/27/2025 9:29:49AM

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:	Devon Energy - Carlsbad	Date Received:	05/27/25 07:15	Work Order ID:	E505270
Phone:	(575) 748-0176	Date Logged In:	05/23/25 16:11	Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	06/02/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes	
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Black Mamba 15 State Com #008 has been separated into multiple reports due to sample volume, WOs are E505270-E505271.

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 State COM #008
Work Order:	E505271
Job Number:	01058-0007
Received:	5/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/30/25

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: 5/30/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Black Mamba 15 State COM #008
Workorder: E505271
Date Received: 5/27/2025 7:15:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/27/2025 7:15:00AM, under the Project Name: Black Mamba 15 State COM #008.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 State COM #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	05/30/25 14:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH14 0.5	E505271-01A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH14 1	E505271-02A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH14 2	E505271-03A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH14 3	E505271-04A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH14 4	E505271-05A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH15 0.5	E505271-06A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH15 1	E505271-07A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH15 2	E505271-08A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH15 3	E505271-09A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH15 4	E505271-10A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH16 0.5	E505271-11A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH16 1	E505271-12A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH16 2	E505271-13A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH16 3	E505271-14A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.
BH16 4	E505271-15A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:27:16PM

BH14 0.5

E505271-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522045
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:27:16PM

BH14 1

E505271-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.5 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522045
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:27:16PM

BH14 2

E505271-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522045
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:27:16PM

BH14 3

E505271-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.0 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522045
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:27:16PM

BH14 4

E505271-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.4 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522045
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:27:16PM

BH15 0.5

E505271-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522045
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:27:16PM

BH15 1

E505271-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.8 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522045
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:27:16PM

BH15 2

E505271-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522045
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:27:16PM

BH15 3

E505271-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.6 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522045
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:27:16PM

BH15 4

E505271-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.1 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522045
Chloride	**154**	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:27:16PM

BH16 0.5

E505271-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	**0.118**	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.9 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522045
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:27:16PM

BH16 1

E505271-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.4 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522045
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:27:16PM

BH16 2

E505271-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522045
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:27:16PM

BH16 3

E505271-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.4 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522045
Chloride	**21.9**	20.0	1	05/28/25	05/28/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:27:16PM

BH16 4

E505271-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Benzene	ND	0.0250	1	05/27/25	05/29/25	
Ethylbenzene	ND	0.0250	1	05/27/25	05/29/25	
Toluene	ND	0.0250	1	05/27/25	05/29/25	
o-Xylene	ND	0.0250	1	05/27/25	05/29/25	
p,m-Xylene	ND	0.0500	1	05/27/25	05/29/25	
Total Xylenes	ND	0.0250	1	05/27/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.0 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522006
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/27/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*05/27/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522045
Chloride	**21.9**	20.0	1	05/28/25	05/28/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:27:16PM

Volatile Organics by EPA 8021B

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 (2522006-BLK1)									Prepared: 05/27/25 Analyzed: 05/29/25
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	*6.64*		*8.00*		*83.0*	*70-130*			
LCS (2522006-BS1)									Prepared: 05/27/25 Analyzed: 05/29/25
Benzene	5.02	0.0250	5.00		100	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.3	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
o-Xylene	4.90	0.0250	5.00		98.0	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	14.9	0.0250	15.0		99.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.01*		*8.00*		*87.7*	*70-130*			
Matrix Spike (2522006-MS1)				**Source: E505269-25**					Prepared: 05/27/25 Analyzed: 05/29/25
Benzene	5.09	0.0250	5.00	ND	102	70-130			
Ethylbenzene	5.03	0.0250	5.00	ND	101	70-130			
Toluene	5.08	0.0250	5.00	ND	102	70-130			
o-Xylene	4.99	0.0250	5.00	ND	99.7	70-130			
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130			
Total Xylenes	15.2	0.0250	15.0	ND	101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.32*		*8.00*		*91.4*	*70-130*			
Matrix Spike Dup (2522006-MSD1)				**Source: E505269-25**					Prepared: 05/27/25 Analyzed: 05/29/25
Benzene	5.06	0.0250	5.00	ND	101	70-130	0.526	27	
Ethylbenzene	5.03	0.0250	5.00	ND	101	70-130	0.0954	26	
Toluene	5.06	0.0250	5.00	ND	101	70-130	0.385	20	
o-Xylene	4.99	0.0250	5.00	ND	99.7	70-130	0.0221	25	
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130	0.0358	23	
Total Xylenes	15.2	0.0250	15.0	ND	101	70-130	0.0168	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.37*		*8.00*		*92.2*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:27:16PM

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 (2522006-BLK1)									Prepared: 05/27/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.9*	*70-130*			
LCS (2522006-BS2)									Prepared: 05/27/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0		86.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.93*		*8.00*		*99.1*	*70-130*			
Matrix Spike (2522006-MS2)				**Source: E505269-25**					Prepared: 05/27/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.9*	*70-130*			
Matrix Spike Dup (2522006-MSD2)				**Source: E505269-25**					Prepared: 05/27/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.9	70-130	2.92	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.5*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:27:16PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522034-BLK1)									Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.2*		*50.0*		*110*	*61-141*			
LCS (2522034-BS1)									Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	281	25.0	250		112	66-144			
Surrogate: n-Nonane	*54.4*		*50.0*		*109*	*61-141*			
Matrix Spike (2522034-MS1)				**Source: E505271-06**					Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*61-141*			
Matrix Spike Dup (2522034-MSD1)				**Source: E505271-06**					Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	56-156	1.74	20	
Surrogate: n-Nonane	*55.0*		*50.0*		*110*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	5/30/2025 2:27:16PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522045-BLK1)									Prepared: 05/28/25 Analyzed: 05/28/25
Chloride	ND	20.0							
LCS (2522045-BS1)									Prepared: 05/28/25 Analyzed: 05/28/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2522045-MS1)				**Source: E505271-02**					Prepared: 05/28/25 Analyzed: 05/28/25
Chloride	258	20.0	250	ND	103	80-120			
Matrix Spike Dup (2522045-MSD1)				**Source: E505271-02**					Prepared: 05/28/25 Analyzed: 05/28/25
Chloride	258	20.0	250	ND	103	80-120	0.0112	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	05/30/25 14:27

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: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E505271	Job Number 01058:0007	1D 2D 3D Std: x	NM CO UT TX
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 23206816; PN: 19285; IN: nKJ1534531959			
Email: NMTXGeoGroup@etechenv.com				

EPA Program		
SDWA	CWA	RCRA
Compliance: Y or N		
PWSID #		

Sample Information

Time Sampled	Date Sampled	Matrix	# Containers	Sample ID	Depth	Lab Number	Analysis and Method	Sample Temp	Remarks
14:20	5/22/2025	S	1	BH14	0.5	1	X	4.6	
14:30	5/22/2025	S	1	BH14	1	2	X	4.4	
14:40	5/22/2025	S	1	BH14	2	3	X	5.0	
14:50	5/22/2025	S	1	BH14	3	4	X	5.1	
15:00	5/22/2025	S	1	BH14	4	5	X	5.0	
15:10	5/22/2025	S	1	BH15	0.5	6	X	4.9	
15:20	5/22/2025	S	1	BH15	1	7	X	4.6	
15:30	5/22/2025	S	1	BH15	2	8	X	4.4	
15:40	5/22/2025	S	1	BH15	3	9	X	4.8	
15:50	5/22/2025	S	1	BH15	4	10	X	5.1	

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	05/23/25	11:50	Michelle Gonzales	5.23.25	1150
Michelle Gonzales	5.2325	1640	[signature]	5.23.25	1640
[signature]	5.23.25	2245	Caitlin Mair	5/24/25	915

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: (Y) N

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

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

Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E505271	Job Number 01959-007	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.						x					
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220											
Address: 13000 W County Rd 100	Phone: 575-885-7502											
City, State, Zip Odessa,TX, 79765	Email: jim.raley@dvn.com											
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 19285; IN: nKJ1534531959											
Email: NMTXGeoGroup@etechenv.com												

Analysis and Method												EPA Program			
												SDWA	CWA	RCRA	
												Compliance	Y	or	N
												PWSD #			

Sample Information

Time Sampled	Date Sampled	Matrix	# of Containers	Sample ID	Depth	Lab Number	BTEX/GRO by 8015	DRO/ORO by 8015	8021B by 8021	VOC by 8260	Chloride 300.0	TCLP 1311	RCRA 8 Metals		8015D GRO	Basic 19	Sample Temp	Remarks
16:00	5/22/2025	S	1	BH16	0.5	11									X		3.8	
16:10	5/22/2025	S	1	BH16	1	12									X		4.2	
16:20	5/22/2025	S	1	BH16	2	13									X		4.6	
16:30	5/22/2025	S	1	BH16	3	14									X		4.8	
16:40	5/22/2025	S	1	BH16	4	15									X		5.0	

05/23/2025

Additional Instructions:

(Field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally misleading the sample location, date or time of collection is considered fraud and may be grounds for legal action.
Sampled by: Edyn Romo

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	05/23/25	11:30	Michelle Gonzales	5.23.25	1150
Michelle Gonzales	5.23.25	1640	[signature]	5.23.25	1640
[signature]	5.23.25	2245	Caitlin Mars	5/27/25	715
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: (Y) N

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

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

Envirotech Analytical Laboratory

Printed: 5/27/2025 9:30:51AM

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:	Devon Energy - Carlsbad	Date Received:	05/27/25 07:15	Work Order ID:	E505271
Phone:	(575) 748-0176	Date Logged In:	05/23/25 16:12	Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	06/02/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Black Mamba 15 State Com #008 has been separated into multiple reports due to sample volume, WOs are E505270-E505271.

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 State COM #008
Work Order:	E505323
Job Number:	01058-0007
Received:	5/31/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/6/25

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

Date Reported: 6/6/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Black Mamba 15 State COM #008
Workorder: E505323
Date Received: 5/31/2025 6:15:09AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/31/2025 6:15:09AM, under the Project Name: Black Mamba 15 State COM #008.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 State COM #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	06/06/25 13:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH17 0.5'	E505323-01A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH17 1'	E505323-02A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH17 2'	E505323-03A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH17 3'	E505323-04A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH17 4'	E505323-05A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH18 0.5'	E505323-06A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH18 1'	E505323-07A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH18 2'	E505323-08A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH18 3'	E505323-09A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
BH18 4'	E505323-10A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/6/2025 1:03:14PM

BH17 0.5'

E505323-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522094
Benzene	ND	0.0250	1	06/01/25	06/01/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/01/25	
Toluene	ND	0.0250	1	06/01/25	06/01/25	
o-Xylene	ND	0.0250	1	06/01/25	06/01/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/01/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*06/01/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522094
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*06/01/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*95.9 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523033
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/6/2025 1:03:14PM

BH17 1'

E505323-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522094
Benzene	ND	0.0250	1	06/01/25	06/01/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/01/25	
Toluene	ND	0.0250	1	06/01/25	06/01/25	
o-Xylene	ND	0.0250	1	06/01/25	06/01/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/01/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/01/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522094
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*06/01/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523033
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/6/2025 1:03:14PM

BH17 2'

E505323-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522094
Benzene	ND	0.0250	1	06/01/25	06/01/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/01/25	
Toluene	ND	0.0250	1	06/01/25	06/01/25	
o-Xylene	ND	0.0250	1	06/01/25	06/01/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/01/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/01/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522094
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*06/01/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523033
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/6/2025 1:03:14PM

BH17 3'

E505323-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522094
Benzene	ND	0.0250	1	06/01/25	06/01/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/01/25	
Toluene	ND	0.0250	1	06/01/25	06/01/25	
o-Xylene	ND	0.0250	1	06/01/25	06/01/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/01/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/01/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522094
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*06/01/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523033
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/6/2025 1:03:14PM

BH17 4'

E505323-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522094
Benzene	ND	0.0250	1	06/01/25	06/01/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/01/25	
Toluene	ND	0.0250	1	06/01/25	06/01/25	
o-Xylene	ND	0.0250	1	06/01/25	06/01/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/01/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/01/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522094
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*06/01/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523033
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/6/2025 1:03:14PM

BH18 0.5'

E505323-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522094
Benzene	ND	0.0250	1	06/01/25	06/01/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/01/25	
Toluene	ND	0.0250	1	06/01/25	06/01/25	
o-Xylene	ND	0.0250	1	06/01/25	06/01/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/01/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*06/01/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522094
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*06/01/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523033
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/6/2025 1:03:14PM

BH18 1'

E505323-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522094
Benzene	ND	0.0250	1	06/01/25	06/01/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/01/25	
Toluene	ND	0.0250	1	06/01/25	06/01/25	
o-Xylene	ND	0.0250	1	06/01/25	06/01/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/01/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/01/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522094
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*06/01/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523033
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/6/2025 1:03:14PM

BH18 2'

E505323-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523073
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523095
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523089
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/6/2025 1:03:14PM

BH18 3'

E505323-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522094
Benzene	ND	0.0250	1	06/01/25	06/01/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/01/25	
Toluene	ND	0.0250	1	06/01/25	06/01/25	
o-Xylene	ND	0.0250	1	06/01/25	06/01/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/01/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*06/01/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522094
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*06/01/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523033
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/6/2025 1:03:14PM

BH18 4'

E505323-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522094
Benzene	ND	0.0250	1	06/01/25	06/01/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/01/25	
Toluene	ND	0.0250	1	06/01/25	06/01/25	
o-Xylene	ND	0.0250	1	06/01/25	06/01/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/01/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/01/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522094
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*06/01/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523033
Chloride	ND	20.0	1	06/02/25	06/02/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/6/2025 1:03:14PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522094-BLK1)									Prepared: 06/01/25 Analyzed: 06/01/25
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	*8.38*		*8.00*		*105*	*70-130*			
LCS (2522094-BS1)									Prepared: 06/01/25 Analyzed: 06/01/25
Benzene	5.52	0.0250	5.00		110	70-130			
Ethylbenzene	5.41	0.0250	5.00		108	70-130			
Toluene	5.48	0.0250	5.00		110	70-130			
o-Xylene	5.32	0.0250	5.00		106	70-130			
p,m-Xylene	10.9	0.0500	10.0		109	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.21*		*8.00*		*103*	*70-130*			
Matrix Spike (2522094-MS1)				**Source: E505323-03**					Prepared: 06/01/25 Analyzed: 06/01/25
Benzene	5.56	0.0250	5.00	ND	111	70-130			
Ethylbenzene	5.43	0.0250	5.00	ND	109	70-130			
Toluene	5.51	0.0250	5.00	ND	110	70-130			
o-Xylene	5.35	0.0250	5.00	ND	107	70-130			
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130			
Total Xylenes	16.3	0.0250	15.0	ND	109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.35*		*8.00*		*104*	*70-130*			
Matrix Spike Dup (2522094-MSD1)				**Source: E505323-03**					Prepared: 06/01/25 Analyzed: 06/01/25
Benzene	5.49	0.0250	5.00	ND	110	70-130	1.25	27	
Ethylbenzene	5.37	0.0250	5.00	ND	107	70-130	1.04	26	
Toluene	5.44	0.0250	5.00	ND	109	70-130	1.26	20	
o-Xylene	5.30	0.0250	5.00	ND	106	70-130	0.940	25	
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130	1.17	23	
Total Xylenes	16.1	0.0250	15.0	ND	107	70-130	1.09	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.42*		*8.00*		*105*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/6/2025 1:03:14PM

Volatile Organics by EPA 8021B

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 (2523073-BLK1)									Prepared: 06/03/25 Analyzed: 06/04/25
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	*7.76*		*8.00*		*96.9*	*70-130*			
LCS (2523073-BS1)									Prepared: 06/03/25 Analyzed: 06/04/25
Benzene	4.85	0.0250	5.00		96.9	70-130			
Ethylbenzene	4.89	0.0250	5.00		97.9	70-130			
Toluene	4.88	0.0250	5.00		97.6	70-130			
o-Xylene	4.89	0.0250	5.00		97.8	70-130			
p,m-Xylene	9.95	0.0500	10.0		99.5	70-130			
Total Xylenes	14.8	0.0250	15.0		98.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.01*		*8.00*		*100*	*70-130*			
Matrix Spike (2523073-MS1)				**Source: E506010-02**					Prepared: 06/03/25 Analyzed: 06/04/25
Benzene	4.77	0.0250	5.00	ND	95.3	70-130			
Ethylbenzene	4.80	0.0250	5.00	ND	95.9	70-130			
Toluene	4.79	0.0250	5.00	ND	95.9	70-130			
o-Xylene	4.77	0.0250	5.00	ND	95.3	70-130			
p,m-Xylene	9.74	0.0500	10.0	ND	97.4	70-130			
Total Xylenes	14.5	0.0250	15.0	ND	96.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.97*		*8.00*		*99.6*	*70-130*			
Matrix Spike Dup (2523073-MSD1)				**Source: E506010-02**					Prepared: 06/03/25 Analyzed: 06/04/25
Benzene	4.73	0.0250	5.00	ND	94.5	70-130	0.831	27	
Ethylbenzene	4.85	0.0250	5.00	ND	97.0	70-130	1.10	26	
Toluene	4.80	0.0250	5.00	ND	95.9	70-130	0.0167	20	
o-Xylene	4.82	0.0250	5.00	ND	96.4	70-130	1.07	25	
p,m-Xylene	9.85	0.0500	10.0	ND	98.5	70-130	1.08	23	
Total Xylenes	14.7	0.0250	15.0	ND	97.8	70-130	1.08	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.16*		*8.00*		*102*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/6/2025 1:03:14PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522094-BLK1)									Prepared: 06/01/25 Analyzed: 06/01/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.70*		*8.00*		*96.2*	*70-130*			
LCS (2522094-BS2)									Prepared: 06/01/25 Analyzed: 06/01/25
Gasoline Range Organics (C6-C10)	48.6	20.0	50.0		97.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.91*		*8.00*		*98.8*	*70-130*			
Matrix Spike (2522094-MS2)				**Source: E505323-03**					Prepared: 06/01/25 Analyzed: 06/01/25
Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike Dup (2522094-MSD2)				**Source: E505323-03**					Prepared: 06/01/25 Analyzed: 06/01/25
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.6	70-130	0.225	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.85*		*8.00*		*98.2*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/6/2025 1:03:14PM

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 (2523073-BLK1)									Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.47*		*8.00*		*106*	*70-130*			
LCS (2523073-BS2)									Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.49*		*8.00*		*106*	*70-130*			
Matrix Spike (2523073-MS2)				**Source: E506010-02**					Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	52.0	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.72*		*8.00*		*109*	*70-130*			
Matrix Spike Dup (2523073-MSD2)				**Source: E506010-02**					Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.7	70-130	7.34	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.63*		*8.00*		*108*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/6/2025 1:03:14PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523022-BLK1)									Prepared: 06/02/25 Analyzed: 06/03/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.6*		*50.0*		*115*	*61-141*			
LCS (2523022-BS1)									Prepared: 06/02/25 Analyzed: 06/03/25
Diesel Range Organics (C10-C28)	261	25.0	250		104	66-144			
Surrogate: n-Nonane	*51.4*		*50.0*		*103*	*61-141*			
Matrix Spike (2523022-MS1)				**Source: E505320-09**					Prepared: 06/02/25 Analyzed: 06/03/25
Diesel Range Organics (C10-C28)	276	25.0	250	ND	111	56-156			
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*61-141*			
Matrix Spike Dup (2523022-MSD1)				**Source: E505320-09**					Prepared: 06/02/25 Analyzed: 06/03/25
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	56-156	0.869	20	
Surrogate: n-Nonane	*51.9*		*50.0*		*104*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/6/2025 1:03:14PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523095-BLK1)									Prepared: 06/04/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.2*		*50.0*		*110*	*61-141*			
LCS (2523095-BS1)									Prepared: 06/04/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	286	25.0	250		114	66-144			
Surrogate: n-Nonane	*56.4*		*50.0*		*113*	*61-141*			
Matrix Spike (2523095-MS1)				**Source: E506015-09**					Prepared: 06/04/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	294	25.0	250	ND	117	56-156			
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*61-141*			
Matrix Spike Dup (2523095-MSD1)				**Source: E506015-09**					Prepared: 06/04/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	56-156	2.64	20	
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/6/2025 1:03:14PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523033-BLK1)									Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	ND	20.0							
LCS (2523033-BS1)									Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2523033-MS1)				**Source: E505323-05**					Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2523033-MSD1)				**Source: E505323-05**					Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	261	20.0	250	ND	104	80-120	0.119	20	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/6/2025 1:03:14PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523089-BLK1)									Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	ND	20.0							
LCS (2523089-BS1)									Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	261	20.0	250		104	90-110			
Matrix Spike (2523089-MS1)				**Source: E506010-01**					Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	333	20.0	250	57.5	110	80-120			
Matrix Spike Dup (2523089-MSD1)				**Source: E506010-01**					Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	433	20.0	250	57.5	150	80-120	26.2	20	M2, R3

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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	06/06/25 13:03

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
R3	The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
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: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E505323	Job Number 01056:0007	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.						x					
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220											
Address: 13000 W County Rd 100	Phone: 575-885-7502											
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com											
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 19285; IN: nKJ1534531959											
Email: NMTXGeoGroup@etechenv.com												

Sample Information							Analysis and Method										EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/GRO by 8015	ORO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TDS 160.1	Alkalinity 310.1				SDWA	CWA	RCRA	
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp	Remarks		
13:30	5/29/2025	S	1	BH17	0.5	1									X		4.2			
13:40	5/29/2025	S	1	BH17	1	2									X		4.6			
13:50	5/29/2025	S	1	BH17	2	3									X		5.0			
14:00	5/29/2025	S	1	BH17	3	4									X		4.8			
14:10	5/29/2025	S	1	BH17	4	5									X		4.5			
14:20	5/29/2025	S	1	BH18	0.5	6									X		3.8			
14:30	5/29/2025	S	1	BH18	1	7									X		4.2			
14:40	5/29/2025	S	1	BH18	2	8									X		4.5			
14:50	5/29/2025	S	1	BH18	3	9									X		4.6			
15:00	5/29/2025	S	1	BH18	4	10									X		4.8			

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
5/29/2025 EK			Marissa Gonzales	5-30-25	0930
Relinquished by: (Signature)	Date 05/30/25	Time 9:30	Received by: (Signature) MG	Date	Time
Marissa Gonzales	5-30-25	1750	L.M.	5.30.25	1800
L.M.	5.31.25	0200	Nora Soto	5/31/25	1015
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: (Y) N

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

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

Envirotech Analytical Laboratory

Printed: 6/2/2025 10:52:21AM

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:	Devon Energy - Carlsbad	Date Received:	05/31/25 06:15	Work Order ID:	E505323
Phone:	(575) 748-0176	Date Logged In:	05/30/25 15:53	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	06/06/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 State COM #008
Work Order:	E506009
Job Number:	01058-0007
Received:	6/3/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/11/25

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: 12/11/25

Anna Byers
333 W Sheridan Avenue
Oklahoma City, OK 73102-5010

Project Name: Black Mamba 15 State COM #008
Workorder: E506009
Date Received: 6/3/2025 8:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/3/2025 8:00:00AM, under the Project Name: Black Mamba 15 State COM #008.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 State COM #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/25 14:10

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH19 0.5'	E506009-01A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH19 1'	E506009-02A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH19 2'	E506009-03A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH19 3'	E506009-04A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH19 4'	E506009-05A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH20 0.5'	E506009-06A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH20 1'	E506009-07A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH20 2'	E506009-08A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH20 3'	E506009-09A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH20 4'	E506009-10A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH21 0.5'	E506009-11A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH21 1'	E506009-12A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH21 2'	E506009-13A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH21 3'	E506009-14A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH21 4'	E506009-15A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH22 0.5'	E506009-16A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH22 1'	E506009-17A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH22 2'	E506009-18A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH22 3'	E506009-19A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH22 4'	E506009-20A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH23 0.5'	E506009-21A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH23 1'	E506009-22A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH23 2'	E506009-23A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH23 3'	E506009-24A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH23 4'	E506009-25A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH24 0.5'	E506009-26A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH24 1'	E506009-27A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH24 2'	E506009-28A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH24 3'	E506009-29A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BH24 4'	E506009-30A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH19 0.5'

E506009-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/04/25	
Surrogate: n-Nonane		*98.6 %*	*61-141*	*06/03/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH19 1'

E506009-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/04/25	
Surrogate: n-Nonane		*96.5 %*	*61-141*	*06/03/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH19 2'

E506009-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*98.7 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH19 3'

E506009-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*97.6 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH19 4'

E506009-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*97.9 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH20 0.5'

E506009-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*96.1 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH20 1'

E506009-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*97.9 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH20 2'

E506009-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*99.5 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH20 3'

E506009-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.9 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*97.2 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH20 4'

E506009-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*95.2 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH21 0.5'

E506009-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*97.1 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH21 1'

E506009-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.9 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*97.2 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH21 2'

E506009-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.5 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*97.7 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH21 3'

E506009-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*98.0 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH21 4'

E506009-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*98.0 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH22 0.5'

E506009-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*95.5 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH22 1'

E506009-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*96.1 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH22 2'

E506009-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.4 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*94.6 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH22 3'

E506009-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*97.0 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH22 4'

E506009-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.1 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523072
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523081
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*97.6 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523087
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH23 0.5'

E506009-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Benzene	ND	0.0250	1	06/03/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/03/25	
Toluene	ND	0.0250	1	06/03/25	06/03/25	
o-Xylene	ND	0.0250	1	06/03/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*06/03/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.1 %*	*70-130*	*06/03/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523088
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH23 1'

E506009-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Benzene	ND	0.0250	1	06/03/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/03/25	
Toluene	ND	0.0250	1	06/03/25	06/03/25	
o-Xylene	ND	0.0250	1	06/03/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*06/03/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.5 %*	*70-130*	*06/03/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523088
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH23 2'

E506009-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Benzene	ND	0.0250	1	06/03/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/03/25	
Toluene	ND	0.0250	1	06/03/25	06/03/25	
o-Xylene	ND	0.0250	1	06/03/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*06/03/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.2 %*	*70-130*	*06/03/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523088
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH23 3'

E506009-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Benzene	ND	0.0250	1	06/03/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/03/25	
Toluene	ND	0.0250	1	06/03/25	06/03/25	
o-Xylene	ND	0.0250	1	06/03/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*06/03/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.8 %*	*70-130*	*06/03/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523088
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH23 4'

E506009-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Benzene	ND	0.0250	1	06/03/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/03/25	
Toluene	ND	0.0250	1	06/03/25	06/03/25	
o-Xylene	ND	0.0250	1	06/03/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*06/03/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.0 %*	*70-130*	*06/03/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523088
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH24 0.5'

E506009-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Benzene	ND	0.0250	1	06/03/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/03/25	
Toluene	ND	0.0250	1	06/03/25	06/03/25	
o-Xylene	ND	0.0250	1	06/03/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*06/03/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.7 %*	*70-130*	*06/03/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523088
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH24 1'

E506009-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Benzene	ND	0.0250	1	06/03/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/03/25	
Toluene	ND	0.0250	1	06/03/25	06/03/25	
o-Xylene	ND	0.0250	1	06/03/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*06/03/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.2 %*	*70-130*	*06/03/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523088
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH24 2'

E506009-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Benzene	ND	0.0250	1	06/03/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/03/25	
Toluene	ND	0.0250	1	06/03/25	06/03/25	
o-Xylene	ND	0.0250	1	06/03/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/03/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.7 %*	*70-130*	*06/03/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523088
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH24 3'

E506009-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.0 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523088
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

BH24 4'

E506009-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.7 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523088
Chloride	ND	20.0	1	06/03/25	06/04/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523059-BLK1)									Prepared: 06/03/25 Analyzed: 06/03/25
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	*8.31*		*8.00*		*104*	*70-130*			
LCS (2523059-BS1)									Prepared: 06/03/25 Analyzed: 06/03/25
Benzene	4.99	0.0250	5.00		99.9	70-130			
Ethylbenzene	5.02	0.0250	5.00		100	70-130			
Toluene	4.98	0.0250	5.00		99.7	70-130			
o-Xylene	5.00	0.0250	5.00		100	70-130			
p,m-Xylene	9.80	0.0500	10.0		98.0	70-130			
Total Xylenes	14.8	0.0250	15.0		98.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.72*		*8.00*		*109*	*70-130*			
Matrix Spike (2523059-MS1)				**Source: E506005-05**					Prepared: 06/03/25 Analyzed: 06/03/25
Benzene	4.83	0.0250	5.00	ND	96.5	70-130			
Ethylbenzene	4.85	0.0250	5.00	ND	97.0	70-130			
Toluene	4.81	0.0250	5.00	ND	96.3	70-130			
o-Xylene	4.82	0.0250	5.00	ND	96.4	70-130			
p,m-Xylene	9.49	0.0500	10.0	ND	94.9	70-130			
Total Xylenes	14.3	0.0250	15.0	ND	95.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.53*		*8.00*		*107*	*70-130*			
Matrix Spike Dup (2523059-MSD1)				**Source: E506005-05**					Prepared: 06/03/25 Analyzed: 06/03/25
Benzene	4.72	0.0250	5.00	ND	94.5	70-130	2.13	27	
Ethylbenzene	4.77	0.0250	5.00	ND	95.4	70-130	1.62	26	
Toluene	4.73	0.0250	5.00	ND	94.6	70-130	1.79	20	
o-Xylene	4.75	0.0250	5.00	ND	95.0	70-130	1.53	25	
p,m-Xylene	9.32	0.0500	10.0	ND	93.2	70-130	1.79	23	
Total Xylenes	14.1	0.0250	15.0	ND	93.8	70-130	1.70	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.50*		*8.00*		*106*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523072-BLK1)									Prepared: 06/03/25 Analyzed: 06/04/25
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	*7.77*		*8.00*		*97.1*	*70-130*			
LCS (2523072-BS1)									Prepared: 06/03/25 Analyzed: 06/04/25
Benzene	5.54	0.0250	5.00		111	70-130			
Ethylbenzene	5.40	0.0250	5.00		108	70-130			
Toluene	5.49	0.0250	5.00		110	70-130			
o-Xylene	5.31	0.0250	5.00		106	70-130			
p,m-Xylene	10.9	0.0500	10.0		109	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.81*		*8.00*		*97.6*	*70-130*			
Matrix Spike (2523072-MS1)				**Source: E506009-06**					Prepared: 06/03/25 Analyzed: 06/04/25
Benzene	5.26	0.0250	5.00	ND	105	70-130			
Ethylbenzene	5.16	0.0250	5.00	ND	103	70-130			
Toluene	5.23	0.0250	5.00	ND	105	70-130			
o-Xylene	5.06	0.0250	5.00	ND	101	70-130			
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130			
Total Xylenes	15.4	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.73*		*8.00*		*96.7*	*70-130*			
Matrix Spike Dup (2523072-MSD1)				**Source: E506009-06**					Prepared: 06/03/25 Analyzed: 06/04/25
Benzene	5.44	0.0250	5.00	ND	109	70-130	3.37	27	
Ethylbenzene	5.35	0.0250	5.00	ND	107	70-130	3.59	26	
Toluene	5.41	0.0250	5.00	ND	108	70-130	3.40	20	
o-Xylene	5.26	0.0250	5.00	ND	105	70-130	3.78	25	
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130	3.47	23	
Total Xylenes	16.0	0.0250	15.0	ND	107	70-130	3.57	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.78*		*8.00*		*97.3*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523059-BLK1)									Prepared: 06/03/25 Analyzed: 06/03/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.78*		*8.00*		*84.7*	*70-130*			
LCS (2523059-BS2)									Prepared: 06/03/25 Analyzed: 06/03/25
Gasoline Range Organics (C6-C10)	42.7	20.0	50.0		85.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.06*		*8.00*		*88.2*	*70-130*			
Matrix Spike (2523059-MS2)				**Source: E506005-05**					Prepared: 06/03/25 Analyzed: 06/03/25
Gasoline Range Organics (C6-C10)	46.1	20.0	50.0	ND	92.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.9*	*70-130*			
Matrix Spike Dup (2523059-MSD2)				**Source: E506005-05**					Prepared: 06/03/25 Analyzed: 06/03/25
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.7	70-130	1.49	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.94*		*8.00*		*86.8*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523072-BLK1)									Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.54*		*8.00*		*94.2*	*70-130*			
LCS (2523072-BS2)									Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	46.7	20.0	50.0		93.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.57*		*8.00*		*94.7*	*70-130*			
Matrix Spike (2523072-MS2)				**Source: E506009-06**					Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	43.8	20.0	50.0	ND	87.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.56*		*8.00*		*94.5*	*70-130*			
Matrix Spike Dup (2523072-MSD2)				**Source: E506009-06**					Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.6	70-130	11.9	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.9*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523081-BLK1)									Prepared: 06/03/25 Analyzed: 06/04/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.4*		*50.0*		*98.8*	*61-141*			
LCS (2523081-BS1)									Prepared: 06/03/25 Analyzed: 06/04/25
Diesel Range Organics (C10-C28)	250	25.0	250		100	66-144			
Surrogate: n-Nonane	*49.3*		*50.0*		*98.5*	*61-141*			
Matrix Spike (2523081-MS1)				**Source: E506009-12**					Prepared: 06/03/25 Analyzed: 06/04/25
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	56-156			
Surrogate: n-Nonane	*48.6*		*50.0*		*97.2*	*61-141*			
Matrix Spike Dup (2523081-MSD1)				**Source: E506009-12**					Prepared: 06/03/25 Analyzed: 06/04/25
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	56-156	1.33	20	
Surrogate: n-Nonane	*48.2*		*50.0*		*96.5*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523082-BLK1)									Prepared: 06/03/25 Analyzed: 06/04/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*61-141*			
LCS (2523082-BS1)									Prepared: 06/03/25 Analyzed: 06/04/25
Diesel Range Organics (C10-C28)	259	25.0	250		104	66-144			
Surrogate: n-Nonane	*50.6*		*50.0*		*101*	*61-141*			
Matrix Spike (2523082-MS1)				**Source: E506009-24**					Prepared: 06/03/25 Analyzed: 06/04/25
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	56-156			
Surrogate: n-Nonane	*52.6*		*50.0*		*105*	*61-141*			
Matrix Spike Dup (2523082-MSD1)				**Source: E506009-24**					Prepared: 06/03/25 Analyzed: 06/04/25
Diesel Range Organics (C10-C28)	269	25.0	250	ND	107	56-156	0.883	20	
Surrogate: n-Nonane	*52.3*		*50.0*		*105*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523087-BLK1)									Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	ND	20.0							
LCS (2523087-BS1)									Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2523087-MS1)				**Source: E506009-01**					Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2523087-MSD1)				**Source: E506009-01**					Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	254	20.0	250	ND	102	80-120	0.302	20	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/2025 2:10:47PM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523088-BLK1)									Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	ND	20.0							
LCS (2523088-BS1)									Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2523088-MS1)				**Source: E506009-21**					Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2523088-MSD1)				**Source: E506009-21**					Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	254	20.0	250	ND	102	80-120	0.342	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	12/11/25 14:10

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: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.	E506009	01057-0007				x					
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220											
Address: 13000 W County Rd 100	Phone: 575-885-7502											
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com											
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 19285; IN: INV1534531959											
Email: NMTXGeoGroup@etechenv.com												

Analysis and Method											EPA Program			
											SDWA	CWA	RCRA	
											Compliance	Y	or	N
											PWSID #			

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number											Sample Temp	Remarks
9:35	5/30/2025	S	1	BH19	0.5	1								X			4.4	
9:40	5/30/2025	S	1	BH19	1	2								X			4.1	
9:45	5/30/2025	S	1	BH19	2	3								X			4.9	
10:10	5/30/2025	S	1	BH19	3	4								X			4.1	
10:40	5/30/2025	S	1	BH19	4	5								X			1.1	
11:15	5/30/2025	S	1	BH20	0.5	6								X			3.3	
11:20	5/30/2025	S	1	BH20	1	7								X			2.8	
11:25	5/30/2025	S	1	BH20	2	8								X			4.4	
11:45	5/30/2025	S	1	BH20	3	9								X			4.3	
11:55	5/30/2025	S	1	BH20	4	10								X			3.1	

Additional Instructions:

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

Sampled by: Kayla Reeder

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	06/02/25	09:00	Michelle Gonzales	6.2.25	0800
Michelle Gonzales	6.2.25	1845		6.2.25	1845
	6.2.25	2400	Caitlin Mars	6.3.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: Y / N

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

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

Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech Analytical Lab

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E506009	Job Number D058-0007	1D 2D 3D Std: x	NM CO UT TX
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip: Odessa, TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 19285; IN: nKJ1534531959			
Email: NMTXGeoGroup@etechenv.com				

Analysis and Method: 8015 by 8015 | 300.0 (Cl) by 300.0 | 8021 by 8021 | VOC by 8260 | Chloride 300.0 | TDS - TX | BCHA # Metals | Hold | Hold | Hold

EPA Program: SDWA | CWA | RCRA

Compliance: Y or N

PWSID #:

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	Hold	Sample Temp	Remarks
12:10	5/30/2025	S	1	BH21	0.5	11	X	4.6	
12:15	5/30/2025	S	1	BH21	1	12	X	4.7	
12:20	5/30/2025	S	1	BH21	2	13	X	4.4	
12:25	5/30/2025	S	1	BH21	3	14	X	3.0	
12:30	5/30/2025	S	1	BH21	4	15	X	2.4	
12:40	5/30/2025	S	1	BH22	0.5	16	X	1.4	
12:45	5/30/2025	S	1	BH22	1	17	X	4.4	
12:50	5/30/2025	S	1	BH22	2	18	X	1.9	
12:55	5/30/2025	S	1	BH22	3	19	X	4.6	
13:00	5/30/2025	S	1	BH22	4	20	X	1.4	

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	06/02/25	08:00	Michelle Gonzales	6.2.25	0800
Michelle Gonzales	6.2.25	1845	Andrew M.	6.2.25	1845
Andrew M.	6.2.25	2400	Caitlin Mars	10.3.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: Y / N

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

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

Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Lab

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State					
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E506009	Job Number 01058-0007	1D	2D	3D	Std	NM	CO	UT	TX		
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.						x						
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220												
Address: 13000 W County Rd 100	Phone: 575-885-7502												
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com												
Phone: 432-305-6415	Miscellaneous: WO: 21206816: PN: 19285; IN: nKJ1534531959												
Email: NMTXGeoGroup@etechenv.com													

Analysis and Method												EPA Program			
												SDWA	CWA	RCRA	
												Compliance	Y	or	N
												PWSID #			

Sample Information

Time Sampled	Date Sampled	Matrix	# Containers	Sample ID	Depth	Lab Number											Sample Temp	Remarks
13:15	5/30/2025	S	1	BH23	0.5	21								X			1.1	
13:20	5/30/2025	S	1	BH23	1	22								X			4.7	
13:25	5/30/2025	S	1	BH23	2	23								X			4.3	
13:30	5/30/2025	S	1	BH23	3	24								X			4.8	
13:35	5/30/2025	S	1	BH23	4	25								X			3.4	
13:40	5/30/2025	S	1	BH24	0.5	26								X			1.7	
13:45	5/30/2025	S	1	BH24	1	27								X			2.2	
13:50	5/30/2025	S	1	BH24	2	28								X			1.4	
13:55	5/30/2025	S	1	BH24	3	29								X			1.2	
14:00	5/30/2025	S	1	BH24	4	30								X			2.0	

Additional Instructions:

(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: Dylan Hunter

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	06/02/25	08:00	Michelle Gonzales	6.2.25	0800
Michelle Gonzales	6.2.25	1845		6.2.25	1845
	6.2.25	2400		6.3.25	800

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: Y / N

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

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

Envirotech Analytical Laboratory

Printed: 6/3/2025 8:42:12AM

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:	Devon Energy - Carlsbad	Date Received:	06/03/25 08:00	Work Order ID:	E506009
Phone:	(575) 748-0176	Date Logged In:	06/02/25 15:18	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	06/09/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 State COM #008
Work Order:	E506015
Job Number:	01058-0007
Received:	6/4/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/10/25

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

Date Reported: 6/10/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Black Mamba 15 State COM #008
Workorder: E506015
Date Received: 6/4/2025 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/4/2025 7:30:00AM, under the Project Name: Black Mamba 15 State COM #008.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 State COM #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	06/10/25 11:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH25 0.5	E506015-01A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH25 1	E506015-02A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH25 2	E506015-03A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH25 3	E506015-04A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH25 4	E506015-05A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH26 0.5	E506015-06A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH26 1	E506015-07A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH26 2	E506015-08A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH26 3	E506015-09A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH26 4	E506015-10A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH27 0.5	E506015-11A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH27 1	E506015-12A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH27 2	E506015-13A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH27 3	E506015-14A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH27 4	E506015-15A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 11:27:27AM

BH25 0.5

E506015-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.2 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523095
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523099
Chloride	ND	20.0	1	06/04/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 11:27:27AM

BH25 1

E506015-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.4 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523095
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523099
Chloride	ND	20.0	1	06/04/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 11:27:27AM

BH25 2

E506015-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523095
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523099
Chloride	ND	20.0	1	06/04/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 11:27:27AM

BH25 3

E506015-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.1 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523095
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523099
Chloride	ND	20.0	1	06/04/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 11:27:27AM

BH25 4

E506015-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Benzene	ND	0.0250	1	06/04/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/04/25	
Toluene	ND	0.0250	1	06/04/25	06/04/25	
o-Xylene	ND	0.0250	1	06/04/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523095
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523099
Chloride	ND	20.0	1	06/04/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 11:27:27AM

BH26 0.5

E506015-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.3 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523095
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523099
Chloride	ND	20.0	1	06/04/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 11:27:27AM

BH26 1

E506015-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.3 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523095
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523099
Chloride	ND	20.0	1	06/04/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 11:27:27AM

BH26 2

E506015-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.8 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523095
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523099
Chloride	ND	20.0	1	06/04/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 11:27:27AM

BH26 3

E506015-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.6 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523095
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523099
Chloride	ND	20.0	1	06/04/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 11:27:27AM

BH26 4

E506015-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.4 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523095
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523099
Chloride	ND	20.0	1	06/04/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 11:27:27AM

BH27 0.5

E506015-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.5 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523095
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523099
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 11:27:27AM

BH27 1

E506015-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.2 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523095
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523099
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 11:27:27AM

BH27 2

E506015-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523095
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523099
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 11:27:27AM

BH27 3

E506015-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.2 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523095
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523099
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 11:27:27AM

BH27 4

E506015-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.1 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523095
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523099
Chloride	ND	20.0	1	06/04/25	06/05/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 11:27:27AM

Volatile Organics by EPA 8021B

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 (2523093-BLK1)									Prepared: 06/04/25 Analyzed: 06/04/25
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*		*90.4*	*70-130*			
LCS (2523093-BS1)									Prepared: 06/04/25 Analyzed: 06/04/25
Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.25	0.0250	5.00		105	70-130			
Toluene	5.28	0.0250	5.00		106	70-130			
o-Xylene	5.24	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	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike (2523093-MS1)				**Source: E506015-05**					Prepared: 06/04/25 Analyzed: 06/05/25
Benzene	5.21	0.0250	5.00	ND	104	70-130			
Ethylbenzene	5.14	0.0250	5.00	ND	103	70-130			
Toluene	5.18	0.0250	5.00	ND	104	70-130			
o-Xylene	5.07	0.0250	5.00	ND	101	70-130			
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130			
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.16*		*8.00*		*89.5*	*70-130*			
Matrix Spike Dup (2523093-MSD1)				**Source: E506015-05**					Prepared: 06/04/25 Analyzed: 06/04/25
Benzene	4.51	0.0250	5.00	ND	90.1	70-130	14.5	27	
Ethylbenzene	4.54	0.0250	5.00	ND	90.9	70-130	12.2	26	
Toluene	4.56	0.0250	5.00	ND	91.2	70-130	12.8	20	
o-Xylene	4.58	0.0250	5.00	ND	91.6	70-130	10.1	25	
p,m-Xylene	9.22	0.0500	10.0	ND	92.2	70-130	12.0	23	
Total Xylenes	13.8	0.0250	15.0	ND	92.0	70-130	11.4	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.27*		*8.00*		*90.8*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 11:27:27AM

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 (2523093-BLK1)									Prepared: 06/04/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.68*		*8.00*		*96.0*	*70-130*			
LCS (2523093-BS2)									Prepared: 06/04/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.87*		*8.00*		*98.4*	*70-130*			
Matrix Spike (2523093-MS2)				**Source: E506015-05**					Prepared: 06/04/25 Analyzed: 06/05/25
Gasoline Range Organics (C6-C10)	41.0	20.0	50.0	ND	82.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.75*		*8.00*		*96.9*	*70-130*			
Matrix Spike Dup (2523093-MSD2)				**Source: E506015-05**					Prepared: 06/04/25 Analyzed: 06/05/25
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.3	70-130	15.1	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.94*		*8.00*		*99.2*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 11:27:27AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523095-BLK1)									Prepared: 06/04/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.2*		*50.0*		*110*	*61-141*			
LCS (2523095-BS1)									Prepared: 06/04/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	286	25.0	250		114	66-144			
Surrogate: n-Nonane	*56.4*		*50.0*		*113*	*61-141*			
Matrix Spike (2523095-MS1)				**Source: E506015-09**					Prepared: 06/04/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	294	25.0	250	ND	117	56-156			
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*61-141*			
Matrix Spike Dup (2523095-MSD1)				**Source: E506015-09**					Prepared: 06/04/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	56-156	2.64	20	
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 11:27:27AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523099-BLK1)									Prepared: 06/04/25 Analyzed: 06/04/25
Chloride	ND	20.0							
LCS (2523099-BS1)									Prepared: 06/04/25 Analyzed: 06/04/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2523099-MS1)				**Source: E506015-05**					Prepared: 06/04/25 Analyzed: 06/04/25
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2523099-MSD1)				**Source: E506015-05**					Prepared: 06/04/25 Analyzed: 06/04/25
Chloride	256	20.0	250	ND	102	80-120	0.0602	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	06/10/25 11:27

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: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E506015	Job Number 01058-0007	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.						X					
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220											
Address: 13000 W County Rd 100	Phone: 575-885-7502											
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com											
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 10785; IN: nKJ1534531959											
Email: NMTXGeoGroup@etechenv.com												

Sample Information							Analysis and Method									EPA Program				
Time Sampled	Date Sampled	Matrix	No/Container	Sample ID	Depth	Lab Number	DRO/GRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TPH by 418.1	RCRA 8 Metals		8015 NM	BTEX - 21		SDWA	CWA	RCRA
																		Compliance	Y	or N
																		PWSID #		
10:35	6/2/2025	S	1	BH25	0.5	1									X			2.9		
10:40	6/2/2025	S	1	BH25	1	2									X			2.0		
10:45	6/2/2025	S	1	BH25	2	3									X			2.9		
10:50	6/2/2025	S	1	BH25	3	4									X			1.5		
10:55	6/2/2025	S	1	BH25	4	5									X			2.1		
11:30	6/2/2025	S	1	BH26	0.5	6									X			4.0		
11:35	6/2/2025	S	1	BH26	1	7									X			2.4		
11:40	6/2/2025	S	1	BH26	2	8									X			2.3		
11:45	6/2/2025	S	1	BH26	3	9									X			2.9		
11:50	6/2/2025	S	1	BH26	4	10									X			2.3		

Additional Instructions:

I, (Field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally misleading the sample location, date or time of collection is considered fraud and may be grounds for legal action.
Sampled by: ~~Dylan Kane~~ HB Hunter Bishop

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Patricia Flores	6/03/2025		Michelle Gonzales	6.3.25	1145
Michelle Gonzales	6.3.25	1600		6.3.25	1600
	6.3.25	2200	Caitlin Mars	6.4.25	730

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: (Y) N

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

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

Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E504015	Job Number 01957-0007	1D 2D 3D Std: X	NM CO UT TX
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 19285; IN: nKJ1534531959			
Email: NMTXGeoGroup@etechenv.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	Analysis and Method: BTEX by 8021	VOC by 8260	Chloride (4500)	TPH by 8015D GRO / DRO	PCBs 8082/608	8015D / NM	8015D / TX	EPA Program: SDWA / CWA / RCRA	Compliance Y / or / N	PWSID #	Sample Temp	Remarks
11:55	6/2/2025	S	1	BH27	0.5	11						X					2.5	
12:00	6/2/2025	S	1	BH27	1	12						X					3.0	
12:05	6/2/2025	S	1	BH27	2	13						X					3.4	
13:05	6/2/2025	S	1	BH27	3	14						X					1.6	
13:10	6/2/2025	S	1	BH27	4	15						X					1.8	

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	6/3/2025		Michelle Gonzales	6.3.25	1145
Michelle Gonzales	6.3.25	1600	[signature]	6.3.25	1600
[signature]	6.3.25	2200	[signature]	6.4.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: Y N

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

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

Envirotech Analytical Laboratory

Printed: 6/4/2025 8:15:26AM

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:	Devon Energy - Carlsbad	Date Received:	06/04/25 07:30	Work Order ID:	E506015
Phone:	(575) 748-0176	Date Logged In:	06/03/25 14:20	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	06/10/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 State COM #008
Work Order:	E506204
Job Number:	01058-0007
Received:	6/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/27/25

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

Date Reported: 6/27/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Black Mamba 15 State COM #008
Workorder: E506204
Date Received: 6/23/2025 8:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/23/2025 8:00:00AM, under the Project Name: Black Mamba 15 State COM #008.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 State COM #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	06/27/25 16:42

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 0-0.25'	E506204-01A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS02 0-0.25'	E506204-02A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS03 0-0.25'	E506204-03A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS04 0-0.25'	E506204-04A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS05 0-0.25'	E506204-05A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS06 0-0.25'	E506204-06A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS07 0-0.25'	E506204-07A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS08 0-0.25'	E506204-08A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS09 0-0.25'	E506204-09A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS10 0-0.25'	E506204-10A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS11 0-0.25'	E506204-11A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS12 0-0.25'	E506204-12A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS13 0-0.25'	E506204-13A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS14 0-0.25'	E506204-14A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS15 0-0.25'	E506204-15A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS16 0-0.25'	E506204-16A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

FS01 0-0.25'

E506204-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Benzene	ND	0.0250	1	06/23/25	06/25/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/25/25	
Toluene	ND	0.0250	1	06/23/25	06/25/25	
o-Xylene	ND	0.0250	1	06/23/25	06/25/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/25/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2526096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/25/25	
Surrogate: n-Nonane		*98.8 %*	*61-141*	*06/25/25*	*06/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2526086
Chloride	ND	20.0	1	06/25/25	06/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

FS02 0-0.25'

E506204-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Benzene	ND	0.0250	1	06/23/25	06/25/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/25/25	
Toluene	ND	0.0250	1	06/23/25	06/25/25	
o-Xylene	ND	0.0250	1	06/23/25	06/25/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/25/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2526096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/25/25	
Surrogate: n-Nonane		*96.4 %*	*61-141*	*06/25/25*	*06/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2526086
Chloride	ND	20.0	1	06/25/25	06/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

FS03 0-0.25'

E506204-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Benzene	ND	0.0250	1	06/23/25	06/25/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/25/25	
Toluene	ND	0.0250	1	06/23/25	06/25/25	
o-Xylene	ND	0.0250	1	06/23/25	06/25/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/25/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2526096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/26/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/25/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2526086
Chloride	ND	20.0	1	06/25/25	06/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

FS04 0-0.25'

E506204-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Benzene	ND	0.0250	1	06/23/25	06/25/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/25/25	
Toluene	ND	0.0250	1	06/23/25	06/25/25	
o-Xylene	ND	0.0250	1	06/23/25	06/25/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/25/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2526096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/26/25	
Surrogate: n-Nonane		*98.8 %*	*61-141*	*06/25/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2526086
Chloride	ND	20.0	1	06/25/25	06/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

FS05 0-0.25'

E506204-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Benzene	ND	0.0250	1	06/23/25	06/25/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/25/25	
Toluene	ND	0.0250	1	06/23/25	06/25/25	
o-Xylene	ND	0.0250	1	06/23/25	06/25/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/25/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2526096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/26/25	
Surrogate: n-Nonane		*97.9 %*	*61-141*	*06/25/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2526086
Chloride	ND	20.0	1	06/25/25	06/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

FS06 0-0.25'

E506204-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Benzene	ND	0.0250	1	06/23/25	06/25/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/25/25	
Toluene	ND	0.0250	1	06/23/25	06/25/25	
o-Xylene	ND	0.0250	1	06/23/25	06/25/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/25/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2526096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/26/25	
Surrogate: n-Nonane		*98.3 %*	*61-141*	*06/25/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2526086
Chloride	ND	20.0	1	06/25/25	06/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

FS07 0-0.25'

E506204-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Benzene	ND	0.0250	1	06/23/25	06/25/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/25/25	
Toluene	ND	0.0250	1	06/23/25	06/25/25	
o-Xylene	ND	0.0250	1	06/23/25	06/25/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/25/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2526096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/26/25	
Surrogate: n-Nonane		*99.8 %*	*61-141*	*06/25/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2526086
Chloride	ND	20.0	1	06/25/25	06/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

FS08 0-0.25'

E506204-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Benzene	ND	0.0250	1	06/23/25	06/25/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/25/25	
Toluene	ND	0.0250	1	06/23/25	06/25/25	
o-Xylene	ND	0.0250	1	06/23/25	06/25/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/25/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2526096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/26/25	
Surrogate: n-Nonane		*99.1 %*	*61-141*	*06/25/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2526086
Chloride	ND	20.0	1	06/25/25	06/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

FS09 0-0.25'

E506204-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Benzene	ND	0.0250	1	06/23/25	06/25/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/25/25	
Toluene	ND	0.0250	1	06/23/25	06/25/25	
o-Xylene	ND	0.0250	1	06/23/25	06/25/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/25/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2526096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/26/25	
Surrogate: n-Nonane		*97.2 %*	*61-141*	*06/25/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2526086
Chloride	ND	20.0	1	06/25/25	06/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

FS10 0-0.25'

E506204-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Benzene	ND	0.0250	1	06/23/25	06/25/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/25/25	
Toluene	ND	0.0250	1	06/23/25	06/25/25	
o-Xylene	ND	0.0250	1	06/23/25	06/25/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/25/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2526096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/26/25	
Surrogate: n-Nonane		*95.4 %*	*61-141*	*06/25/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2526086
Chloride	ND	20.0	1	06/25/25	06/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

FS11 0-0.25'

E506204-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Benzene	ND	0.0250	1	06/23/25	06/25/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/25/25	
Toluene	ND	0.0250	1	06/23/25	06/25/25	
o-Xylene	ND	0.0250	1	06/23/25	06/25/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/25/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2526096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/26/25	
Surrogate: n-Nonane		*97.1 %*	*61-141*	*06/25/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2526086
Chloride	ND	20.0	1	06/25/25	06/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

FS12 0-0.25'

E506204-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Benzene	ND	0.0250	1	06/23/25	06/25/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/25/25	
Toluene	ND	0.0250	1	06/23/25	06/25/25	
o-Xylene	ND	0.0250	1	06/23/25	06/25/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/25/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2526096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/26/25	
Surrogate: n-Nonane		*98.0 %*	*61-141*	*06/25/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2526086
Chloride	ND	20.0	1	06/25/25	06/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

FS13 0-0.25'

E506204-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Benzene	ND	0.0250	1	06/23/25	06/25/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/25/25	
Toluene	ND	0.0250	1	06/23/25	06/25/25	
o-Xylene	ND	0.0250	1	06/23/25	06/25/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/25/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2526096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/26/25	
Surrogate: n-Nonane		*99.0 %*	*61-141*	*06/25/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2526086
Chloride	ND	20.0	1	06/25/25	06/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

FS14 0-0.25'

E506204-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Benzene	ND	0.0250	1	06/23/25	06/25/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/25/25	
Toluene	ND	0.0250	1	06/23/25	06/25/25	
o-Xylene	ND	0.0250	1	06/23/25	06/25/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/25/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2526096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/26/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*06/25/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2526086
Chloride	ND	20.0	1	06/25/25	06/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

FS15 0-0.25'

E506204-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Benzene	ND	0.0250	1	06/23/25	06/25/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/25/25	
Toluene	ND	0.0250	1	06/23/25	06/25/25	
o-Xylene	ND	0.0250	1	06/23/25	06/25/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/25/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2526096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/26/25	
Surrogate: n-Nonane		*99.9 %*	*61-141*	*06/25/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2526086
Chloride	ND	20.0	1	06/25/25	06/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

FS16 0-0.25'

E506204-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Benzene	ND	0.0250	1	06/23/25	06/25/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/25/25	
Toluene	ND	0.0250	1	06/23/25	06/25/25	
o-Xylene	ND	0.0250	1	06/23/25	06/25/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/25/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/25/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/23/25*	*06/25/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/23/25*	*06/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2526096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/26/25	
Surrogate: n-Nonane		*97.5 %*	*61-141*	*06/25/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2526086
Chloride	ND	20.0	1	06/25/25	06/25/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2526037-BLK1)									Prepared: 06/23/25 Analyzed: 06/25/25
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: Bromofluorobenzene	*0.558*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			
LCS (2526037-BS1)									Prepared: 06/23/25 Analyzed: 06/25/25
Benzene	2.19	0.0250	2.50		87.5	70-130			
Ethylbenzene	2.28	0.0250	2.50		91.1	70-130			
Toluene	2.15	0.0250	2.50		85.8	70-130			
o-Xylene	2.24	0.0250	2.50		89.8	70-130			
p,m-Xylene	4.46	0.0500	5.00		89.1	70-130			
Total Xylenes	6.70	0.0250	7.50		89.3	70-130			
Surrogate: Bromofluorobenzene	*0.554*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			
Matrix Spike (2526037-MS1)				**Source: E506204-02**					Prepared: 06/23/25 Analyzed: 06/25/25
Benzene	2.24	0.0250	2.50	ND	89.4	48-131			
Ethylbenzene	2.36	0.0250	2.50	ND	94.2	45-135			
Toluene	2.21	0.0250	2.50	ND	88.3	48-130			
o-Xylene	2.33	0.0250	2.50	ND	93.0	43-135			
p,m-Xylene	4.60	0.0500	5.00	ND	91.9	43-135			
Total Xylenes	6.92	0.0250	7.50	ND	92.3	43-135			
Surrogate: Bromofluorobenzene	*0.550*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.516*		*0.500*		*103*	*70-130*			
Matrix Spike Dup (2526037-MSD1)				**Source: E506204-02**					Prepared: 06/23/25 Analyzed: 06/25/25
Benzene	2.25	0.0250	2.50	ND	90.2	48-131	0.869	23	
Ethylbenzene	2.40	0.0250	2.50	ND	96.1	45-135	1.98	27	
Toluene	2.25	0.0250	2.50	ND	89.9	48-130	1.73	24	
o-Xylene	2.36	0.0250	2.50	ND	94.3	43-135	1.39	27	
p,m-Xylene	4.68	0.0500	5.00	ND	93.5	43-135	1.70	27	
Total Xylenes	7.03	0.0250	7.50	ND	93.8	43-135	1.60	27	
Surrogate: Bromofluorobenzene	*0.558*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2526037-BLK1)									Prepared: 06/23/25 Analyzed: 06/25/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.558*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			
LCS (2526037-BS2)									Prepared: 06/23/25 Analyzed: 06/25/25
Gasoline Range Organics (C6-C10)	60.1	20.0	50.0		120	70-130			
Surrogate: Bromofluorobenzene	*0.560*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: Toluene-d8	*0.534*		*0.500*		*107*	*70-130*			
Matrix Spike (2526037-MS2)				**Source: E506204-02**					Prepared: 06/23/25 Analyzed: 06/25/25
Gasoline Range Organics (C6-C10)	58.9	20.0	50.0	ND	118	70-130			
Surrogate: Bromofluorobenzene	*0.556*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.505*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2526037-MSD2)				**Source: E506204-02**					Prepared: 06/23/25 Analyzed: 06/25/25
Gasoline Range Organics (C6-C10)	59.7	20.0	50.0	ND	119	70-130	1.36	20	
Surrogate: Bromofluorobenzene	*0.564*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.497*		*0.500*		*99.3*	*70-130*			
Surrogate: Toluene-d8	*0.527*		*0.500*		*105*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2526096-BLK1)									Prepared: 06/25/25 Analyzed: 06/25/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.6*		*50.0*		*99.3*	*61-141*			
LCS (2526096-BS1)									Prepared: 06/25/25 Analyzed: 06/25/25
Diesel Range Organics (C10-C28)	286	25.0	250		114	66-144			
Surrogate: n-Nonane	*49.2*		*50.0*		*98.5*	*61-141*			
Matrix Spike (2526096-MS1)				**Source: E506204-09**					Prepared: 06/25/25 Analyzed: 06/25/25
Diesel Range Organics (C10-C28)	296	25.0	250	ND	118	56-156			
Surrogate: n-Nonane	*49.0*		*50.0*		*97.9*	*61-141*			
Matrix Spike Dup (2526096-MSD1)				**Source: E506204-09**					Prepared: 06/25/25 Analyzed: 06/25/25
Diesel Range Organics (C10-C28)	301	25.0	250	ND	120	56-156	1.51	20	
Surrogate: n-Nonane	*49.3*		*50.0*		*98.6*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:42:27PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2526086-BLK1)									Prepared: 06/25/25 Analyzed: 06/25/25
Chloride	ND	20.0							
LCS (2526086-BS1)									Prepared: 06/25/25 Analyzed: 06/25/25
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2526086-MS1)				**Source: E506204-04**					Prepared: 06/25/25 Analyzed: 06/25/25
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2526086-MSD1)				**Source: E506204-04**					Prepared: 06/25/25 Analyzed: 06/25/25
Chloride	259	20.0	250	ND	104	80-120	0.219	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	06/27/25 16:42

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: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT				State				
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E506204	Job Number 01058.0007	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.						x	x				
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220											
Address: 13000 W County Rd 100	Phone: 575-885-7502											
City, State, Zip: Odessa, TX, 79765	Email: jim.raley@dvn.com											
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 19285; IN-pl/1534531959											
Email: NMTXGeoGroup@etechenv.com												

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	Analysis and Method										EPA Program				
							BTEX by 8021	BTEX by 8021	STEX by 8021	VOC by 8260	Chloride 9056	TPH 8015D - GRO	BCM & Metals		TPH 8015D - DRO		SDWA	CWA	RCRA		
																	Compliance		Y	or	N
																	PWSID #				
10:20	6/19/2025	S	1	FS01	0-0.25'	1									X		Sample Temp	1.8	Remarks		
10:24	6/19/2025	S	1	FS02	0-0.25'	2									X			1.8			
10:28	6/19/2025	S	1	FS03	0-0.25'	3									X			1.6			
10:32	6/19/2025	S	1	FS04	0-0.25'	4									X			1.0			
10:36	6/19/2025	S	1	FS05	0-0.25'	5									X			0.9			
10:40	6/19/2025	S	1	FS06	0-0.25'	6									X			1.1			
10:44	6/19/2025	S	1	FS07	0-0.25'	7									X			1.2			
10:48	6/19/2025	S	1	FS08	0-0.25'	8									X			2.3			
10:52	6/19/2025	S	1	FS09	0-0.25'	9									X			2.0			
10:56	6/19/2025	S	1	FS10	0-0.25'	10									X			1.4			

Additional Instructions:

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

Sampled by: Haleigh Blume

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Haleigh Blume	6/20/2025			6.20.25	1015
Relinquished by: (Signature)	Date 6.20.25	Time 1745	Received by: (Signature)	Date 6/20/25	Time 1720
Relinquished by: (Signature)	Date 6/21/25	Time 1235am	Received by: (Signature) Caitlin Mars	Date 6.23.25	Time 800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: (Y) / N

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

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

Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E500204	Job Number 01058 00057	1D 2D 3D Std: X	NM: X CO UT TX
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 19285; IN: nKJI534531959			
Email: NMTXGeoGroup@etechenv.com				

Analysis and Method | **EPA Program**: SDWA | CWA | RCRA; Compliance: Y or N; PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	# Containers	Sample ID	Depth	Lab Number	8260B by 5035/5030	8260B by 5030/5035	8270C by 3510	8270C by 3630	Chloride 300.0	TDS 160.1 - TX	HCM & Hardness	8015M/D - GRO	8015M/D - DRO	Sample Temp	Remarks
11:00	6/20/2025	S	1	FS11	0-0.25'	11								X		2.2	
11:04	6/20/2025	S	1	FS12	0-0.25'	12								X		2.4	
11:08	6/20/2025	S	1	FS13	0-0.25'	13								X		1.0	
11:12	6/20/2025	S	1	FS14	0-0.25'	14								X		2.0	
11:16	6/20/2025	S	1	FS15	0-0.25'	15								X		2.1	
11:20	6/20/2025	S	1	FS16	0-0.25'	16								X		2.6	

Additional Instructions:

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

Sampled by: Haleigh Bluma

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/20/2025			6.20.25	1015
	6.20.25	1645		6/20/25	1720
	6/21/25	1235am		6.23.25	800

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: (Y)/N

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

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

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

Envirotech Analytical Laboratory

Printed: 6/23/2025 12:39:45PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	06/23/25 08:00	Work Order ID:	E506204
Phone:	(575) 748-0176	Date Logged In:	06/23/25 10:33	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	06/27/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 State COM #008
Work Order:	E506201
Job Number:	01058-0007
Received:	6/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/26/25

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

Date Reported: 6/26/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Black Mamba 15 State COM #008
Workorder: E506201
Date Received: 6/23/2025 8:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/23/2025 8:00:00AM, under the Project Name: Black Mamba 15 State COM #008.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 State COM #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	06/26/25 14:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01 0-0.25'	E506201-01A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SW02 0-0.25'	E506201-02A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SW03 0-0.25'	E506201-03A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SW04 0-0.25'	E506201-04A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/26/2025 2:48:44PM

SW01 0-0.25'

E506201-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2526020
Benzene	ND	0.0250	1	06/23/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/24/25	
Toluene	ND	0.0250	1	06/23/25	06/24/25	
o-Xylene	ND	0.0250	1	06/23/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*79.5 %*	*70-130*	*06/23/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2526020
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*06/23/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2526072
Diesel Range Organics (C10-C28)	ND	25.0	1	06/24/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/24/25	06/26/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/24/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526060
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/26/2025 2:48:44PM

SW02 0-0.25'

E506201-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2526020
Benzene	ND	0.0250	1	06/23/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/24/25	
Toluene	ND	0.0250	1	06/23/25	06/24/25	
o-Xylene	ND	0.0250	1	06/23/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*78.5 %*	*70-130*	*06/23/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2526020
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*06/23/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2526072
Diesel Range Organics (C10-C28)	ND	25.0	1	06/24/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/24/25	06/26/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/24/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526060
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/26/2025 2:48:44PM

SW03 0-0.25'

E506201-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2526020
Benzene	ND	0.0250	1	06/23/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/24/25	
Toluene	ND	0.0250	1	06/23/25	06/24/25	
o-Xylene	ND	0.0250	1	06/23/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.0 %*	*70-130*	*06/23/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2526020
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*06/23/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2526072
Diesel Range Organics (C10-C28)	ND	25.0	1	06/24/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/24/25	06/26/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/24/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526060
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/26/2025 2:48:44PM

SW04 0-0.25'

E506201-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2526020
Benzene	ND	0.0250	1	06/23/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/24/25	
Toluene	ND	0.0250	1	06/23/25	06/24/25	
o-Xylene	ND	0.0250	1	06/23/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.2 %*	*70-130*	*06/23/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2526020
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*06/23/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2526072
Diesel Range Organics (C10-C28)	ND	25.0	1	06/24/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/24/25	06/26/25	
Surrogate: n-Nonane		*98.9 %*	*61-141*	*06/24/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526060
Chloride	ND	20.0	1	06/24/25	06/24/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/26/2025 2:48:44PM

Volatile Organics by EPA 8021B

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 (2526020-BLK1)									Prepared: 06/23/25 Analyzed: 06/23/25
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	*6.78*		*8.00*		*84.8*	*70-130*			
LCS (2526020-BS1)									Prepared: 06/23/25 Analyzed: 06/23/25
Benzene	5.57	0.0250	5.00		111	70-130			
Ethylbenzene	5.46	0.0250	5.00		109	70-130			
Toluene	5.53	0.0250	5.00		111	70-130			
o-Xylene	5.39	0.0250	5.00		108	70-130			
p,m-Xylene	11.0	0.0500	10.0		110	70-130			
Total Xylenes	16.4	0.0250	15.0		109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.73*		*8.00*		*84.2*	*70-130*			
Matrix Spike (2526020-MS1)				**Source: E506176-03**					Prepared: 06/23/25 Analyzed: 06/24/25
Benzene	5.65	0.0250	5.00	ND	113	70-130			
Ethylbenzene	5.53	0.0250	5.00	ND	111	70-130			
Toluene	5.60	0.0250	5.00	ND	112	70-130			
o-Xylene	5.43	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	110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.54*		*8.00*		*81.8*	*70-130*			
Matrix Spike Dup (2526020-MSD1)				**Source: E506176-03**					Prepared: 06/23/25 Analyzed: 06/24/25
Benzene	5.64	0.0250	5.00	ND	113	70-130	0.0824	27	
Ethylbenzene	5.50	0.0250	5.00	ND	110	70-130	0.502	26	
Toluene	5.58	0.0250	5.00	ND	112	70-130	0.380	20	
o-Xylene	5.41	0.0250	5.00	ND	108	70-130	0.351	25	
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130	0.438	23	
Total Xylenes	16.5	0.0250	15.0	ND	110	70-130	0.410	26	
Surrogate: 4-Bromochlorobenzene-PID	*6.52*		*8.00*		*81.5*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/26/2025 2:48:44PM

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 (2526020-BLK1)									Prepared: 06/23/25 Analyzed: 06/23/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.63*		*8.00*		*95.4*	*70-130*			
LCS (2526020-BS2)									Prepared: 06/23/25 Analyzed: 06/23/25
Gasoline Range Organics (C6-C10)	40.5	20.0	50.0		81.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.80*		*8.00*		*97.4*	*70-130*			
Matrix Spike (2526020-MS2)				**Source: E506176-03**					Prepared: 06/23/25 Analyzed: 06/24/25
Gasoline Range Organics (C6-C10)	41.3	20.0	50.0	ND	82.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.85*		*8.00*		*98.1*	*70-130*			
Matrix Spike Dup (2526020-MSD2)				**Source: E506176-03**					Prepared: 06/23/25 Analyzed: 06/24/25
Gasoline Range Organics (C6-C10)	41.2	20.0	50.0	ND	82.5	70-130	0.127	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.2*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/26/2025 2:48:44PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2526072-BLK1)									Prepared: 06/24/25 Analyzed: 06/25/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.4*		*50.0*		*105*	*61-141*			
LCS (2526072-BS1)									Prepared: 06/24/25 Analyzed: 06/25/25
Diesel Range Organics (C10-C28)	278	25.0	250		111	66-144			
Surrogate: n-Nonane	*47.4*		*50.0*		*94.9*	*61-141*			
Matrix Spike (2526072-MS1)				**Source: E506185-09**					Prepared: 06/24/25 Analyzed: 06/25/25
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	56-156			
Surrogate: n-Nonane	*43.4*		*50.0*		*86.8*	*61-141*			
Matrix Spike Dup (2526072-MSD1)				**Source: E506185-09**					Prepared: 06/24/25 Analyzed: 06/25/25
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156	0.629	20	
Surrogate: n-Nonane	*46.0*		*50.0*		*92.0*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/26/2025 2:48:44PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2526060-BLK1)									Prepared: 06/24/25 Analyzed: 06/24/25
Chloride	ND	20.0							
LCS (2526060-BS1)									Prepared: 06/24/25 Analyzed: 06/24/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2526060-MS1)				**Source: E506201-03**					Prepared: 06/24/25 Analyzed: 06/24/25
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2526060-MSD1)				**Source: E506201-03**					Prepared: 06/24/25 Analyzed: 06/24/25
Chloride	255	20.0	250	ND	102	80-120	0.103	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	06/26/25 14:48

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

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

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

Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co	Lab WO# E506201	Job Number 01058-00057	1D 2D 3D Std: X	NM: X CO UT TX
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 19285; IN: inKI1534531959			
Email: NMTXGeoGroup@etechenv.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	Analysis and Method: BTEX by 8021B	TPH by 8015D	Chlorides by 300.0	VOC by 8260B	Chlorides 4500	TDS by 160.1	PCB's by 8082A	8015 - GRO	8015 - DRO	EPA Program: Sample Temp	Remarks
11:24	6/19/2025	S	1	SW01	0-0.25'	1								X		4.2	
11:28	6/19/2025	S	1	SW02	0-0.25'	2								X		4.1	
12:56	6/19/2025	S	1	SW03	0-0.25'	3								X		4.2	
13:00	6/19/2025	S	1	SW04	0-0.25'	4								X		4.5	

SDWA: | CWA: | RCRA:
Compliance: Y | N
PWSID #:

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of the samples. I am aware that tampering with or intentionally misdabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.
Sampled by: Haleigh Stone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	06/20/2025			6.20.25	1015
Relinquished by: (Signature)	Date 6.20.25	Time 1645	Received by: (Signature)	Date 6/20/25	Time 1710
Relinquished by: (Signature)	Date 6/21/25	Time 1235am	Received by: (Signature)	Date 6/23/25	Time 800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: Y / N

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

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

Envirotech Analytical Laboratory

Printed: 6/23/2025 12:31:09PM

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:	Devon Energy - Carlsbad	Date Received:	06/23/25 08:00	Work Order ID:	E506201
Phone:	(575) 748-0176	Date Logged In:	06/23/25 10:23	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	06/27/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 State COM #008
Work Order:	E509135
Job Number:	01058-0007
Received:	9/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/19/25

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: 9/19/25

Anna Byers
333 W Sheridan Avenue
Oklahoma City, OK 73102-5010

Project Name: Black Mamba 15 State COM #008
Workorder: E509135
Date Received: 9/12/2025 10:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/12/2025 10:30:00AM, under the Project Name: Black Mamba 15 State COM #008.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 State COM #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	09/19/25 11:51

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS17 0.5'	E509135-01A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
FS18 0.5'	E509135-02A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
FS19 0.5'	E509135-03A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
FS20 0.5'	E509135-04A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
FS21 0.5'	E509135-05A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
FS22 0.5'	E509135-06A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:51:15AM

FS17 0.5'

E509135-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*98.3 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538014
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:51:15AM

FS18 0.5'

E509135-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*96.4 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538014
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:51:15AM

FS19 0.5'

E509135-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*112 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*98.3 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538014
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:51:15AM

FS20 0.5'

E509135-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*96.3 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538014
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:51:15AM

FS21 0.5'

E509135-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*112 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*97.6 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538014
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:51:15AM

FS22 0.5'

E509135-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*111 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538014
Chloride	ND	20.0	1	09/15/25	09/15/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:51:15AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538009-BLK1)									Prepared: 09/15/25 Analyzed: 09/16/25
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	*8.62*		*8.00*		*108*	*70-130*			
LCS (2538009-BS1)									Prepared: 09/15/25 Analyzed: 09/16/25
Benzene	3.59	0.0250	5.00		71.7	70-130			
Ethylbenzene	3.59	0.0250	5.00		71.8	70-130			
Toluene	3.58	0.0250	5.00		71.5	70-130			
o-Xylene	3.70	0.0250	5.00		74.0	70-130			
p,m-Xylene	7.32	0.0500	10.0		73.2	70-130			
Total Xylenes	11.0	0.0250	15.0		73.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.68*		*8.00*		*108*	*70-130*			
Matrix Spike (2538009-MS1)				**Source: E509135-04**					Prepared: 09/15/25 Analyzed: 09/16/25
Benzene	3.90	0.0250	5.00	ND	77.9	70-130			
Ethylbenzene	3.89	0.0250	5.00	ND	77.8	70-130			
Toluene	3.88	0.0250	5.00	ND	77.6	70-130			
o-Xylene	4.02	0.0250	5.00	ND	80.3	70-130			
p,m-Xylene	7.94	0.0500	10.0	ND	79.4	70-130			
Total Xylenes	12.0	0.0250	15.0	ND	79.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.68*		*8.00*		*108*	*70-130*			
Matrix Spike Dup (2538009-MSD1)				**Source: E509135-04**					Prepared: 09/15/25 Analyzed: 09/16/25
Benzene	4.24	0.0250	5.00	ND	84.7	70-130	8.39	27	
Ethylbenzene	4.24	0.0250	5.00	ND	84.8	70-130	8.58	26	
Toluene	4.22	0.0250	5.00	ND	84.4	70-130	8.32	20	
o-Xylene	4.36	0.0250	5.00	ND	87.2	70-130	8.17	25	
p,m-Xylene	8.63	0.0500	10.0	ND	86.3	70-130	8.31	23	
Total Xylenes	13.0	0.0250	15.0	ND	86.6	70-130	8.26	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.85*		*8.00*		*111*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:51:15AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538009-BLK1)									Prepared: 09/15/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.7*	*70-130*			
LCS (2538009-BS2)									Prepared: 09/15/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0		94.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.57*		*8.00*		*94.7*	*70-130*			
Matrix Spike (2538009-MS2)				**Source: E509135-04**					Prepared: 09/15/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	51.1	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.4*	*70-130*			
Matrix Spike Dup (2538009-MSD2)				**Source: E509135-04**					Prepared: 09/15/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	56.7	20.0	50.0	ND	113	70-130	10.5	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.8*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:51:15AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538002-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*61-141*			
LCS (2538002-BS1)									Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	268	25.0	250		107	66-144			
Surrogate: n-Nonane	*48.8*		*50.0*		*97.5*	*61-141*			
Matrix Spike (2538002-MS1)				**Source: E509135-02**					Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	56-156			
Surrogate: n-Nonane	*48.0*		*50.0*		*96.1*	*61-141*			
Matrix Spike Dup (2538002-MSD1)				**Source: E509135-02**					Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	56-156	1.98	20	
Surrogate: n-Nonane	*49.6*		*50.0*		*99.2*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:51:15AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538014-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	ND	20.0							
LCS (2538014-BS1)									Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2538014-MS1)				**Source: E509134-06**					Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2538014-MSD1)				**Source: E509134-06**					Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	257	20.0	250	ND	103	80-120	1.46	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	09/19/25 11:51

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: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

E509135 on 9/15/25

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E509134	Job Number 01089-0057	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.						x	x				
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220											
Address: 13000 W County Rd 100	Phone: 575-885-7502											
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com											
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 19285; IN:											
Email: NMTXGeoGroup@etechenv.com	eKI1534531959											

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	Analysis and Method										EPA Program			
							8021B/5030 by BTEX	8260B/5030 by BTEX	8270C by BNA	VOC by 8260B	Chloride 300.0	TPH by 8015	BOH @ Mohr		TPH 8015		SDWA	CWA	RCRA	
																	Compliance	Y	or	N
																	PWSID #			
10:30	9/10/2025	S	1	FS17	0.5'	1									X		3.8			
10:35	9/10/2025	S	1	FS18	0.5'	2									X		3.6			
11:05	9/10/2025	S	1	FS19	0.5'	3									X		4.2			
11:10	9/10/2025	S	1	FS20	0.5'	4									X		4.2			
11:15	9/10/2025	S	1	FS21	0.5'	5									X		4.0			
11:20	9/10/2025	S	1	FS22	0.5'	6									X		4.1			

Additional Instructions:

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

Sampled by: Haleigh Bloom

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	9/11/2025	10:15	[signature]	9-12-25	1030
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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: (Y) N

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

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

Envirotech Analytical Laboratory

Printed: 9/15/2025 10:20:38AM

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:	Devon Energy - Carlsbad	Date Received:	09/12/25 10:30	Work Order ID:	E509135
Phone:	(575) 748-0176	Date Logged In:	09/12/25 12:42	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	09/19/25 17:00 (5 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 State COM #008
Work Order:	E509133
Job Number:	01058-0007
Received:	9/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/19/25

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: 9/19/25

Anna Byers
333 W Sheridan Avenue
Oklahoma City, OK 73102-5010

Project Name: Black Mamba 15 State COM #008
Workorder: E509133
Date Received: 9/12/2025 10:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/12/2025 10:30:00AM, under the Project Name: Black Mamba 15 State COM #008.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 State COM #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	09/19/25 11:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW05 0-0.5'	E509133-01A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
SW06 0-0.5'	E509133-02A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
SW07 0-0.5'	E509133-03A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
SW08 0-0.5'	E509133-04A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:52:28AM

SW05 0-0.5'

E509133-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538007
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*90.4 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538008
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:52:28AM

SW06 0-0.5'

E509133-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538007
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.4 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*91.4 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538008
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:52:28AM

SW07 0-0.5'

E509133-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538007
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*88.7 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538008
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:52:28AM

SW08 0-0.5'

E509133-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538007
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*90.3 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538008
Chloride	ND	20.0	1	09/15/25	09/15/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:52:28AM

Volatile Organics by EPA 8021B

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 (2538007-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.38*		*8.00*		*92.2*	*70-130*			
LCS (2538007-BS1)									Prepared: 09/15/25 Analyzed: 09/15/25
Benzene	4.75	0.0250	5.00		95.1	70-130			
Ethylbenzene	5.13	0.0250	5.00		103	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
o-Xylene	5.13	0.0250	5.00		103	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.26*		*8.00*		*90.8*	*70-130*			
Matrix Spike (2538007-MS1)				**Source: E509130-01**					Prepared: 09/15/25 Analyzed: 09/15/25
Benzene	5.13	0.0250	5.00	ND	103	70-130			
Ethylbenzene	5.55	0.0250	5.00	ND	111	70-130			
Toluene	5.43	0.0250	5.00	ND	109	70-130			
o-Xylene	5.53	0.0250	5.00	ND	111	70-130			
p,m-Xylene	11.2	0.0500	10.0	ND	112	70-130			
Total Xylenes	16.7	0.0250	15.0	ND	111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.63*		*8.00*		*95.4*	*70-130*			
Matrix Spike Dup (2538007-MSD1)				**Source: E509130-01**					Prepared: 09/15/25 Analyzed: 09/15/25
Benzene	4.70	0.0250	5.00	ND	93.9	70-130	8.92	27	
Ethylbenzene	5.05	0.0250	5.00	ND	101	70-130	9.44	26	
Toluene	4.94	0.0250	5.00	ND	98.9	70-130	9.32	20	
o-Xylene	5.08	0.0250	5.00	ND	102	70-130	8.53	25	
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130	9.17	23	
Total Xylenes	15.3	0.0250	15.0	ND	102	70-130	8.96	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.1*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:52:28AM

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 (2538007-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.45*		*8.00*		*93.2*	*70-130*			
LCS (2538007-BS2)									Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	45.3	20.0	50.0		90.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.44*		*8.00*		*93.1*	*70-130*			
Matrix Spike (2538007-MS2)				**Source: E509130-01**					Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.41*		*8.00*		*92.7*	*70-130*			
Matrix Spike Dup (2538007-MSD2)				**Source: E509130-01**					Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.1	70-130	2.24	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.46*		*8.00*		*93.2*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:52:28AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538001-BLK1)									Prepared: 09/15/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.4*		*50.0*		*92.7*	*61-141*			
LCS (2538001-BS1)									Prepared: 09/15/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	242	25.0	250		96.7	66-144			
Surrogate: n-Nonane	*47.2*		*50.0*		*94.5*	*61-141*			
Matrix Spike (2538001-MS1)				**Source: E509130-01**					Prepared: 09/15/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	56-156			
Surrogate: n-Nonane	*46.8*		*50.0*		*93.7*	*61-141*			
Matrix Spike Dup (2538001-MSD1)				**Source: E509130-01**					Prepared: 09/15/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.0	56-156	1.06	20	
Surrogate: n-Nonane	*47.2*		*50.0*		*94.5*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:52:28AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538008-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	ND	20.0							
LCS (2538008-BS1)									Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2538008-MS1)				**Source: E509130-02**					Prepared: 09/15/25 Analyzed: 09/16/25
Chloride	463	200	250	201	105	80-120			
Matrix Spike Dup (2538008-MSD1)				**Source: E509130-02**					Prepared: 09/15/25 Analyzed: 09/16/25
Chloride	449	200	250	201	99.3	80-120	3.16	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State COM #008	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	09/19/25 11:52

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

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

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

Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

E509133 cm 9/5/25

Client Information	Invoice Information	Lab Use Only	TAT				State				
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E509133	Job Number 01959-0007	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Black Mamba 15 STATE COM #008	Address: 5315 Buena Vista Dr.						x	x				
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220											
Address: 13000 W County Rd 100	Phone: 575-885-7502											
City, State, Zip_Odessa,TX, 79765	Email: jirn.raley@dvn.com											
Phone: 432-305-6415	Miscellaneous: WO: 21206816; PN: 19285; IN: nKJ1534531959											
Email: NMTXGeoGroup@etechenv.com												

Sample Information							Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		SDWA	CWA	RCRA	
																		Compliance	Y	or	N
																		PWSID #			
10:20	9/10/2025	S	1	SW05	0-0.5'	1									X			3.6			
10:25	9/10/2025	S	1	SW06	0-0.5'	2									X			3.4			
10:55	9/10/2025	S	1	SW07	0-0.5'	3									X			3.8			
11:00	9/10/2025	S	1	SW08	0-0.5'	4									X			3.6			

Sample Temp | Remarks

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: Haleigh Blume

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	09/11/2025	0715	Nee Sato	9-12-25	1030
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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: (Y) N

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

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

Envirotech Analytical Laboratory

Printed: 9/15/2025 10:16:47AM

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:	Devon Energy - Carlsbad	Date Received:	09/12/25 10:30	Work Order ID:	E509133
Phone:	(575) 748-0176	Date Logged In:	09/12/25 12:00	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	09/19/25 17:00 (5 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 STATE COM #009
Work Order:	E506014
Job Number:	01058-0007
Received:	6/4/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/10/25

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

Date Reported: 6/10/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Black Mamba 15 STATE COM #009
Workorder: E506014
Date Received: 6/4/2025 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/4/2025 7:30:00AM, under the Project Name: Black Mamba 15 STATE COM #009.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 STATE COM #009 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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mgonzales@envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	06/10/25 12:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 0.5	E506014-01A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH01 1	E506014-02A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH01 2	E506014-03A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH01 3	E506014-04A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH01 4	E506014-05A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH02 0.5	E506014-06A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH02 1	E506014-07A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH02 2	E506014-08A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH02 3	E506014-09A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH02 4	E506014-10A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH03 0.5	E506014-11A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH03 1	E506014-12A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH03 2	E506014-13A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH03 3	E506014-14A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH03 4	E506014-15A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH04 0.5	E506014-16A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH04 1	E506014-17A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH04 2	E506014-18A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH04 3	E506014-19A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
BH04 4	E506014-20A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH01 0.5

E506014-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/04/25	
Toluene	ND	0.0250	1	06/04/25	06/04/25	
o-Xylene	ND	0.0250	1	06/04/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH01 1

E506014-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/04/25	
Toluene	ND	0.0250	1	06/04/25	06/04/25	
o-Xylene	ND	0.0250	1	06/04/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH01 2

E506014-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/04/25	
Toluene	ND	0.0250	1	06/04/25	06/04/25	
o-Xylene	ND	0.0250	1	06/04/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH01 3

E506014-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/04/25	
Toluene	ND	0.0250	1	06/04/25	06/04/25	
o-Xylene	ND	0.0250	1	06/04/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH01 4

E506014-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/04/25	
Toluene	ND	0.0250	1	06/04/25	06/04/25	
o-Xylene	ND	0.0250	1	06/04/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH02 0.5

E506014-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/04/25	
Toluene	ND	0.0250	1	06/04/25	06/04/25	
o-Xylene	ND	0.0250	1	06/04/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/04/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH02 1

E506014-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/04/25	
Toluene	ND	0.0250	1	06/04/25	06/04/25	
o-Xylene	ND	0.0250	1	06/04/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH02 2

E506014-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/04/25	
Toluene	ND	0.0250	1	06/04/25	06/04/25	
o-Xylene	ND	0.0250	1	06/04/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH02 3

E506014-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/04/25	
Toluene	ND	0.0250	1	06/04/25	06/04/25	
o-Xylene	ND	0.0250	1	06/04/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH02 4

E506014-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/04/25	
Toluene	ND	0.0250	1	06/04/25	06/04/25	
o-Xylene	ND	0.0250	1	06/04/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH03 0.5

E506014-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/04/25	
Toluene	ND	0.0250	1	06/04/25	06/04/25	
o-Xylene	ND	0.0250	1	06/04/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH03 1

E506014-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/04/25	
Toluene	ND	0.0250	1	06/04/25	06/04/25	
o-Xylene	ND	0.0250	1	06/04/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*06/04/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH03 2

E506014-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH03 3

E506014-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*121 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH03 4

E506014-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH04 0.5

E506014-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/05/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*06/04/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH04 1

E506014-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523139
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/09/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*06/04/25*	*06/09/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH04 2

E506014-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523139
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/09/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*06/04/25*	*06/09/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH04 3

E506014-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523139
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/09/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*06/04/25*	*06/09/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

BH04 4

E506014-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Benzene	ND	0.0250	1	06/04/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/04/25	06/05/25	
Toluene	ND	0.0250	1	06/04/25	06/05/25	
o-Xylene	ND	0.0250	1	06/04/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/04/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/04/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523092
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/04/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*06/04/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523139
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/25	06/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/25	06/09/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*06/04/25*	*06/09/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523098
Chloride	ND	20.0	1	06/04/25	06/05/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523092-BLK1)									Prepared: 06/04/25 Analyzed: 06/04/25
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	*7.81*		*8.00*		*97.6*	*70-130*			
LCS (2523092-BS1)									Prepared: 06/04/25 Analyzed: 06/04/25
Benzene	5.24	0.0250	5.00		105	70-130			
Ethylbenzene	5.39	0.0250	5.00		108	70-130			
Toluene	5.37	0.0250	5.00		107	70-130			
o-Xylene	5.32	0.0250	5.00		106	70-130			
p,m-Xylene	10.9	0.0500	10.0		109	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.2*	*70-130*			
Matrix Spike (2523092-MS1)				**Source: E506014-04**					Prepared: 06/04/25 Analyzed: 06/04/25
Benzene	5.28	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.40	0.0250	5.00	ND	108	70-130			
Toluene	5.39	0.0250	5.00	ND	108	70-130			
o-Xylene	5.33	0.0250	5.00	ND	107	70-130			
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130			
Total Xylenes	16.2	0.0250	15.0	ND	108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike Dup (2523092-MSD1)				**Source: E506014-04**					Prepared: 06/04/25 Analyzed: 06/04/25
Benzene	5.53	0.0250	5.00	ND	111	70-130	4.71	27	
Ethylbenzene	5.70	0.0250	5.00	ND	114	70-130	5.45	26	
Toluene	5.67	0.0250	5.00	ND	113	70-130	5.07	20	
o-Xylene	5.62	0.0250	5.00	ND	112	70-130	5.33	25	
p,m-Xylene	11.5	0.0500	10.0	ND	115	70-130	5.42	23	
Total Xylenes	17.1	0.0250	15.0	ND	114	70-130	5.39	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.9*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523092-BLK1)									Prepared: 06/04/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.54*		*8.00*		*94.2*	*70-130*			
LCS (2523092-BS2)									Prepared: 06/04/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.82*		*8.00*		*97.7*	*70-130*			
Matrix Spike (2523092-MS2)				**Source: E506014-04**					Prepared: 06/04/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.1*	*70-130*			
Matrix Spike Dup (2523092-MSD2)				**Source: E506014-04**					Prepared: 06/04/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130	3.20	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.75*		*8.00*		*96.9*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523094-BLK1)									Prepared: 06/04/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.1*		*50.0*		*112*	*61-141*			
LCS (2523094-BS1)									Prepared: 06/04/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	287	25.0	250		115	66-144			
Surrogate: n-Nonane	*55.5*		*50.0*		*111*	*61-141*			
Matrix Spike (2523094-MS1)				**Source: E506014-09**					Prepared: 06/04/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	56-156			
Surrogate: n-Nonane	*57.0*		*50.0*		*114*	*61-141*			
Matrix Spike Dup (2523094-MSD1)				**Source: E506014-09**					Prepared: 06/04/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156	0.927	20	
Surrogate: n-Nonane	*55.9*		*50.0*		*112*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523139-BLK1)									Prepared: 06/06/25 Analyzed: 06/09/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*59.0*		*50.0*		*118*	*61-141*			
LCS (2523139-BS1)									Prepared: 06/06/25 Analyzed: 06/09/25
Diesel Range Organics (C10-C28)	307	25.0	250		123	66-144			
Surrogate: n-Nonane	*59.1*		*50.0*		*118*	*61-141*			
Matrix Spike (2523139-MS1)				**Source: E506036-07**					Prepared: 06/06/25 Analyzed: 06/10/25
Diesel Range Organics (C10-C28)	784	25.0	250	532	101	56-156			
Surrogate: n-Nonane	*60.8*		*50.0*		*122*	*61-141*			
Matrix Spike Dup (2523139-MSD1)				**Source: E506036-07**					Prepared: 06/06/25 Analyzed: 06/10/25
Diesel Range Organics (C10-C28)	830	25.0	250	532	119	56-156	5.71	20	
Surrogate: n-Nonane	*58.8*		*50.0*		*118*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/10/2025 12:30:30PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523098-BLK1)									Prepared: 06/04/25 Analyzed: 06/04/25
Chloride	ND	20.0							
LCS (2523098-BS1)									Prepared: 06/04/25 Analyzed: 06/04/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2523098-MS1)				**Source: E506014-06**					Prepared: 06/04/25 Analyzed: 06/04/25
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2523098-MSD1)				**Source: E506014-06**					Prepared: 06/04/25 Analyzed: 06/04/25
Chloride	254	20.0	250	ND	102	80-120	0.157	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	06/10/25 12:30

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: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E506014	Job Number D1058:0007	1D 2D 3D Std: x	NM CO UT TX
Project: Black Mamba 15 STATE COM #009	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip_Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206815; PN: 19286; IN: nKJ1535733981			
Email: NMTXGeoGroup@etechenv.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
14:35	6/2/2025	S	1	BH01	0.5	1									X			3.6	
14:40	6/2/2025	S	1	BH01	1	2									X			2.1	
14:45	6/2/2025	S	1	BH01	2	3									X			1.4	
14:50	6/2/2025	S	1	BH01	3	4									X			1.4	
14:55	6/2/2025	S	1	BH01	4	5									X			1.8	
~~15:~~15	6/2/2025	S	1	BH02	0.5	6									X			2.6	
15:20	6/2/2025	S	1	BH02	1	7									X			1.8	
15:25	6/2/2025	S	1	BH02	2	8									X			2.5	
15:30	6/2/2025	S	1	BH02	3	9									X			3.0	
15:35	6/2/2025	S	1	BH02	4	10									X			2.8	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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: ~~Edyie Kenez~~ LB Hughes Brooks

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	6/3/2025		Michelle Gonzales	6.3.25	1145
Michelle Gonzales	6.3.25	1600	[signature]	6.3.25	1600
[signature]	6.3.25	2200	Caitlin Mars	6.4.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: (Y) N

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

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

Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E506014	Job Number 01058-0007	1D 2D 3D Std	NM CO UT TX
Project: Black Mamba 15 STATE COM #009	Address: 5315 Buena Vista Dr.			x	
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220				
Address: 13000 W County Rd 100	Phone: 575-885-7502				
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com				
Phone: 432-305-6415	Miscellaneous: WO: 21206815; PN: 19286; IN: nKJ1535733981				
Email: NMTXGenGroup@etechenv.com					

Sample Information

Time Sampled	Date Sampled	Matrix	# of Containers	Sample ID	Depth	Lab Number	Analysis and Method: Chlorides by 9056	Chlorides by 4500	BTEX by 8021	VOC by 8260	Chloride 300.0	TCLP Lead	RCRA 8 Metals	Analysis and Method: Basic - NM	Basic - TX	EPA Program: SDWA / CWA / RCRA	Compliance Y / N	PWSID #	Sample Temp	Remarks
15:40	6/2/2025	S	1	BH03	0.5	11								X					2.2	
15:45	6/2/2025	S	1	BH03	1	12								X					2.0	
15:50	6/2/2025	S	1	BH03	2	13								X					2.5	
15:55	6/2/2025	S	1	BH03	3	14								X					3.3	
16:00	6/2/2025	S	1	BH03	4	15								X					4.1	
16:05	6/2/2025	S	1	BH04	0.5	16								X					3.1	
16:10	6/2/2025	S	1	BH04	1	17								X					2.4	
16:15	6/2/2025	S	1	BH04	2	18								X					2.2	
~~16:20~~ 16:18	6/2/2025	S	1	BH04	3	19								X					2.3	
~~16:25~~ 16:21	6/2/2025	S	1	BH04	4	20								X					2.7	

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: H5 Holguin

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/2/2025		Michelle Gonzales	6.3.25	1045
Michelle Gonzales	6.3.25	1600		6.3.25	1600
	6-3-25	2200	Caitlin Mann	6.4.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: Y / N

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

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

Envirotech Analytical Laboratory

Printed: 6/4/2025 8:11:47AM

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:	Devon Energy - Carlsbad	Date Received:	06/04/25 07:30	Work Order ID:	E506014
Phone:	(575) 748-0176	Date Logged In:	06/03/25 14:14	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	06/10/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 STATE COM #009
Work Order:	E506024
Job Number:	01058-0007
Received:	6/5/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/11/25

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

Date Reported: 6/11/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Black Mamba 15 STATE COM #009
Workorder: E506024
Date Received: 6/5/2025 7:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/5/2025 7:00:00AM, under the Project Name: Black Mamba 15 STATE COM #009.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 STATE COM #009 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	06/11/25 08:49

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05 0.5'	E506024-01A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH05 1'	E506024-02A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH05 2'	E506024-03A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH05 3'	E506024-04A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH05 4'	E506024-05A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH06 0.5'	E506024-06A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH06 1'	E506024-07A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH06 2'	E506024-08A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH06 3'	E506024-09A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH06 4'	E506024-10A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH07 0.5'	E506024-11A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH07 1'	E506024-12A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH07 2'	E506024-13A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH07 3'	E506024-14A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH07 4'	E506024-15A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH08 0.5'	E506024-16A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH08 1'	E506024-17A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH08 2'	E506024-18A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH08 3'	E506024-19A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH08 4'	E506024-20A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH05 0.5'

E506024-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH05 1'

E506024-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.4 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH05 2'

E506024-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.2 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH05 3'

E506024-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH05 4'

E506024-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH06 0.5'

E506024-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.7 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH06 1'

E506024-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH06 2'

E506024-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.4 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH06 3'

E506024-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.4 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH06 4'

E506024-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH07 0.5'

E506024-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH07 1'

E506024-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*99.9 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH07 2'

E506024-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.0 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH07 3'

E506024-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH07 4'

E506024-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH08 0.5'

E506024-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH08 1'

E506024-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH08 2'

E506024-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.0 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH08 3'

E506024-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.0 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

BH08 4'

E506024-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.5 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523101
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523112
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523110
Chloride	ND	20.0	1	06/05/25	06/06/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

Volatile Organics by EPA 8021B

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 (2523101-BLK1)									Prepared: 06/05/25 Analyzed: 06/05/25
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	*6.70*		*8.00*		*83.8*	*70-130*			
LCS (2523101-BS1)									Prepared: 06/05/25 Analyzed: 06/05/25
Benzene	5.17	0.0250	5.00		103	70-130			
Ethylbenzene	5.10	0.0250	5.00		102	70-130			
Toluene	5.14	0.0250	5.00		103	70-130			
o-Xylene	5.08	0.0250	5.00		102	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.33*		*8.00*		*91.6*	*70-130*			
Matrix Spike (2523101-MS1)				**Source: E506024-05**					Prepared: 06/05/25 Analyzed: 06/05/25
Benzene	5.42	0.0250	5.00	ND	108	70-130			
Ethylbenzene	5.34	0.0250	5.00	ND	107	70-130			
Toluene	5.39	0.0250	5.00	ND	108	70-130			
o-Xylene	5.29	0.0250	5.00	ND	106	70-130			
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130			
Total Xylenes	16.1	0.0250	15.0	ND	107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.38*		*8.00*		*92.2*	*70-130*			
Matrix Spike Dup (2523101-MSD1)				**Source: E506024-05**					Prepared: 06/05/25 Analyzed: 06/05/25
Benzene	5.70	0.0250	5.00	ND	114	70-130	5.04	27	
Ethylbenzene	5.65	0.0250	5.00	ND	113	70-130	5.49	26	
Toluene	5.68	0.0250	5.00	ND	114	70-130	5.29	20	
o-Xylene	5.60	0.0250	5.00	ND	112	70-130	5.63	25	
p,m-Xylene	11.4	0.0500	10.0	ND	114	70-130	5.41	23	
Total Xylenes	17.0	0.0250	15.0	ND	113	70-130	5.48	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.2*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

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 (2523101-BLK1)									Prepared: 06/05/25 Analyzed: 06/05/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.61*		*8.00*		*95.1*	*70-130*			
LCS (2523101-BS2)									Prepared: 06/05/25 Analyzed: 06/05/25
Gasoline Range Organics (C6-C10)	43.0	20.0	50.0		85.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.6*	*70-130*			
Matrix Spike (2523101-MS2)				**Source: E506024-05**					Prepared: 06/05/25 Analyzed: 06/05/25
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.78*		*8.00*		*97.3*	*70-130*			
Matrix Spike Dup (2523101-MSD2)				**Source: E506024-05**					Prepared: 06/05/25 Analyzed: 06/05/25
Gasoline Range Organics (C6-C10)	40.3	20.0	50.0	ND	80.6	70-130	15.5	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.75*		*8.00*		*96.9*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523112-BLK1)									Prepared: 06/05/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.8*		*50.0*		*99.7*	*61-141*			
LCS (2523112-BS1)									Prepared: 06/05/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	274	25.0	250		110	66-144			
Surrogate: n-Nonane	*47.3*		*50.0*		*94.5*	*61-141*			
Matrix Spike (2523112-MS1)				**Source: E506024-04**					Prepared: 06/05/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156			
Surrogate: n-Nonane	*45.3*		*50.0*		*90.7*	*61-141*			
Matrix Spike Dup (2523112-MSD1)				**Source: E506024-04**					Prepared: 06/05/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	56-156	2.37	20	
Surrogate: n-Nonane	*49.1*		*50.0*		*98.2*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:49:49AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523110-BLK1)									Prepared: 06/05/25 Analyzed: 06/05/25
Chloride	ND	20.0							
LCS (2523110-BS1)									Prepared: 06/05/25 Analyzed: 06/05/25
Chloride	259	20.0	250		103	90-110			
Matrix Spike (2523110-MS1)				**Source: E506024-04**					Prepared: 06/05/25 Analyzed: 06/05/25
Chloride	259	20.0	250	ND	104	80-120			
Matrix Spike Dup (2523110-MSD1)				**Source: E506024-04**					Prepared: 06/05/25 Analyzed: 06/05/25
Chloride	262	20.0	250	ND	105	80-120	1.02	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	06/11/25 08:49

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: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E506024	Job Number 01058 0007	1D 2D 3D Std: x	NM CO UT TX
Project: Black Mamba 15 STATE COM #009	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206815; PN: 19786; IN: nKJ1535733981			
Email: NMTXGeoGroup@etechenv.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	Chloride	Sulfate	TPH	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Chloride	Sulfate	TDS	pH	Sample Temp	Remarks
11:05	6/5/2025	S	1	BH05	0.5	1												X		2.0	
11:10	6/5/2025	S	1	BH05	1	2												X		2.0	
11:15	6/5/2025	S	1	BH05	2	3												X		2.1	
11:20	6/5/2025	S	1	BH05	3	4												X		1.8	
11:25	6/5/2025	S	1	BH05	4	5												X		3.3	
11:45	6/5/2025	S	1	BH06	0.5	6												X		3.5	
11:50	6/5/2025	S	1	BH06	1	7												X		1.4	
11:55	6/5/2025	S	1	BH06	2	8												X		1.8	
12:00	6/5/2025	S	1	BH06	3	9												X		1.4	
12:05	6/5/2025	S	1	BH06	4	10												X		3.7	

Analysis and Method: Chloride, Sulfate, TDS, pH

EPA Program: SDWA | CWA | RCRA

Compliance: Y or N

PWSID #:

Additional Instructions:

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

Sampled by: AJ

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	6/6/2025		Michelle Gonzales	6-4-25	1200
Michelle Gonzales	6-4-25	1700	Richard Gonzales	6-4-25	1700
Richard Gonzales	6-4-25	2300	Caitlin Mars	6.5.25	700
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: (Y) N

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

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

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

Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT				State				
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E500024	Job Number 01058-0007	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Black Mamba 15 STATE COM #009	Address: 5315 Buena Vista Dr.						x					
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220											
Address: 13000 W County Rd 100	Phone: 575-885-7502											
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com											
Phone: 432-305-6415	Miscellaneous: WO: 21706815; PN: 19286; IN: inv1535733981											
Email: NMTXGeoGroup@etechenv.com												

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance | Y | or | N

PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	Sample Temp	Remarks
12:15	6/3/2025	S	1	BH07	0.5	11	2.2	
12:20	6/3/2025	S	1	BH07	1	12	4.4	
12:25	6/3/2025	S	1	BH07	2	13	2.6	
12:30	6/3/2025	S	1	BH07	3	14	2.2	
12:35	6/3/2025	S	1	BH07	4	15	1.9	
12:45	6/3/2025	S	1	BH08	0.5	16	3.3	
12:50	6/3/2025	S	1	BH08	1	17	4.1	
12:55	6/3/2025	S	1	BH08	2	18	4.5	
13:00	6/3/2025	S	1	BH08	3	19	1.4	
13:05	6/3/2025	S	1	BH08	4	20	3.0	

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[illegible]	6/4/2025		Michelle Gonzales	6.4.25	1200
Relinquished by: (Signature) Michelle Gonzales	6.4.25	1700	Richard Gonzales		
Relinquished by: (Signature) Richard Gonzales			Caitlin Main	6.5.25	700
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: (Y) N

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

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

Envirotech Analytical Laboratory

Printed: 6/5/2025 9:53:51AM

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:	Devon Energy - Carlsbad	Date Received:	06/05/25 07:00	Work Order ID:	E506024
Phone:	(575) 748-0176	Date Logged In:	06/04/25 14:30	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	06/11/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Project Black Mamba 15 STATE COM #009 has been seperated into 2 reports due to sample volume. WOs are E506024 & E506025.

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 STATE COM #009
Work Order:	E506025
Job Number:	01058-0007
Received:	6/5/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/11/25

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.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/11/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Black Mamba 15 STATE COM #009
Workorder: E506025
Date Received: 6/5/2025 7:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/5/2025 7:00:00AM, under the Project Name: Black Mamba 15 STATE COM #009.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 STATE COM #009 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	06/11/25 08:55

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH09 0.5'	E506025-01A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH09 1'	E506025-02A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH09 2'	E506025-03A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH09 3'	E506025-04A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH09 4'	E506025-05A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH10 0.5'	E506025-06A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH10 1'	E506025-07A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH10 2'	E506025-08A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH10 3'	E506025-09A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH10 4'	E506025-10A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH11 0.5'	E506025-11A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH11 1'	E506025-12A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH11 2'	E506025-13A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH11 3'	E506025-14A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH11 4'	E506025-15A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH12 0.5'	E506025-16A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH12 1'	E506025-17A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH12 2'	E506025-18A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH12 3'	E506025-19A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH12 4'	E506025-20A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH13 0.5'	E506025-21A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH13 1'	E506025-22A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH13 2'	E506025-23A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH13 3'	E506025-24A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH13 4'	E506025-25A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH14 0.5'	E506025-26A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH14 1'	E506025-27A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH14 2'	E506025-28A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH14 3'	E506025-29A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.
BH14 4'	E506025-30A	Soil	06/03/25	06/05/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH09 0.5'

E506025-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/09/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/09/25	
Toluene	ND	0.0250	1	06/05/25	06/09/25	
o-Xylene	ND	0.0250	1	06/05/25	06/09/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/09/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/09/25	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*06/05/25*	*06/09/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.3 %*	*70-130*	*06/05/25*	*06/09/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH09 1'

E506025-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.6 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH09 2'

E506025-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.4 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*99.7 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH09 3'

E506025-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.3 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH09 4'

E506025-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/09/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/09/25	
Toluene	ND	0.0250	1	06/05/25	06/09/25	
o-Xylene	ND	0.0250	1	06/05/25	06/09/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/09/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/09/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*06/05/25*	*06/09/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.5 %*	*70-130*	*06/05/25*	*06/09/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH10 0.5'

E506025-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.7 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH10 1'

E506025-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.1 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH10 2'

E506025-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.6 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH10 3'

E506025-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*80.2 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH10 4'

E506025-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.7 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	**27.0**	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH11 0.5'

E506025-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.5 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*99.2 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH11 1'

E506025-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.4 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*99.2 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH11 2'

E506025-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.8 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*99.2 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH11 3'

E506025-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.9 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH11 4'

E506025-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.4 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH12 0.5'

E506025-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.9 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH12 1'

E506025-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.5 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH12 2'

E506025-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.1 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	**22.9**	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH12 3'

E506025-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*79.0 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH12 4'

E506025-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Benzene	ND	0.0250	1	06/05/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/05/25	
Toluene	ND	0.0250	1	06/05/25	06/05/25	
o-Xylene	ND	0.0250	1	06/05/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523103
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.7 %*	*70-130*	*06/05/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523113
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/05/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523114
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH13 0.5'

E506025-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Benzene	ND	0.0250	1	06/05/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/06/25	
Toluene	ND	0.0250	1	06/05/25	06/06/25	
o-Xylene	ND	0.0250	1	06/05/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/06/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.1 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523119
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/06/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/05/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523108
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH13 1'

E506025-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Benzene	ND	0.0250	1	06/05/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/06/25	
Toluene	ND	0.0250	1	06/05/25	06/06/25	
o-Xylene	ND	0.0250	1	06/05/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/06/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.8 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523119
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/06/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/05/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523108
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH13 2'

E506025-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Benzene	ND	0.0250	1	06/05/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/06/25	
Toluene	ND	0.0250	1	06/05/25	06/06/25	
o-Xylene	ND	0.0250	1	06/05/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/06/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.5 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523119
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/06/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*06/05/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523108
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH13 3'

E506025-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Benzene	ND	0.0250	1	06/05/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/06/25	
Toluene	ND	0.0250	1	06/05/25	06/06/25	
o-Xylene	ND	0.0250	1	06/05/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/06/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523119
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/06/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/05/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523108
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH13 4'

E506025-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Benzene	ND	0.0250	1	06/05/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/06/25	
Toluene	ND	0.0250	1	06/05/25	06/06/25	
o-Xylene	ND	0.0250	1	06/05/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/06/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.4 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523119
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/06/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/05/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523108
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH14 0.5'

E506025-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Benzene	ND	0.0250	1	06/05/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/06/25	
Toluene	ND	0.0250	1	06/05/25	06/06/25	
o-Xylene	ND	0.0250	1	06/05/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/06/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.0 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523119
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/06/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/05/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523108
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH14 1'

E506025-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Benzene	ND	0.0250	1	06/05/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/06/25	
Toluene	ND	0.0250	1	06/05/25	06/06/25	
o-Xylene	ND	0.0250	1	06/05/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/06/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523119
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/06/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/05/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523108
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH14 2'

E506025-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Benzene	ND	0.0250	1	06/05/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/06/25	
Toluene	ND	0.0250	1	06/05/25	06/06/25	
o-Xylene	ND	0.0250	1	06/05/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/06/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.2 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523119
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/06/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/05/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523108
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH14 3'

E506025-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Benzene	ND	0.0250	1	06/05/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/06/25	
Toluene	ND	0.0250	1	06/05/25	06/06/25	
o-Xylene	ND	0.0250	1	06/05/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/06/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.1 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523119
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/06/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/05/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523108
Chloride	ND	20.0	1	06/05/25	06/05/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

BH14 4'

E506025-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Benzene	ND	0.0250	1	06/05/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/05/25	06/06/25	
Toluene	ND	0.0250	1	06/05/25	06/06/25	
o-Xylene	ND	0.0250	1	06/05/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/05/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/05/25	06/06/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.5 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523105
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/25	06/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*06/05/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523119
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/25	06/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/25	06/06/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/05/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523108
Chloride	ND	20.0	1	06/05/25	06/05/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523103-BLK1)									Prepared: 06/05/25 Analyzed: 06/05/25
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	*8.09*		*8.00*		*101*	*70-130*			
LCS (2523103-BS1)									Prepared: 06/05/25 Analyzed: 06/05/25
Benzene	4.92	0.0250	5.00		98.5	70-130			
Ethylbenzene	4.98	0.0250	5.00		99.7	70-130			
Toluene	4.91	0.0250	5.00		98.1	70-130			
o-Xylene	5.01	0.0250	5.00		100	70-130			
p,m-Xylene	9.74	0.0500	10.0		97.4	70-130			
Total Xylenes	14.7	0.0250	15.0		98.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.30*		*8.00*		*104*	*70-130*			
Matrix Spike (2523103-MS1)				**Source: E506025-06**					Prepared: 06/05/25 Analyzed: 06/05/25
Benzene	5.10	0.0250	5.00	ND	102	70-130			
Ethylbenzene	5.16	0.0250	5.00	ND	103	70-130			
Toluene	5.16	0.0250	5.00	ND	103	70-130			
o-Xylene	5.13	0.0250	5.00	ND	103	70-130			
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130			
Total Xylenes	15.3	0.0250	15.0	ND	102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.33*		*8.00*		*104*	*70-130*			
Matrix Spike Dup (2523103-MSD1)				**Source: E506025-06**					Prepared: 06/05/25 Analyzed: 06/05/25
Benzene	5.14	0.0250	5.00	ND	103	70-130	0.623	27	
Ethylbenzene	5.05	0.0250	5.00	ND	101	70-130	2.07	26	
Toluene	5.12	0.0250	5.00	ND	102	70-130	0.886	20	
o-Xylene	5.00	0.0250	5.00	ND	100	70-130	2.55	25	
p,m-Xylene	9.82	0.0500	10.0	ND	98.2	70-130	3.46	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.8	70-130	3.15	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.54*		*8.00*		*107*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

Volatile Organics by EPA 8021B

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 (2523105-BLK1)									Prepared: 06/05/25 Analyzed: 06/05/25
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 (2523105-BS1)									Prepared: 06/05/25 Analyzed: 06/05/25
Benzene	5.13	0.0250	5.00		103	70-130			
Ethylbenzene	5.02	0.0250	5.00		100	70-130			
Toluene	5.09	0.0250	5.00		102	70-130			
o-Xylene	4.98	0.0250	5.00		99.6	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.25*		*8.00*		*90.6*	*70-130*			
Matrix Spike (2523105-MS1)				**Source: E506025-21**					Prepared: 06/05/25 Analyzed: 06/06/25
Benzene	4.52	0.0250	5.00	ND	90.4	70-130			
Ethylbenzene	4.43	0.0250	5.00	ND	88.6	70-130			
Toluene	4.49	0.0250	5.00	ND	89.8	70-130			
o-Xylene	4.40	0.0250	5.00	ND	88.0	70-130			
p,m-Xylene	8.98	0.0500	10.0	ND	89.8	70-130			
Total Xylenes	13.4	0.0250	15.0	ND	89.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.15*		*8.00*		*89.4*	*70-130*			
Matrix Spike Dup (2523105-MSD1)				**Source: E506025-21**					Prepared: 06/05/25 Analyzed: 06/06/25
Benzene	4.94	0.0250	5.00	ND	98.8	70-130	8.88	27	
Ethylbenzene	4.85	0.0250	5.00	ND	97.1	70-130	9.11	26	
Toluene	4.91	0.0250	5.00	ND	98.2	70-130	8.91	20	
o-Xylene	4.78	0.0250	5.00	ND	95.6	70-130	8.36	25	
p,m-Xylene	9.81	0.0500	10.0	ND	98.1	70-130	8.85	23	
Total Xylenes	14.6	0.0250	15.0	ND	97.3	70-130	8.69	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.10*		*8.00*		*88.7*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523103-BLK1)									Prepared: 06/05/25 Analyzed: 06/05/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.63*		*8.00*		*82.9*	*70-130*			
LCS (2523103-BS2)									Prepared: 06/05/25 Analyzed: 06/05/25
Gasoline Range Organics (C6-C10)	49.0	20.0	50.0		98.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.88*		*8.00*		*86.0*	*70-130*			
Matrix Spike (2523103-MS2)				**Source: E506025-06**					Prepared: 06/05/25 Analyzed: 06/05/25
Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.84*		*8.00*		*85.5*	*70-130*			
Matrix Spike Dup (2523103-MSD2)				**Source: E506025-06**					Prepared: 06/05/25 Analyzed: 06/05/25
Gasoline Range Organics (C6-C10)	46.7	20.0	50.0	ND	93.4	70-130	9.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.59*		*8.00*		*82.3*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

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 (2523105-BLK1)									Prepared: 06/05/25 Analyzed: 06/05/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.7*	*70-130*			
LCS (2523105-BS2)									Prepared: 06/05/25 Analyzed: 06/05/25
Gasoline Range Organics (C6-C10)	39.6	20.0	50.0		79.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.87*		*8.00*		*98.4*	*70-130*			
Matrix Spike (2523105-MS2)				**Source: E506025-21**					Prepared: 06/05/25 Analyzed: 06/06/25
Gasoline Range Organics (C6-C10)	43.9	20.0	50.0	ND	87.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.98*		*8.00*		*99.8*	*70-130*			
Matrix Spike Dup (2523105-MSD2)				**Source: E506025-21**					Prepared: 06/05/25 Analyzed: 06/06/25
Gasoline Range Organics (C6-C10)	40.9	20.0	50.0	ND	81.8	70-130	7.16	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.82*		*8.00*		*97.8*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523113-BLK1)									Prepared: 06/05/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.9*		*50.0*		*104*	*61-141*			
LCS (2523113-BS1)									Prepared: 06/05/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	284	25.0	250		113	66-144			
Surrogate: n-Nonane	*51.0*		*50.0*		*102*	*61-141*			
Matrix Spike (2523113-MS1)				**Source: E506025-01**					Prepared: 06/05/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*61-141*			
Matrix Spike Dup (2523113-MSD1)				**Source: E506025-01**					Prepared: 06/05/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	56-156	2.97	20	
Surrogate: n-Nonane	*50.7*		*50.0*		*101*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523119-BLK1)									Prepared: 06/05/25 Analyzed: 06/06/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.8*		*50.0*		*102*	*61-141*			
LCS (2523119-BS1)									Prepared: 06/05/25 Analyzed: 06/06/25
Diesel Range Organics (C10-C28)	278	25.0	250		111	66-144			
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*61-141*			
Matrix Spike (2523119-MS1)				**Source: E506026-21**					Prepared: 06/05/25 Analyzed: 06/06/25
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	56-156			
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*61-141*			
Matrix Spike Dup (2523119-MSD1)				**Source: E506026-21**					Prepared: 06/05/25 Analyzed: 06/06/25
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	56-156	0.755	20	
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523108-BLK1)									Prepared: 06/05/25 Analyzed: 06/05/25
Chloride	ND	20.0							
LCS (2523108-BS1)									Prepared: 06/05/25 Analyzed: 06/05/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2523108-MS1)				**Source: E506021-01**					Prepared: 06/05/25 Analyzed: 06/05/25
Chloride	436	20.0	250	106	132	80-120			M2
Matrix Spike Dup (2523108-MSD1)				**Source: E506021-01**					Prepared: 06/05/25 Analyzed: 06/05/25
Chloride	367	20.0	250	106	104	80-120	17.3	20	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/11/2025 8:55:19AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523114-BLK1)									Prepared: 06/05/25 Analyzed: 06/05/25
Chloride	ND	20.0							
LCS (2523114-BS1)									Prepared: 06/05/25 Analyzed: 06/05/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2523114-MS1)				**Source: E506025-03**					Prepared: 06/05/25 Analyzed: 06/05/25
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2523114-MSD1)				**Source: E506025-03**					Prepared: 06/05/25 Analyzed: 06/05/25
Chloride	261	20.0	250	ND	104	80-120	0.238	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	06/11/25 08:55

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.

Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State					
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E506025	Job Number 01058-0007	1D	2D	3D	Std	NM	CO	UT	TX		
Project: Black Mamba 15 STATE COM #009	Address: 5315 Buena Vista Dr.						x						
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220												
Address: 13000 W County Rd 100	Phone: 575-885-7502												
City, State, Zip_Odessa,TX, 79765	Email: jim.raley@dvn.com												
Phone: 432-305-6415	Miscellaneous: WO: 21206815; PN: 19286; IN: oEJ1535733981												
Email: NMTXGeoGroup@etechenv.com													

Sample Information							Analysis and Method										EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride-300.0	TPH by 418.1	PCNA & Naphtha		X			SDWA	CWA	RCRA
																		Compliance	Y	or N
																		PWSID #		
13:20	6/3/2025	S	1	BH09	0.5	1									X			1.3		
13:25	6/3/2025	S	1	BH09	1	2									X			2.7		
13:30	6/3/2025	S	1	BH09	2	3									X			1.1		
13:35	6/3/2025	S	1	BH09	3	4									X			1.7		
13:40	6/3/2025	S	1	BH09	4	5									X			2.2		
13:55	6/3/2025	S	1	BH10	0.5	6									X			4.1		
14:00	6/3/2025	S	1	BH10	1	7									X			2.3		
14:05	6/3/2025	S	1	BH10	2	8									X			2.0		
14:10	6/3/2025	S	1	BH10	3	9									X			2.8		
14:15	6/3/2025	S	1	BH10	4	10									X			5.1		

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: HH Holland Blume

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
HH Holland Blume	06/04/2025		Michelle Gonzales	6.4.25	1200
Michelle Gonzales	6.4.25	1700	Richard Gonzales	6-4-25	1700
Richard Gonzales	6-4-25	2310	Caitlin Mars	6.5.25	700
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: (Y) N

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

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

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

Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO#: E506025	Job Number: 01058-0007	1D 2D 3D Std: *	NM CO UT TX:
Project: Black Mamba 15 STATE COM #009	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206815; PN: 19286; IN: nKJ1535733981			
Email: NMTxGasGroup@etechenv.com				

Analysis and Method | **EPA Program**: SDWA | CWA | RCRA; Compliance: Y or N; PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/GRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TPH by 418.1	RCRA 8 Metals		X		Sample Temp	Remarks
14:20	6/3/2025	S	1	BH11	0.5	11									X		1.4	
14:30	6/3/2025	S	1	BH11	1	12									X		2.1	
14:35	6/3/2025	S	1	BH11	2	13									X		1.8	
14:40	6/3/2025	S	1	BH11	3	14									X		2.6	
14:45	6/3/2025	S	1	BH11	4	15									X		2.1	
15:00	6/3/2025	S	1	BH12	0.5	16									X		1.7	
15:05	6/3/2025	S	1	BH12	1	17									X		2.1	
15:10	6/3/2025	S	1	BH12	2	18									X		2.0	
15:15	6/3/2025	S	1	BH12	3	19									X		3.5	
15:20	6/3/2025	S	1	BH12	4	20									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 misleading the sample location, plan or time of collection is considered fraud and may be grounds for legal action.

Sampled by: [illegible] 43 Hole at Bilbrey

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[illegible]	6/4/2025		Michelle Gonzales	6-4-25	1200
Michelle Gonzales	6-4-25	1700	Richard Gonzales	6-4-25	1700
Richard Gonzales	6-4-25	2100	Caitlin Mars	6-5-25	700
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: Y / N

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

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

Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E506025	Job Number 01058-0007	1D 2D 3D Std: 4	NM CO UT TX
Project: Black Mamba 15 STATE COM #009	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206815; PN: 19286; IN: nKJ1535733981			
Email: NMTXGeoGroup@etechenv.com				

Sample Information

Time Sampled	Date Sampled	Matrix	# of Containers	Sample ID	Depth	Lab Number	Analysis and Method: 8015D/GRO by 8015	8015D/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TPH (8015)	RCRA 8 Metals		BTEX - MS	BTEX - TF	EPA Program: Sample Temp	Remarks
15:25	6/3/2025	S	1	BH13	0.5	21									X		1.5	
15:30	6/3/2025	S	1	BH13	1	22									X		3.0	
15:35	6/3/2025	S	1	BH13	2	23									X		2.4	
15:40	6/3/2025	S	1	BH13	3	24									X		1.8	
15:45	6/3/2025	S	1	BH13	4	25									X		1.8	
15:48	6/3/2025	S	1	BH14	0.5	26									X		3.7	
15:51	6/3/2025	S	1	BH14	1	27									X		2.0	
15:54	6/3/2025	S	1	BH14	2	28									X		1.5	
15:57	6/3/2025	S	1	BH14	3	29									X		2.7	
16:00	6/3/2025	S	1	BH14	4	30									X		3.3	

EPA Program: SDWA | CWA | RCRA; Compliance Y or N; PWSID #

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: Taylor Kistler 6/3/2025 8:00:00 PM

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	06/04/2025		Michelle Gonzales	6-4-25	1200
Michelle Gonzales	6-4-25	1700	[signature]	6-4-25	1700
Richard Gonzales	6-4-25	2330	Caitlyn Hess	6.5.25	700
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: Y / N

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

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

Envirotech Analytical Laboratory

Printed: 6/5/2025 9:54:57AM

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:	Devon Energy - Carlsbad	Date Received:	06/05/25 07:00	Work Order ID:	E506025
Phone:	(575) 748-0176	Date Logged In:	06/04/25 14:34	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	06/11/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

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

Project Black Mamba 15 STATE COM #009 has been seperated into 2 reports due to sample volume. WOs are E506024 & E506025.

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 STATE COM #009
Work Order:	E506033
Job Number:	01058-0007
Received:	6/6/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/12/25

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

Date Reported: 6/12/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Black Mamba 15 STATE COM #009
Workorder: E506033
Date Received: 6/6/2025 6:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/6/2025 6:45:00AM, under the Project Name: Black Mamba 15 STATE COM #009.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 STATE COM #009 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	06/12/25 08:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH15 0.5'	E506033-01A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH15 1'	E506033-02A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH15 2'	E506033-03A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH15 3'	E506033-04A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH15 4'	E506033-05A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH16 0.5'	E506033-06A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH16 1'	E506033-07A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH16 2'	E506033-08A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH16 3'	E506033-09A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH16 4'	E506033-10A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH17 0.5'	E506033-11A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH17 1'	E506033-12A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH17 2'	E506033-13A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH17 3'	E506033-14A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH17 4'	E506033-15A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH18 0.5'	E506033-16A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH18 1'	E506033-17A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH18 2'	E506033-18A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH18 3'	E506033-19A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH18 4'	E506033-20A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH15 0.5'

E506033-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH15 1'

E506033-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH15 2'

E506033-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.2 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*113 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH15 3'

E506033-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH15 4'

E506033-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH16 0.5'

E506033-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH16 1'

E506033-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH16 2'

E506033-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH16 3'

E506033-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH16 4'

E506033-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*104 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH17 0.5'

E506033-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*110 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH17 1'

E506033-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/09/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/09/25	
Toluene	ND	0.0250	1	06/06/25	06/09/25	
o-Xylene	ND	0.0250	1	06/06/25	06/09/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/09/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/09/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*06/06/25*	*06/09/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*06/06/25*	*06/09/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH17 2'

E506033-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*110 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH17 3'

E506033-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*104 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH17 4'

E506033-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH18 0.5'

E506033-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH18 1'

E506033-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*111 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/06/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH18 2'

E506033-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*104 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH18 3'

E506033-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

BH18 4'

E506033-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Benzene	ND	0.0250	1	06/06/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/08/25	
Toluene	ND	0.0250	1	06/06/25	06/08/25	
o-Xylene	ND	0.0250	1	06/06/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/08/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*06/06/25*	*06/08/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523142
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*113 %*	*70-130*	*06/06/25*	*06/08/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2523136
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/08/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/06/25*	*06/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523150
Chloride	ND	20.0	1	06/06/25	06/07/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

Volatile Organics by EPA 8021B

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 (2523142-BLK1)									Prepared: 06/06/25 Analyzed: 06/07/25
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	*8.06*		*8.00*		*101*	*70-130*			
LCS (2523142-BS1)									Prepared: 06/06/25 Analyzed: 06/07/25
Benzene	4.29	0.0250	5.00		85.8	70-130			
Ethylbenzene	4.26	0.0250	5.00		85.3	70-130			
Toluene	4.28	0.0250	5.00		85.6	70-130			
o-Xylene	4.30	0.0250	5.00		85.9	70-130			
p,m-Xylene	8.68	0.0500	10.0		86.8	70-130			
Total Xylenes	13.0	0.0250	15.0		86.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.86*		*8.00*		*98.3*	*70-130*			
Matrix Spike (2523142-MS1)				**Source: E506033-03**					Prepared: 06/06/25 Analyzed: 06/08/25
Benzene	5.17	0.0250	5.00	ND	103	70-130			
Ethylbenzene	5.14	0.0250	5.00	ND	103	70-130			
Toluene	5.16	0.0250	5.00	ND	103	70-130			
o-Xylene	5.11	0.0250	5.00	ND	102	70-130			
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130			
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.02*		*8.00*		*100*	*70-130*			
Matrix Spike Dup (2523142-MSD1)				**Source: E506033-03**					Prepared: 06/06/25 Analyzed: 06/07/25
Benzene	5.46	0.0250	5.00	ND	109	70-130	5.36	27	
Ethylbenzene	5.43	0.0250	5.00	ND	109	70-130	5.51	26	
Toluene	5.44	0.0250	5.00	ND	109	70-130	5.28	20	
o-Xylene	5.40	0.0250	5.00	ND	108	70-130	5.54	25	
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130	5.36	23	
Total Xylenes	16.4	0.0250	15.0	ND	109	70-130	5.42	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.66*		*8.00*		*95.7*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

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 (2523142-BLK1)									Prepared: 06/06/25 Analyzed: 06/07/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.73*		*8.00*		*109*	*70-130*			
LCS (2523142-BS2)									Prepared: 06/06/25 Analyzed: 06/07/25
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.86*		*8.00*		*111*	*70-130*			
Matrix Spike (2523142-MS2)				**Source: E506033-03**					Prepared: 06/06/25 Analyzed: 06/07/25
Gasoline Range Organics (C6-C10)	56.4	20.0	50.0	ND	113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.83*		*8.00*		*110*	*70-130*			
Matrix Spike Dup (2523142-MSD2)				**Source: E506033-03**					Prepared: 06/06/25 Analyzed: 06/07/25
Gasoline Range Organics (C6-C10)	57.6	20.0	50.0	ND	115	70-130	2.08	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.92*		*8.00*		*111*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523136-BLK1)									Prepared: 06/06/25 Analyzed: 06/07/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*61-141*			
LCS (2523136-BS1)									Prepared: 06/06/25 Analyzed: 06/07/25
Diesel Range Organics (C10-C28)	297	25.0	250		119	66-144			
Surrogate: n-Nonane	*54.3*		*50.0*		*109*	*61-141*			
Matrix Spike (2523136-MS1)				**Source: E506033-10**					Prepared: 06/06/25 Analyzed: 06/07/25
Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	56-156			
Surrogate: n-Nonane	*55.8*		*50.0*		*112*	*61-141*			
Matrix Spike Dup (2523136-MSD1)				**Source: E506033-10**					Prepared: 06/06/25 Analyzed: 06/08/25
Diesel Range Organics (C10-C28)	301	25.0	250	ND	121	56-156	2.24	20	
Surrogate: n-Nonane	*55.4*		*50.0*		*111*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 8:58:05AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523150-BLK1)									Prepared: 06/06/25 Analyzed: 06/06/25
Chloride	ND	20.0							
LCS (2523150-BS1)									Prepared: 06/06/25 Analyzed: 06/06/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2523150-MS1)				**Source: E506033-06**					Prepared: 06/06/25 Analyzed: 06/06/25
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2523150-MSD1)				**Source: E506033-06**					Prepared: 06/06/25 Analyzed: 06/06/25
Chloride	262	20.0	250	ND	105	80-120	0.390	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	06/12/25 08:58

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: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E506033	Job Number 01058-0007	1D 2D 3D Std: x	NM: x CO UT TX
Project: Black Mamba 15 STATE COM #009	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip_Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206815; PN: 19286; IN: nKJ1535733981			
Email: NMTXGeoGroup@etechenv.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TEQ 8100 - PA	RCRA 8 Metals		8021DC - NM	8021DC - TX		Sample Temp	Remarks
12:30	6/4/2025	S	1	BH15	0.5	1									X			3.6	
12:33	6/4/2025	S	1	BH15	1	2									X			5.4	
12:36	6/4/2025	S	1	BH15	2	3									X			3.5	
12:39	6/4/2025	S	1	BH15	3	4									X			4.5	
12:42	6/4/2025	S	1	BH15	4	5									X			4.7	
12:50	6/4/2025	S	1	BH16	0.5	6									X			3.4	
12:53	6/4/2025	S	1	BH16	1	7									X			3.6	
12:56	6/4/2025	S	1	BH16	2	8									X			3.7	
12:59	6/4/2025	S	1	BH16	3	9									X			4.1	
13:02	6/4/2025	S	1	BH16	4	10									X			4.3	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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: Haleigh Blume

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Haleigh Blume	06/05/2025		Michelle Gonzales	6.5.25	1100
Michelle Gonzales	6.5.25	1615		6.5.25	1615
	6.5.25	2330		6-6-25	0645

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: Y / N

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

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

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Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E506033	Job Number 01058-0007	1D 2D 3D Std: X	NM: X CO UT TX
Project: Black Mamba 15 STATE COM #009	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206815; PN: 19286; IN: nKJ1535733981			
Email: NMTXGeoGroup@etechenv.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TPH by 8015 - NM	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	Sample Temp	Remarks
13:10	6/4/2025	S	1	BH17	0.5	11								X		4.1	
13:13	6/4/2025	S	1	BH17	1	12								X		3.3	
13:16	6/4/2025	S	1	BH17	2	13								X		4.5	
13:19	6/4/2025	S	1	BH17	3	14								X		4.1	
13:22	6/4/2025	S	1	BH17	4	15								X		3.9	
13:30	6/4/2025	S	1	BH18	0.5	16								X		3.1	
13:33	6/4/2025	S	1	BH18	1	17								X		4.7	
13:36	6/4/2025	S	1	BH18	2	18								X		3.8	
13:39	6/4/2025	S	1	BH18	3	19								X		4.4	
13:42	6/4/2025	S	1	BH18	4	20								X		4.3	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance: Y or N

PWSID #:

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: Haleigh Blume

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Haleigh Blume	06/05/2025		Michelle Gonzales	6.5.25	1100
Michelle Gonzales	6.5.25	1615		6.5.25	1615
	6.5.25	2330	Nor Soto	6-6-25	0645
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: (Y) N

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

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

Envirotech Analytical Laboratory

Printed: 6/6/2025 8:51:07AM

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:	Devon Energy - Carlsbad	Date Received:	06/06/25 06:45	Work Order ID:	E506033
Phone:	(575) 748-0176	Date Logged In:	06/05/25 14:57	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	06/12/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Project Black Mamba 15 STATE COM #009 has been separated into 2 reports due to sample volume. WOS are E506033 & E506034.

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 STATE COM #009
Work Order:	E506034
Job Number:	01058-0007
Received:	6/6/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/12/25

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

Date Reported: 6/12/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Black Mamba 15 STATE COM #009
Workorder: E506034
Date Received: 6/6/2025 6:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/6/2025 6:45:00AM, under the Project Name: Black Mamba 15 STATE COM #009.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 STATE COM #009 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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BH20 3’ 14

BH20 4’ 15

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	06/12/25 09:04

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH19 0.5'	E506034-01A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH19 1'	E506034-02A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH19 2'	E506034-03A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH19 3'	E506034-04A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH19 4'	E506034-05A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH20 0.5'	E506034-06A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH20 1'	E506034-07A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH20 2'	E506034-08A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH20 3'	E506034-09A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH20 4'	E506034-10A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH21 0.5'	E506034-11A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH21 1'	E506034-12A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH21 2'	E506034-13A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH21 3'	E506034-14A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH21 4'	E506034-15A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH22 0.5'	E506034-16A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH22 1'	E506034-17A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH22 2'	E506034-18A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH22 3'	E506034-19A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH22 4'	E506034-20A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH19 0.5'

E506034-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/10/25	
Toluene	ND	0.0250	1	06/06/25	06/10/25	
o-Xylene	ND	0.0250	1	06/06/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/06/25*	*06/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*06/06/25*	*06/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/06/25	
Surrogate: n-Nonane		*96.2 %*	*61-141*	*06/06/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH19 1'

E506034-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/10/25	
Toluene	ND	0.0250	1	06/06/25	06/10/25	
o-Xylene	ND	0.0250	1	06/06/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*06/06/25*	*06/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*06/06/25*	*06/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/06/25	
Surrogate: n-Nonane		*89.6 %*	*61-141*	*06/06/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH19 2'

E506034-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/10/25	
Toluene	ND	0.0250	1	06/06/25	06/10/25	
o-Xylene	ND	0.0250	1	06/06/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*06/06/25*	*06/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*06/06/25*	*06/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/06/25	
Surrogate: n-Nonane		*95.8 %*	*61-141*	*06/06/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH19 3'

E506034-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/10/25	
Toluene	ND	0.0250	1	06/06/25	06/10/25	
o-Xylene	ND	0.0250	1	06/06/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*06/06/25*	*06/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*06/06/25*	*06/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/06/25	
Surrogate: n-Nonane		*94.9 %*	*61-141*	*06/06/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH19 4'

E506034-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/10/25	
Toluene	ND	0.0250	1	06/06/25	06/10/25	
o-Xylene	ND	0.0250	1	06/06/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*06/06/25*	*06/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*06/06/25*	*06/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/06/25	
Surrogate: n-Nonane		*95.2 %*	*61-141*	*06/06/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH20 0.5'

E506034-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/10/25	
Toluene	ND	0.0250	1	06/06/25	06/10/25	
o-Xylene	ND	0.0250	1	06/06/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*06/06/25*	*06/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*06/06/25*	*06/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*06/06/25*	*06/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH20 1'

E506034-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/10/25	
Toluene	ND	0.0250	1	06/06/25	06/10/25	
o-Xylene	ND	0.0250	1	06/06/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*06/06/25*	*06/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*06/06/25*	*06/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
Surrogate: n-Nonane		*96.9 %*	*61-141*	*06/06/25*	*06/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH20 2'

E506034-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/11/25	
Toluene	ND	0.0250	1	06/06/25	06/11/25	
o-Xylene	ND	0.0250	1	06/06/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*06/06/25*	*06/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*	*70-130*	*06/06/25*	*06/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
Surrogate: n-Nonane		*96.8 %*	*61-141*	*06/06/25*	*06/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH20 3'

E506034-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/11/25	
Toluene	ND	0.0250	1	06/06/25	06/11/25	
o-Xylene	ND	0.0250	1	06/06/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*06/06/25*	*06/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.1 %*	*70-130*	*06/06/25*	*06/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
Surrogate: n-Nonane		*97.7 %*	*61-141*	*06/06/25*	*06/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH20 4'

E506034-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/11/25	
Toluene	ND	0.0250	1	06/06/25	06/11/25	
o-Xylene	ND	0.0250	1	06/06/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*06/06/25*	*06/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*06/06/25*	*06/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
Surrogate: n-Nonane		*99.0 %*	*61-141*	*06/06/25*	*06/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH21 0.5'

E506034-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/11/25	
Toluene	ND	0.0250	1	06/06/25	06/11/25	
o-Xylene	ND	0.0250	1	06/06/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/06/25*	*06/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.6 %*	*70-130*	*06/06/25*	*06/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
Surrogate: n-Nonane		*97.9 %*	*61-141*	*06/06/25*	*06/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH21 1'

E506034-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/11/25	
Toluene	ND	0.0250	1	06/06/25	06/11/25	
o-Xylene	ND	0.0250	1	06/06/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*06/06/25*	*06/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.5 %*	*70-130*	*06/06/25*	*06/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
Surrogate: n-Nonane		*94.1 %*	*61-141*	*06/06/25*	*06/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH21 2'

E506034-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/11/25	
Toluene	ND	0.0250	1	06/06/25	06/11/25	
o-Xylene	ND	0.0250	1	06/06/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/06/25*	*06/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.5 %*	*70-130*	*06/06/25*	*06/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
Surrogate: n-Nonane		*97.4 %*	*61-141*	*06/06/25*	*06/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH21 3'

E506034-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/11/25	
Toluene	ND	0.0250	1	06/06/25	06/11/25	
o-Xylene	ND	0.0250	1	06/06/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*06/06/25*	*06/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*06/06/25*	*06/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
Surrogate: n-Nonane		*97.3 %*	*61-141*	*06/06/25*	*06/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH21 4'

E506034-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.4 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
Surrogate: n-Nonane		*96.7 %*	*61-141*	*06/06/25*	*06/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH22 0.5'

E506034-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.6 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
Surrogate: n-Nonane		*96.4 %*	*61-141*	*06/06/25*	*06/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH22 1'

E506034-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.1 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
Surrogate: n-Nonane		*99.0 %*	*61-141*	*06/06/25*	*06/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH22 2'

E506034-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.0 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
Surrogate: n-Nonane		*97.4 %*	*61-141*	*06/06/25*	*06/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH22 3'

E506034-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.1 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
Surrogate: n-Nonane		*98.4 %*	*61-141*	*06/06/25*	*06/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

BH22 4'

E506034-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.3 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523143
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.0 %*	*70-130*	*06/06/25*	*06/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523137
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
Surrogate: n-Nonane		*94.3 %*	*61-141*	*06/06/25*	*06/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523151
Chloride	ND	20.0	1	06/06/25	06/07/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523143-BLK1)									Prepared: 06/06/25 Analyzed: 06/10/25
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	*8.53*		*8.00*		*107*	*70-130*			
LCS (2523143-BS1)									Prepared: 06/06/25 Analyzed: 06/10/25
Benzene	5.67	0.0250	5.00		113	70-130			
Ethylbenzene	5.51	0.0250	5.00		110	70-130			
Toluene	5.60	0.0250	5.00		112	70-130			
o-Xylene	5.42	0.0250	5.00		108	70-130			
p,m-Xylene	11.1	0.0500	10.0		111	70-130			
Total Xylenes	16.5	0.0250	15.0		110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.38*		*8.00*		*105*	*70-130*			
Matrix Spike (2523143-MS1)				**Source: E506034-04**					Prepared: 06/06/25 Analyzed: 06/10/25
Benzene	5.45	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	5.20	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130			
Total Xylenes	15.8	0.0250	15.0	ND	105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.28*		*8.00*		*104*	*70-130*			
Matrix Spike Dup (2523143-MSD1)				**Source: E506034-04**					Prepared: 06/06/25 Analyzed: 06/10/25
Benzene	5.91	0.0250	5.00	ND	118	70-130	8.08	27	
Ethylbenzene	5.75	0.0250	5.00	ND	115	70-130	8.34	26	
Toluene	5.84	0.0250	5.00	ND	117	70-130	8.19	20	
o-Xylene	5.66	0.0250	5.00	ND	113	70-130	8.55	25	
p,m-Xylene	11.5	0.0500	10.0	ND	115	70-130	8.38	23	
Total Xylenes	17.2	0.0250	15.0	ND	115	70-130	8.44	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.45*		*8.00*		*106*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523143-BLK1)									Prepared: 06/06/25 Analyzed: 06/10/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.7*	*70-130*			
LCS (2523143-BS2)									Prepared: 06/06/25 Analyzed: 06/10/25
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.87*		*8.00*		*98.4*	*70-130*			
Matrix Spike (2523143-MS2)				**Source: E506034-04**					Prepared: 06/06/25 Analyzed: 06/10/25
Gasoline Range Organics (C6-C10)	51.6	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.91*		*8.00*		*98.9*	*70-130*			
Matrix Spike Dup (2523143-MSD2)				**Source: E506034-04**					Prepared: 06/06/25 Analyzed: 06/10/25
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.6	70-130	6.57	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.89*		*8.00*		*98.7*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523137-BLK1)									Prepared: 06/06/25 Analyzed: 06/06/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.4*		*50.0*		*98.9*	*61-141*			
LCS (2523137-BS1)									Prepared: 06/06/25 Analyzed: 06/06/25
Diesel Range Organics (C10-C28)	243	25.0	250		97.3	66-144			
Surrogate: n-Nonane	*48.2*		*50.0*		*96.5*	*61-141*			
Matrix Spike (2523137-MS1)				**Source: E506034-11**					Prepared: 06/06/25 Analyzed: 06/06/25
Diesel Range Organics (C10-C28)	245	25.0	250	ND	97.9	56-156			
Surrogate: n-Nonane	*52.4*		*50.0*		*105*	*61-141*			
Matrix Spike Dup (2523137-MSD1)				**Source: E506034-11**					Prepared: 06/06/25 Analyzed: 06/06/25
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.7	56-156	0.746	20	
Surrogate: n-Nonane	*49.1*		*50.0*		*98.3*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/12/2025 9:04:53AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523151-BLK1)									Prepared: 06/06/25 Analyzed: 06/06/25
Chloride	ND	20.0							
LCS (2523151-BS1)									Prepared: 06/06/25 Analyzed: 06/07/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2523151-MS1)				**Source: E506034-04**					Prepared: 06/06/25 Analyzed: 06/07/25
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2523151-MSD1)				**Source: E506034-04**					Prepared: 06/06/25 Analyzed: 06/07/25
Chloride	255	20.0	250	ND	102	80-120	0.0959	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	06/12/25 09:04

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: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E506034	Job Number 01058-0007	1D 2D 3D Std: x	NM: x CO UT TX
Project: Black Mamba 15 STATE COM #009	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip_Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206815; PN: 19286; IN: nKJ1535733981			
Email: NMTXGeoGroup@etechenv.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
13:50	6/4/2025	S	1	BH19	0.5	1									X			4.8	
13:53	6/4/2025	S	1	BH19	1	2									X			3.4	
13:56	6/4/2025	S	1	BH19	2	3									X			3.7	
13:59	6/4/2025	S	1	BH19	3	4									X			4.8	
14:02	6/4/2025	S	1	BH19	4	5									X			3.2	
14:10	6/4/2025	S	1	BH20	0.5	6									X			2.6	
14:14	6/4/2025	S	1	BH20	1	7									X			2.5	
14:18	6/4/2025	S	1	BH20	2	8									X			2.4	
14:22	6/4/2025	S	1	BH20	3	9									X			3.1	
14:26	6/4/2025	S	1	BH20	4	10									X			2.9	

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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: Haleigh Blume

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Haleigh Blume	6/5/2025		Michelle Gonzales	6.5.25	1100
Michelle Gonzales	6.5.25	1615		6.5.25	2330
	6.5.25	2330	Noe Soto	6-6-25	0645
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: Y / N

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

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

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

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Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E506034	1D 2D 3D Std: x	NM x, CO, UT, TX
Project: Black Mamba 15 STATE COM #009	Address: 5315 Buena Vista Dr.	Job Number 01058-0007		
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206815; PN: 19286; IN: nKJ1535733981			
Email: NMTXGeoGroup@etechenv.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TPH by 8015 TX	RCRA 8 Metals	8000C - NM	8000C - TX	Sample Temp	Remarks
14:38	6/4/2025	S	1	BH21	0.5	11								X		2.8	
14:41	6/4/2025	S	1	BH21	1	12								X		3.2	
14:44	6/4/2025	S	1	BH21	2	13								X		3.3	
14:47	6/4/2025	S	1	BH21	3	14								X		4.3	
14:55	6/4/2025	S	1	BH21	4	15								X		3.6	
14:58	6/4/2025	S	1	BH22	0.5	16								X		3.3	
15:01	6/4/2025	S	1	BH22	1	17								X		2.5	
15:04	6/4/2025	S	1	BH22	2	18								X		3.8	
15:07	6/4/2025	S	1	BH22	3	19								X		3.2	
	6/4/2025	S	1	BH22	4	20								X		5.8	

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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: Haleigh Blume

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Haleigh Blume	06/05/2025		Michelle Gonzalez	6-5-25	1100
Michelle Gonzalez	6-5-25	1615		6.5.25	1615
	6.6.25	2330	Noe Soto	6-6-25	0645

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: (Y) N

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

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

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Envirotech Analytical Laboratory

Printed: 6/6/2025 8:57:31AM

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:	Devon Energy - Carlsbad	Date Received:	06/06/25 06:45	Work Order ID:	E506034
Phone:	(575) 748-0176	Date Logged In:	06/05/25 15:01	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	06/12/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Project Black Mamba 15 STATE COM #009 has been separated into 2 reports due to sample volume. WOS are E506033 & E506034. Sampled time missing for sample # 20.

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 STATE COM #009
Work Order:	E506203
Job Number:	01058-0007
Received:	6/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/30/25

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

Date Reported: 6/30/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Black Mamba 15 STATE COM #009
Workorder: E506203
Date Received: 6/23/2025 8:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/23/2025 8:00:00AM, under the Project Name: Black Mamba 15 STATE COM #009.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 STATE COM #009 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	06/30/25 10:22

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 0-0.25'	E506203-01A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS02 0-0.25'	E506203-02A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS03 0-0.25'	E506203-03A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS04 0-0.25'	E506203-04A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS05 0-0.25'	E506203-05A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS06 0-0.25'	E506203-06A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS07 0-0.25'	E506203-07A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS08 0-0.25'	E506203-08A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS09 0-0.25'	E506203-09A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS10 0-0.25'	E506203-10A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS11 0-0.25'	E506203-11A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS12 0-0.25'	E506203-12A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS13 0-0.25'	E506203-13A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS14 0-0.25'	E506203-14A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS15 0-0.25'	E506203-15A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS16 0-0.25'	E506203-16A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
FS17 0-0.25'	E506203-17A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

FS01 0-0.25'

E506203-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Benzene	ND	0.0250	1	06/23/25	06/26/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/26/25	
Toluene	ND	0.0250	1	06/23/25	06/26/25	
o-Xylene	ND	0.0250	1	06/23/25	06/26/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/26/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*93.7 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*93.7 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526159
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/27/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*06/25/25*	*06/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526061
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

FS02 0-0.25'

E506203-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Benzene	ND	0.0250	1	06/23/25	06/26/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/26/25	
Toluene	ND	0.0250	1	06/23/25	06/26/25	
o-Xylene	ND	0.0250	1	06/23/25	06/26/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/26/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*96.9 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*96.9 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526159
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/27/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*06/25/25*	*06/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526061
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

FS03 0-0.25'

E506203-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Benzene	ND	0.0250	1	06/23/25	06/26/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/26/25	
Toluene	ND	0.0250	1	06/23/25	06/26/25	
o-Xylene	ND	0.0250	1	06/23/25	06/26/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/26/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526159
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/27/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/25/25*	*06/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526061
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

FS04 0-0.25'

E506203-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Benzene	ND	0.0250	1	06/23/25	06/26/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/26/25	
Toluene	ND	0.0250	1	06/23/25	06/26/25	
o-Xylene	ND	0.0250	1	06/23/25	06/26/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/26/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*96.0 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*96.0 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526159
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/27/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/25/25*	*06/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526061
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

FS05 0-0.25'

E506203-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Benzene	ND	0.0250	1	06/23/25	06/26/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/26/25	
Toluene	ND	0.0250	1	06/23/25	06/26/25	
o-Xylene	ND	0.0250	1	06/23/25	06/26/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/26/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*96.0 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*96.0 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526159
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/27/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*06/25/25*	*06/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526061
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

FS06 0-0.25'

E506203-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Benzene	ND	0.0250	1	06/23/25	06/26/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/26/25	
Toluene	ND	0.0250	1	06/23/25	06/26/25	
o-Xylene	ND	0.0250	1	06/23/25	06/26/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/26/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*95.3 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*95.3 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526159
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/27/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/25/25*	*06/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526061
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

FS07 0-0.25'

E506203-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Benzene	ND	0.0250	1	06/23/25	06/26/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/26/25	
Toluene	ND	0.0250	1	06/23/25	06/26/25	
o-Xylene	ND	0.0250	1	06/23/25	06/26/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/26/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526159
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/28/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/25/25*	*06/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526061
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

FS08 0-0.25'

E506203-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Benzene	ND	0.0250	1	06/23/25	06/26/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/26/25	
Toluene	ND	0.0250	1	06/23/25	06/26/25	
o-Xylene	ND	0.0250	1	06/23/25	06/26/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/26/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526159
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/28/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*06/25/25*	*06/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526061
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

FS09 0-0.25'

E506203-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Benzene	ND	0.0250	1	06/23/25	06/26/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/26/25	
Toluene	ND	0.0250	1	06/23/25	06/26/25	
o-Xylene	ND	0.0250	1	06/23/25	06/26/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/26/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*94.0 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*94.0 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526159
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/28/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/25/25*	*06/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526061
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

FS10 0-0.25'

E506203-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Benzene	ND	0.0250	1	06/23/25	06/26/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/26/25	
Toluene	ND	0.0250	1	06/23/25	06/26/25	
o-Xylene	ND	0.0250	1	06/23/25	06/26/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/26/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*95.8 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*95.8 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526159
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/28/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*06/25/25*	*06/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526061
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

FS11 0-0.25'

E506203-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Benzene	ND	0.0250	1	06/23/25	06/26/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/26/25	
Toluene	ND	0.0250	1	06/23/25	06/26/25	
o-Xylene	ND	0.0250	1	06/23/25	06/26/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/26/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*99.7 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*99.7 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526159
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/28/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/25/25*	*06/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526061
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

FS12 0-0.25'

E506203-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Benzene	ND	0.0250	1	06/23/25	06/26/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/26/25	
Toluene	ND	0.0250	1	06/23/25	06/26/25	
o-Xylene	ND	0.0250	1	06/23/25	06/26/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/26/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*95.1 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*95.1 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526159
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/28/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*06/25/25*	*06/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526061
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

FS13 0-0.25'

E506203-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Benzene	ND	0.0250	1	06/23/25	06/26/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/26/25	
Toluene	ND	0.0250	1	06/23/25	06/26/25	
o-Xylene	ND	0.0250	1	06/23/25	06/26/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/26/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*96.0 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*96.0 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526159
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/28/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*06/25/25*	*06/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526061
Chloride	**170**	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

FS14 0-0.25'

E506203-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Benzene	ND	0.0250	1	06/23/25	06/26/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/26/25	
Toluene	ND	0.0250	1	06/23/25	06/26/25	
o-Xylene	ND	0.0250	1	06/23/25	06/26/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/26/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*94.8 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*94.8 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526159
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/28/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/25/25*	*06/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526061
Chloride	**23.0**	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

FS15 0-0.25'

E506203-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Benzene	ND	0.0250	1	06/23/25	06/26/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/26/25	
Toluene	ND	0.0250	1	06/23/25	06/26/25	
o-Xylene	ND	0.0250	1	06/23/25	06/26/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/26/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526159
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/28/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*06/25/25*	*06/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526061
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

FS16 0-0.25'

E506203-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Benzene	ND	0.0250	1	06/23/25	06/26/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/26/25	
Toluene	ND	0.0250	1	06/23/25	06/26/25	
o-Xylene	ND	0.0250	1	06/23/25	06/26/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/26/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*97.8 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*97.8 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526159
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/28/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*06/25/25*	*06/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526061
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

FS17 0-0.25'

E506203-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Benzene	ND	0.0250	1	06/23/25	06/26/25	
Ethylbenzene	ND	0.0250	1	06/23/25	06/26/25	
Toluene	ND	0.0250	1	06/23/25	06/26/25	
o-Xylene	ND	0.0250	1	06/23/25	06/26/25	
p,m-Xylene	ND	0.0500	1	06/23/25	06/26/25	
Total Xylenes	ND	0.0250	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*95.1 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/25	06/26/25	
Surrogate: Bromofluorobenzene		*95.1 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*06/23/25*	*06/26/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/23/25*	*06/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526159
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/25	06/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/25	06/28/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*06/25/25*	*06/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526061
Chloride	ND	20.0	1	06/24/25	06/25/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2526035-BLK1)									Prepared: 06/23/25 Analyzed: 06/26/25
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	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.2*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			
LCS (2526035-BS1)									Prepared: 06/23/25 Analyzed: 06/26/25
Benzene	2.54	0.0250	2.50		101	70-130			
Ethylbenzene	2.44	0.0250	2.50		97.7	70-130			
Toluene	2.42	0.0250	2.50		96.9	70-130			
o-Xylene	2.31	0.0250	2.50		92.5	70-130			
p,m-Xylene	4.71	0.0500	5.00		94.3	70-130			
Total Xylenes	7.03	0.0250	7.50		93.7	70-130			
Surrogate: Bromofluorobenzene	*0.499*		*0.500*		*99.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.495*		*0.500*		*98.9*	*70-130*			
Surrogate: Toluene-d8	*0.498*		*0.500*		*99.5*	*70-130*			
Matrix Spike (2526035-MS1)				**Source: E506203-02**					Prepared: 06/23/25 Analyzed: 06/26/25
Benzene	2.56	0.0250	2.50	ND	102	48-131			
Ethylbenzene	2.50	0.0250	2.50	ND	100	45-135			
Toluene	2.48	0.0250	2.50	ND	99.2	48-130			
o-Xylene	2.31	0.0250	2.50	ND	92.4	43-135			
p,m-Xylene	4.66	0.0500	5.00	ND	93.2	43-135			
Total Xylenes	6.97	0.0250	7.50	ND	92.9	43-135			
Surrogate: Bromofluorobenzene	*0.494*		*0.500*		*98.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.4*	*70-130*			
Surrogate: Toluene-d8	*0.497*		*0.500*		*99.3*	*70-130*			
Matrix Spike Dup (2526035-MSD1)				**Source: E506203-02**					Prepared: 06/23/25 Analyzed: 06/26/25
Benzene	2.59	0.0250	2.50	ND	104	48-131	1.32	23	
Ethylbenzene	2.55	0.0250	2.50	ND	102	45-135	1.72	27	
Toluene	2.50	0.0250	2.50	ND	100	48-130	0.883	24	
o-Xylene	2.33	0.0250	2.50	ND	93.2	43-135	0.927	27	
p,m-Xylene	4.75	0.0500	5.00	ND	94.9	43-135	1.87	27	
Total Xylenes	7.08	0.0250	7.50	ND	94.4	43-135	1.56	27	
Surrogate: Bromofluorobenzene	*0.492*		*0.500*		*98.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2526035-BLK1)									Prepared: 06/23/25 Analyzed: 06/26/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.2*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			
LCS (2526035-BS2)									Prepared: 06/23/25 Analyzed: 06/26/25
Gasoline Range Organics (C6-C10)	51.1	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.463*		*0.500*		*92.5*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			
Matrix Spike (2526035-MS2)				**Source: E506203-02**					Prepared: 06/23/25 Analyzed: 06/26/25
Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	*0.497*		*0.500*		*99.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*96.0*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			
Matrix Spike Dup (2526035-MSD2)				**Source: E506203-02**					Prepared: 06/23/25 Analyzed: 06/26/25
Gasoline Range Organics (C6-C10)	53.2	20.0	50.0	ND	106	70-130	2.55	20	
Surrogate: Bromofluorobenzene	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2526159-BLK1)									Prepared: 06/27/25 Analyzed: 06/27/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.1*		*50.0*		*112*	*61-141*			
LCS (2526159-BS1)									Prepared: 06/27/25 Analyzed: 06/27/25
Diesel Range Organics (C10-C28)	295	25.0	250		118	66-144			
Surrogate: n-Nonane	*53.6*		*50.0*		*107*	*61-141*			
Matrix Spike (2526159-MS1)				**Source: E506203-15RE1**					Prepared: 06/27/25 Analyzed: 06/27/25
Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	56-156			
Surrogate: n-Nonane	*53.4*		*50.0*		*107*	*61-141*			
Matrix Spike Dup (2526159-MSD1)				**Source: E506203-15RE1**					Prepared: 06/27/25 Analyzed: 06/27/25
Diesel Range Organics (C10-C28)	296	25.0	250	ND	118	56-156	0.532	20	
Surrogate: n-Nonane	*53.6*		*50.0*		*107*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/30/2025 10:22:06AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2526061-BLK1)									Prepared: 06/24/25 Analyzed: 06/24/25
Chloride	ND	20.0							
LCS (2526061-BS1)									Prepared: 06/24/25 Analyzed: 06/24/25
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2526061-MS1)				**Source: E506203-04**					Prepared: 06/24/25 Analyzed: 06/24/25
Chloride	249	20.0	250	ND	99.7	80-120			
Matrix Spike Dup (2526061-MSD1)				**Source: E506203-04**					Prepared: 06/24/25 Analyzed: 06/24/25
Chloride	250	20.0	250	ND	100	80-120	0.239	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	06/30/25 10:22

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

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

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

Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E501203	Job Number 01959-0007	1D 2D 3D Std: X	NM: X CO UT TX
Project: Black Mamba 15 STATE COM #009	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206815; PN: 19786; IN: ok/1535733981			
Email: NMTXGeoGroup@etechenv.com				

Sample Information

Time Sampled	Date Sampled	Matrix	# of Containers	Sample ID	Depth	Lab Number	Analysis and Method: 8015 GRO/DRO by 8015	8015 GRO/DRO by 8015	PCB's by 8082	VOC by 8260	Chloride 300.0	TDS by 160.1	RCRA 8 Metals	Anions (F, Cl, NO3, NO2, PO4, SO4)	Cations (Ca, Mg, Na, K)	TKN	Sample Temp.	Remarks
11:32	6/19/2025	S	1	FS01	0-0.25'	1								X			2.4	
11:36	6/19/2025	S	1	FS02	0-0.25'	2								X			2.0	
11:40	6/19/2025	S	1	FS03	0-0.25'	3								X			1.8	
11:44	6/19/2025	S	1	FS04	0-0.25'	4								X			1.6	
11:48	6/19/2025	S	1	FS05	0-0.25'	5								X			1.0	
11:52	6/19/2025	S	1	FS06	0-0.25'	6								X			2.3	
11:56	6/19/2025	S	1	FS07	0-0.25'	7								X			2.0	
12:00	6/19/2025	S	1	FS08	0-0.25'	8								X			0.8	
12:04	6/19/2025	S	1	FS09	0-0.25'	9								X			1.2	
12:08	6/19/2025	S	1	FS10	0-0.25'	10								X			1.0	

EPA Program: SDWA | CWA | RCRA
Compliance: Y or N
PWSID #:

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	06/20/2025			6.20.25	1015
	6.20.25	1645		6/20/25	1720
	6/21/25	1235am		6/23/25	800

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: (Y) N

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

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

Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E5016203	Job Number 01058057	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Black Mamba 15 STATE COM #009	Address: 5315 Buena Vista Dr.						x	x				
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220											
Address: 13000 W County Rd 100	Phone: 575-885-7502											
City, State, Zip Odessa,TX, 79765	Email: jim.raley@dvn.com											
Phone: 432-305-6415	Miscellaneous: WO: 21206815; PN: 19286, IN: nkj1535733981											
Email: NMTXGeoGroup@etechenv.com												

Sample Information

Time Sampled	Date Sampled	Matrix	# Containers	Sample ID	Depth	Lab Number	Analysis and Method										EPA Program			
																	SDWA	CWA	RCRA	
																	Compliance	Y	or	N
																	PWSID #			
12:12	6/19/2025	S	1	FS11	0-0.25'	11								X			1.6			
12:16	6/19/2025	S	1	FS12	0-0.25'	12								X			1.2			
12:20	6/19/2025	S	1	FS13	0-0.25'	13								X			1.0			
12:24	6/19/2025	S	1	FS14	0-0.25'	14								X			1.0			
12:28	6/19/2025	S	1	FS15	0-0.25'	15								X			1.4			
12:32	6/19/2025	S	1	FS16	0-0.25'	16								X			1.6			
12:36	6/19/2025	S	1	FS17	0-0.25'	17								X			1.2			

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

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

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/20/2025			6.20.2025	1015
Relinquished by: (Signature)	6.20.25	1645		6/20/25	1710
Relinquished by: (Signature)	6/21/25	1235am		6/21/25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: (Y) / N

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

Envirotech Analytical Laboratory

Printed: 6/23/2025 12:37:22PM

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:	Devon Energy - Carlsbad	Date Received:	06/23/25 08:00	Work Order ID:	E506203
Phone:	(575) 748-0176	Date Logged In:	06/23/25 10:29	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	06/27/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 STATE COM #009
Work Order:	E506202
Job Number:	01058-0007
Received:	6/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/27/25

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

Date Reported: 6/27/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Black Mamba 15 STATE COM #009
Workorder: E506202
Date Received: 6/23/2025 8:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/23/2025 8:00:00AM, under the Project Name: Black Mamba 15 STATE COM #009.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 STATE COM #009 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	06/27/25 16:08

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01 0-0.25'	E506202-01A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SW02 0-0.25'	E506202-02A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SW03 0-0.25'	E506202-03A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SW04 0-0.25'	E506202-04A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SW05 0-0.25'	E506202-05A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SW06 0-0.25'	E506202-06A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

SW01 0-0.25'

E506202-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Benzene	ND	0.0250	1	06/24/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/24/25	06/24/25	
Toluene	ND	0.0250	1	06/24/25	06/24/25	
o-Xylene	ND	0.0250	1	06/24/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/24/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526118
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/25	06/26/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/26/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526060
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

SW02 0-0.25'

E506202-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Benzene	ND	0.0250	1	06/24/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/24/25	06/24/25	
Toluene	ND	0.0250	1	06/24/25	06/24/25	
o-Xylene	ND	0.0250	1	06/24/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/24/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526118
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/25	06/26/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*06/26/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526060
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

SW03 0-0.25'

E506202-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Benzene	ND	0.0250	1	06/24/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/24/25	06/24/25	
Toluene	ND	0.0250	1	06/24/25	06/24/25	
o-Xylene	ND	0.0250	1	06/24/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/24/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526118
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/25	06/26/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/26/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526060
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

SW04 0-0.25'

E506202-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Benzene	ND	0.0250	1	06/24/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/24/25	06/24/25	
Toluene	ND	0.0250	1	06/24/25	06/24/25	
o-Xylene	ND	0.0250	1	06/24/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/24/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526118
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/25	06/26/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*06/26/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526060
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

SW05 0-0.25'

E506202-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Benzene	ND	0.0250	1	06/24/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/24/25	06/24/25	
Toluene	ND	0.0250	1	06/24/25	06/24/25	
o-Xylene	ND	0.0250	1	06/24/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/24/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526118
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/25	06/26/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/26/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526060
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

SW06 0-0.25'

E506202-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Benzene	ND	0.0250	1	06/24/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/24/25	06/24/25	
Toluene	ND	0.0250	1	06/24/25	06/24/25	
o-Xylene	ND	0.0250	1	06/24/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/24/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526118
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/25	06/26/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/26/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526060
Chloride	ND	20.0	1	06/24/25	06/24/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2526053-BLK1)									Prepared: 06/24/25 Analyzed: 06/24/25
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: Bromofluorobenzene	*0.542*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			
LCS (2526053-BS1)									Prepared: 06/24/25 Analyzed: 06/24/25
Benzene	2.42	0.0250	2.50		97.0	70-130			
Ethylbenzene	2.43	0.0250	2.50		97.2	70-130			
Toluene	2.29	0.0250	2.50		91.7	70-130			
o-Xylene	2.35	0.0250	2.50		93.8	70-130			
p,m-Xylene	4.68	0.0500	5.00		93.6	70-130			
Total Xylenes	7.03	0.0250	7.50		93.7	70-130			
Surrogate: Bromofluorobenzene	*0.553*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			
Matrix Spike (2526053-MS1)				**Source: E506202-05**					Prepared: 06/24/25 Analyzed: 06/24/25
Benzene	2.36	0.0250	2.50	ND	94.4	48-131			
Ethylbenzene	2.36	0.0250	2.50	ND	94.4	45-135			
Toluene	2.22	0.0250	2.50	ND	88.8	48-130			
o-Xylene	2.24	0.0250	2.50	ND	89.7	43-135			
p,m-Xylene	4.42	0.0500	5.00	ND	88.5	43-135			
Total Xylenes	6.67	0.0250	7.50	ND	88.9	43-135			
Surrogate: Bromofluorobenzene	*0.546*		*0.500*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.507*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2526053-MSD1)				**Source: E506202-05**					Prepared: 06/24/25 Analyzed: 06/24/25
Benzene	2.41	0.0250	2.50	ND	96.5	48-131	2.16	23	
Ethylbenzene	2.52	0.0250	2.50	ND	101	45-135	6.64	27	
Toluene	2.38	0.0250	2.50	ND	95.0	48-130	6.79	24	
o-Xylene	2.48	0.0250	2.50	ND	99.0	43-135	9.90	27	
p,m-Xylene	4.94	0.0500	5.00	ND	98.9	43-135	11.1	27	
Total Xylenes	7.42	0.0250	7.50	ND	98.9	43-135	10.7	27	
Surrogate: Bromofluorobenzene	*0.557*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.527*		*0.500*		*105*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2526053-BLK1)									Prepared: 06/24/25 Analyzed: 06/24/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.542*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			
LCS (2526053-BS2)									Prepared: 06/24/25 Analyzed: 06/24/25
Gasoline Range Organics (C6-C10)	58.9	20.0	50.0		118	70-130			
Surrogate: Bromofluorobenzene	*0.559*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			
Matrix Spike (2526053-MS2)				**Source: E506202-05**					Prepared: 06/24/25 Analyzed: 06/24/25
Gasoline Range Organics (C6-C10)	59.8	20.0	50.0	ND	120	70-130			
Surrogate: Bromofluorobenzene	*0.556*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2526053-MSD2)				**Source: E506202-05**					Prepared: 06/24/25 Analyzed: 06/24/25
Gasoline Range Organics (C6-C10)	57.4	20.0	50.0	ND	115	70-130	4.16	20	
Surrogate: Bromofluorobenzene	*0.557*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2526118-BLK1)									Prepared: 06/26/25 Analyzed: 06/26/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.2*		*50.0*		*104*	*61-141*			
LCS (2526118-BS1)									Prepared: 06/26/25 Analyzed: 06/26/25
Diesel Range Organics (C10-C28)	276	25.0	250		110	66-144			
Surrogate: n-Nonane	*50.2*		*50.0*		*100*	*61-141*			
Matrix Spike (2526118-MS1)				**Source: E506232-02**					Prepared: 06/26/25 Analyzed: 06/26/25
Diesel Range Organics (C10-C28)	1110	50.0	250	952	62.4	56-156			
Surrogate: n-Nonane	*49.7*		*50.0*		*99.5*	*61-141*			
Matrix Spike Dup (2526118-MSD1)				**Source: E506232-02**					Prepared: 06/26/25 Analyzed: 06/26/25
Diesel Range Organics (C10-C28)	1090	50.0	250	952	54.4	56-156	1.82	20	M4
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2526060-BLK1)									Prepared: 06/24/25 Analyzed: 06/24/25
Chloride	ND	20.0							
LCS (2526060-BS1)									Prepared: 06/24/25 Analyzed: 06/24/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2526060-MS1)				**Source: E506201-03**					Prepared: 06/24/25 Analyzed: 06/24/25
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2526060-MSD1)				**Source: E506201-03**					Prepared: 06/24/25 Analyzed: 06/24/25
Chloride	255	20.0	250	ND	102	80-120	0.103	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	06/27/25 16:08

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.

Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Black Mamba 15 STATE COM #009	Address: 5315 Buena Vista Dr.	E5010202	01058-0007				x	x				
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220											
Address: 13000 W County Rd 100	Phone: 575-885-7502											
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com											
Phone: 432-305-6415	Miscellaneous: WO: 21206815; PN: 19288; IN: nKJ1535733981											
Email: NMTXGeoGroup@etechenv.com												

Sample Information							Analysis and Method										EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	Dissolved by 8015	Dissolved by 300	BTEX by 8021	VOC by 8260	Chloride 300.0	TDS 160.1 - TX	BCA Phenols		8015 - Ext	8015 - TX	SDWA	CWA	RCRA
																	Compliance	Y	or N
																	PWSID #		
12:40	6/19/2025	S	1	SW01	0-0.25'	1									X		4.7		
12:44	6/19/2025	S	1	SW02	0-0.25'	2									X		5.1		
13:10	6/19/2025	S	1	SW03	0-0.25'	3									X		5.0		
13:14	6/19/2025	S	1	SW04	0-0.25'	4									X		4.9		
13:18	6/19/2025	S	1	SW05	0-0.25'	5									X		4.8		
13:22	6/19/2025	S	1	SW06	0-0.25'	6									X		5.1		

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Haleigh Blume	06/20/2025			6.20.25	7015
Relinquished by: (Signature)	Date 6/20/25	Time 1645	Received by: (Signature)	Date 6/20/25	Time 1710
Relinquished by: (Signature)	Date 6/21/25	Time 1235am	Received by: (Signature) Caitlin Mars	Date 6/23/25	Time 800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: (Y) / N

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

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

Envirotech Analytical Laboratory

Printed: 6/23/2025 12:35:16PM

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:	Devon Energy - Carlsbad	Date Received:	06/23/25 08:00	Work Order ID:	E506202
Phone:	(575) 748-0176	Date Logged In:	06/23/25 10:26	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	06/27/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 STATE COM #009
Work Order:	E509136
Job Number:	01058-0007
Received:	9/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/19/25

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: 9/19/25

Anna Byers
333 W Sheridan Avenue
Oklahoma City, OK 73102-5010

Project Name: Black Mamba 15 STATE COM #009
Workorder: E509136
Date Received: 9/12/2025 10:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/12/2025 10:30:00AM, under the Project Name: Black Mamba 15 STATE COM #009.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 STATE COM #009 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	09/19/25 11:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS18 0-0.5'	E509136-01A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS19 0-0.5'	E509136-02A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS20 0-0.5'	E509136-03A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS21 0-0.5'	E509136-04A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS22 0-0.5'	E509136-05A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS23 0-0.5'	E509136-06A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS24 0-0.5'	E509136-07A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:47:21AM

FS18 0-0.5'

E509136-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:47:21AM

FS19 0-0.5'

E509136-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*97.2 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:47:21AM

FS20 0-0.5'

E509136-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*98.0 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:47:21AM

FS21 0-0.5'

E509136-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*96.3 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:47:21AM

FS22 0-0.5'

E509136-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*94.4 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:47:21AM

FS23 0-0.5'

E509136-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.0 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*98.3 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:47:21AM

FS24 0-0.5'

E509136-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*95.4 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	ND	20.0	1	09/15/25	09/15/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:47:21AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538009-BLK1)									Prepared: 09/15/25 Analyzed: 09/16/25
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	*8.62*		*8.00*		*108*	*70-130*			
LCS (2538009-BS1)									Prepared: 09/15/25 Analyzed: 09/16/25
Benzene	3.59	0.0250	5.00		71.7	70-130			
Ethylbenzene	3.59	0.0250	5.00		71.8	70-130			
Toluene	3.58	0.0250	5.00		71.5	70-130			
o-Xylene	3.70	0.0250	5.00		74.0	70-130			
p,m-Xylene	7.32	0.0500	10.0		73.2	70-130			
Total Xylenes	11.0	0.0250	15.0		73.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.68*		*8.00*		*108*	*70-130*			
Matrix Spike (2538009-MS1)				**Source: E509135-04**					Prepared: 09/15/25 Analyzed: 09/16/25
Benzene	3.90	0.0250	5.00	ND	77.9	70-130			
Ethylbenzene	3.89	0.0250	5.00	ND	77.8	70-130			
Toluene	3.88	0.0250	5.00	ND	77.6	70-130			
o-Xylene	4.02	0.0250	5.00	ND	80.3	70-130			
p,m-Xylene	7.94	0.0500	10.0	ND	79.4	70-130			
Total Xylenes	12.0	0.0250	15.0	ND	79.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.68*		*8.00*		*108*	*70-130*			
Matrix Spike Dup (2538009-MSD1)				**Source: E509135-04**					Prepared: 09/15/25 Analyzed: 09/16/25
Benzene	4.24	0.0250	5.00	ND	84.7	70-130	8.39	27	
Ethylbenzene	4.24	0.0250	5.00	ND	84.8	70-130	8.58	26	
Toluene	4.22	0.0250	5.00	ND	84.4	70-130	8.32	20	
o-Xylene	4.36	0.0250	5.00	ND	87.2	70-130	8.17	25	
p,m-Xylene	8.63	0.0500	10.0	ND	86.3	70-130	8.31	23	
Total Xylenes	13.0	0.0250	15.0	ND	86.6	70-130	8.26	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.85*		*8.00*		*111*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:47:21AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538009-BLK1)									Prepared: 09/15/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.7*	*70-130*			
LCS (2538009-BS2)									Prepared: 09/15/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0		94.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.57*		*8.00*		*94.7*	*70-130*			
Matrix Spike (2538009-MS2)				**Source: E509135-04**					Prepared: 09/15/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	51.1	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.4*	*70-130*			
Matrix Spike Dup (2538009-MSD2)				**Source: E509135-04**					Prepared: 09/15/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	56.7	20.0	50.0	ND	113	70-130	10.5	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.8*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:47:21AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538002-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*61-141*			
LCS (2538002-BS1)									Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	268	25.0	250		107	66-144			
Surrogate: n-Nonane	*48.8*		*50.0*		*97.5*	*61-141*			
Matrix Spike (2538002-MS1)				**Source: E509135-02**					Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	56-156			
Surrogate: n-Nonane	*48.0*		*50.0*		*96.1*	*61-141*			
Matrix Spike Dup (2538002-MSD1)				**Source: E509135-02**					Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	56-156	1.98	20	
Surrogate: n-Nonane	*49.6*		*50.0*		*99.2*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:47:21AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538015-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	ND	20.0							
LCS (2538015-BS1)									Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2538015-MS1)				**Source: E509136-06**					Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2538015-MSD1)				**Source: E509136-06**					Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	253	20.0	250	ND	101	80-120	0.309	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	09/19/25 11:47

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: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO#: E509136	Job Number: 0058-0007	1D: 2D: 3D: Std: x	NM: x CO: UT: TX:
Project: Black Mamba 15 STATE COM #009	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206815; PN: 19286; WI: nkl1555733981			
Email: NMTXGeoGroup@etechenv.com				

Analysis and Method | **EPA Program**: SDWA / CWA / RCRA; Compliance: Y or N; PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	# Containers	Sample ID	Depth	Lab Number	(1) TPH by 8015	(2) BTEX by 8021	VOC by 8260	Chloride 300.0	TDS	TPH by 418.1	Sample Temp	Remarks
10:00	9/11/2025	S	1	FS18	0-0.5'	1						X	4.4	
10:10	9/11/2025	S	1	FS19	0-0.5'	2						X	4.2	
10:20	9/11/2025	S	1	FS20	0-0.5'	3						X	4.0	
10:30	9/11/2025	S	1	FS21	0-0.5'	4						X	4.1	
10:40	9/11/2025	S	1	FS22	0-0.5'	5						X	4.2	
10:50	9/11/2025	S	1	FS23	0-0.5'	6						X	8.8	
12:00	9/11/2025	S	1	FS24	0-0.5'	7						X	3.6	

Additional Instructions:

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

Relinquished By: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Haleigh Bloom	09/12/25	07:17	[signature]	9-12-25	1030

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: (Y) N

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

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

Envirotech Analytical Laboratory

Printed: 9/15/2025 10:22:12AM

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:	Devon Energy - Carlsbad	Date Received:	09/12/25 10:30	Work Order ID:	E509136
Phone:	(575) 748-0176	Date Logged In:	09/12/25 12:45	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	09/19/25 17:00 (5 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 STATE COM #009
Work Order:	E509137
Job Number:	01058-0007
Received:	9/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/19/25

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: 9/19/25

Anna Byers
333 W Sheridan Avenue
Oklahoma City, OK 73102-5010

Project Name: Black Mamba 15 STATE COM #009
Workorder: E509137
Date Received: 9/12/2025 10:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/12/2025 10:30:00AM, under the Project Name: Black Mamba 15 STATE COM #009.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 STATE COM #009 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	09/19/25 11:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS25 0-0.5'	E509137-01A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS26 0-0.5'	E509137-02A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS27 0-0.5'	E509137-03A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS28 0-0.5'	E509137-04A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS29 0-0.5'	E509137-05A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS30 0-0.5'	E509137-06A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS31 0-0.5'	E509137-07A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS32 0-0.5'	E509137-08A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:50:06AM

FS25 0-0.5'

E509137-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538005
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*92.0 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:50:06AM

FS26 0-0.5'

E509137-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538005
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*91.1 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:50:06AM

FS27 0-0.5'

E509137-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.7 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538005
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*92.3 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:50:06AM

FS28 0-0.5'

E509137-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.6 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538005
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*94.7 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	**27.1**	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:50:06AM

FS29 0-0.5'

E509137-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538005
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*91.2 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:50:06AM

FS30 0-0.5'

E509137-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.4 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538005
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*95.4 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:50:06AM

FS31 0-0.5'

E509137-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.8 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538005
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*95.5 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:50:06AM

FS32 0-0.5'

E509137-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.6 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538005
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*91.4 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	ND	20.0	1	09/15/25	09/16/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:50:06AM

Volatile Organics by EPA 8021B

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 (2538011-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.95*		*8.00*		*86.9*	*70-130*			
LCS (2538011-BS1)									Prepared: 09/15/25 Analyzed: 09/15/25
Benzene	4.52	0.0250	5.00		90.4	70-130			
Ethylbenzene	4.81	0.0250	5.00		96.1	70-130			
Toluene	4.72	0.0250	5.00		94.4	70-130			
o-Xylene	4.82	0.0250	5.00		96.4	70-130			
p,m-Xylene	9.74	0.0500	10.0		97.4	70-130			
Total Xylenes	14.6	0.0250	15.0		97.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.85*		*8.00*		*98.2*	*70-130*			
Matrix Spike (2538011-MS1)				**Source: E509137-07**					Prepared: 09/15/25 Analyzed: 09/15/25
Benzene	5.07	0.0250	5.00	ND	101	70-130			
Ethylbenzene	5.40	0.0250	5.00	ND	108	70-130			
Toluene	5.30	0.0250	5.00	ND	106	70-130			
o-Xylene	5.40	0.0250	5.00	ND	108	70-130			
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130			
Total Xylenes	16.3	0.0250	15.0	ND	109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.63*		*8.00*		*95.4*	*70-130*			
Matrix Spike Dup (2538011-MSD1)				**Source: E509137-07**					Prepared: 09/15/25 Analyzed: 09/15/25
Benzene	4.62	0.0250	5.00	ND	92.4	70-130	9.35	27	
Ethylbenzene	4.94	0.0250	5.00	ND	98.7	70-130	8.90	26	
Toluene	4.84	0.0250	5.00	ND	96.8	70-130	9.12	20	
o-Xylene	4.95	0.0250	5.00	ND	98.9	70-130	8.77	25	
p,m-Xylene	10.0	0.0500	10.0	ND	100	70-130	8.69	23	
Total Xylenes	14.9	0.0250	15.0	ND	99.6	70-130	8.72	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.66*		*8.00*		*95.8*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:50:06AM

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 (2538011-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.1*	*70-130*			
LCS (2538011-BS2)									Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	52.8	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.33*		*8.00*		*91.7*	*70-130*			
Matrix Spike (2538011-MS2)				**Source: E509137-07**					Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.42*		*8.00*		*92.7*	*70-130*			
Matrix Spike Dup (2538011-MSD2)				**Source: E509137-07**					Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	52.6	20.0	50.0	ND	105	70-130	1.99	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.37*		*8.00*		*92.1*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:50:06AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538005-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.1*		*50.0*		*90.2*	*61-141*			
LCS (2538005-BS1)									Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	251	25.0	250		100	66-144			
Surrogate: n-Nonane	*46.2*		*50.0*		*92.3*	*61-141*			
Matrix Spike (2538005-MS1)				**Source: E509137-05**					Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	56-156			
Surrogate: n-Nonane	*46.5*		*50.0*		*93.0*	*61-141*			
Matrix Spike Dup (2538005-MSD1)				**Source: E509137-05**					Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	250	25.0	250	ND	99.9	56-156	0.217	20	
Surrogate: n-Nonane	*46.3*		*50.0*		*92.5*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:50:06AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538015-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	ND	20.0							
LCS (2538015-BS1)									Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2538015-MS1)				**Source: E509136-06**					Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2538015-MSD1)				**Source: E509136-06**					Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	253	20.0	250	ND	101	80-120	0.309	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	09/19/25 11:50

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

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

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

Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E509137	Job Number 01051-0001	1D 2D 3D Std: x	NM: x CO UT TX
Project: Black Mamba 15 STATE COM #009	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21206515; PN: 19286; IN: nKJ1535733981			
Email: NMTXGeoGroup@etechenv.com				

Analysis and Method | **EPA Program**: SDWA | CWA | RCRA; Compliance Y or N; PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	BTEX by 8021B	TPH by 8015D	8260B VOC	Chlorides	TDS	Resistivity	Anions (F, Cl, NO3, NO2, PO4, SO4)	Cations (Ca, Mg, Na, K)	TKN	Sample Temp	Remarks
11:00	9/11/2025	S	1	FS25	0-0.5'	1								X		2.4	
11:10	9/11/2025	S	1	FS26	0-0.5'	2								X		2.6	
11:20	9/11/2025	S	1	FS27	0-0.5'	3								X		3.8	
11:30	9/11/2025	S	1	FS28	0-0.5'	4								X		3.0	
11:40	9/11/2025	S	1	FS29	0-0.5'	5								X		3.6	
11:50	9/11/2025	S	1	FS30	0-0.5'	6								X		3.2	
12:10	9/11/2025	S	1	FS31	0-0.5'	7								X		3.4	
12:20	9/11/2025	S	1	FS32	0-0.5'	8								X		2.8	

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	09/12/2025	07:15	[signature]	9-12-25	1030
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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: (Y) N

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

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

Envirotech Analytical Laboratory

Printed: 9/15/2025 10:24:15AM

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:	Devon Energy - Carlsbad	Date Received:	09/12/25 10:30	Work Order ID:	E509137
Phone:	(575) 748-0176	Date Logged In:	09/12/25 12:59	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	09/19/25 17:00 (5 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 STATE COM #009
Work Order:	E506202
Job Number:	01058-0007
Received:	6/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/27/25

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

Date Reported: 6/27/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Black Mamba 15 STATE COM #009
Workorder: E506202
Date Received: 6/23/2025 8:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/23/2025 8:00:00AM, under the Project Name: Black Mamba 15 STATE COM #009.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 STATE COM #009 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	06/27/25 16:08

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01 0-0.25'	E506202-01A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SW02 0-0.25'	E506202-02A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SW03 0-0.25'	E506202-03A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SW04 0-0.25'	E506202-04A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SW05 0-0.25'	E506202-05A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SW06 0-0.25'	E506202-06A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

SW01 0-0.25'

E506202-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Benzene	ND	0.0250	1	06/24/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/24/25	06/24/25	
Toluene	ND	0.0250	1	06/24/25	06/24/25	
o-Xylene	ND	0.0250	1	06/24/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/24/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526118
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/25	06/26/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/26/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526060
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

SW02 0-0.25'

E506202-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Benzene	ND	0.0250	1	06/24/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/24/25	06/24/25	
Toluene	ND	0.0250	1	06/24/25	06/24/25	
o-Xylene	ND	0.0250	1	06/24/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/24/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526118
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/25	06/26/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*06/26/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526060
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

SW03 0-0.25'

E506202-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Benzene	ND	0.0250	1	06/24/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/24/25	06/24/25	
Toluene	ND	0.0250	1	06/24/25	06/24/25	
o-Xylene	ND	0.0250	1	06/24/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/24/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526118
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/25	06/26/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/26/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526060
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

SW04 0-0.25'

E506202-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Benzene	ND	0.0250	1	06/24/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/24/25	06/24/25	
Toluene	ND	0.0250	1	06/24/25	06/24/25	
o-Xylene	ND	0.0250	1	06/24/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/24/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526118
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/25	06/26/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*06/26/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526060
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

SW05 0-0.25'

E506202-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Benzene	ND	0.0250	1	06/24/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/24/25	06/24/25	
Toluene	ND	0.0250	1	06/24/25	06/24/25	
o-Xylene	ND	0.0250	1	06/24/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/24/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526118
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/25	06/26/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/26/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526060
Chloride	ND	20.0	1	06/24/25	06/24/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

SW06 0-0.25'

E506202-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Benzene	ND	0.0250	1	06/24/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/24/25	06/24/25	
Toluene	ND	0.0250	1	06/24/25	06/24/25	
o-Xylene	ND	0.0250	1	06/24/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/24/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2526053
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/24/25	06/24/25	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/24/25*	*06/24/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/24/25*	*06/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2526118
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/25	06/26/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/26/25*	*06/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2526060
Chloride	ND	20.0	1	06/24/25	06/24/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2526053-BLK1)									Prepared: 06/24/25 Analyzed: 06/24/25
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: Bromofluorobenzene	*0.542*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			
LCS (2526053-BS1)									Prepared: 06/24/25 Analyzed: 06/24/25
Benzene	2.42	0.0250	2.50		97.0	70-130			
Ethylbenzene	2.43	0.0250	2.50		97.2	70-130			
Toluene	2.29	0.0250	2.50		91.7	70-130			
o-Xylene	2.35	0.0250	2.50		93.8	70-130			
p,m-Xylene	4.68	0.0500	5.00		93.6	70-130			
Total Xylenes	7.03	0.0250	7.50		93.7	70-130			
Surrogate: Bromofluorobenzene	*0.553*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			
Matrix Spike (2526053-MS1)				**Source: E506202-05**					Prepared: 06/24/25 Analyzed: 06/24/25
Benzene	2.36	0.0250	2.50	ND	94.4	48-131			
Ethylbenzene	2.36	0.0250	2.50	ND	94.4	45-135			
Toluene	2.22	0.0250	2.50	ND	88.8	48-130			
o-Xylene	2.24	0.0250	2.50	ND	89.7	43-135			
p,m-Xylene	4.42	0.0500	5.00	ND	88.5	43-135			
Total Xylenes	6.67	0.0250	7.50	ND	88.9	43-135			
Surrogate: Bromofluorobenzene	*0.546*		*0.500*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.507*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2526053-MSD1)				**Source: E506202-05**					Prepared: 06/24/25 Analyzed: 06/24/25
Benzene	2.41	0.0250	2.50	ND	96.5	48-131	2.16	23	
Ethylbenzene	2.52	0.0250	2.50	ND	101	45-135	6.64	27	
Toluene	2.38	0.0250	2.50	ND	95.0	48-130	6.79	24	
o-Xylene	2.48	0.0250	2.50	ND	99.0	43-135	9.90	27	
p,m-Xylene	4.94	0.0500	5.00	ND	98.9	43-135	11.1	27	
Total Xylenes	7.42	0.0250	7.50	ND	98.9	43-135	10.7	27	
Surrogate: Bromofluorobenzene	*0.557*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.527*		*0.500*		*105*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2526053-BLK1)									Prepared: 06/24/25 Analyzed: 06/24/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.542*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			
LCS (2526053-BS2)									Prepared: 06/24/25 Analyzed: 06/24/25
Gasoline Range Organics (C6-C10)	58.9	20.0	50.0		118	70-130			
Surrogate: Bromofluorobenzene	*0.559*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			
Matrix Spike (2526053-MS2)				**Source: E506202-05**					Prepared: 06/24/25 Analyzed: 06/24/25
Gasoline Range Organics (C6-C10)	59.8	20.0	50.0	ND	120	70-130			
Surrogate: Bromofluorobenzene	*0.556*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2526053-MSD2)				**Source: E506202-05**					Prepared: 06/24/25 Analyzed: 06/24/25
Gasoline Range Organics (C6-C10)	57.4	20.0	50.0	ND	115	70-130	4.16	20	
Surrogate: Bromofluorobenzene	*0.557*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2526118-BLK1)									Prepared: 06/26/25 Analyzed: 06/26/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.2*		*50.0*		*104*	*61-141*			
LCS (2526118-BS1)									Prepared: 06/26/25 Analyzed: 06/26/25
Diesel Range Organics (C10-C28)	276	25.0	250		110	66-144			
Surrogate: n-Nonane	*50.2*		*50.0*		*100*	*61-141*			
Matrix Spike (2526118-MS1)				**Source: E506232-02**					Prepared: 06/26/25 Analyzed: 06/26/25
Diesel Range Organics (C10-C28)	1110	50.0	250	952	62.4	56-156			
Surrogate: n-Nonane	*49.7*		*50.0*		*99.5*	*61-141*			
Matrix Spike Dup (2526118-MSD1)				**Source: E506232-02**					Prepared: 06/26/25 Analyzed: 06/26/25
Diesel Range Organics (C10-C28)	1090	50.0	250	952	54.4	56-156	1.82	20	M4
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	6/27/2025 4:08:24PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2526060-BLK1)									Prepared: 06/24/25 Analyzed: 06/24/25
Chloride	ND	20.0							
LCS (2526060-BS1)									Prepared: 06/24/25 Analyzed: 06/24/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2526060-MS1)				**Source: E506201-03**					Prepared: 06/24/25 Analyzed: 06/24/25
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2526060-MSD1)				**Source: E506201-03**					Prepared: 06/24/25 Analyzed: 06/24/25
Chloride	255	20.0	250	ND	102	80-120	0.103	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	06/27/25 16:08

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.

Released to Imaging: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT				State				
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO# E506202	Job Number 01058-0007	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Black Mamba 15 STATE COM #009	Address: 5315 Buena Vista Dr.						x	x				
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220											
Address: 13000 W County Rd 100	Phone: 575-885-7502											
City, State, Zip: Odessa,TX, 79765	Email: jim.raley@dvn.com											
Phone: 432-305-6415	Miscellaneous: WO: 21206815; PN: 19288; IN: nKJ1535733981											
Email: NMTXGeoGroup@etechenv.com												

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	Analysis and Method: DRO/GRO by 8015	DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TDS by 160.1	PCB's 8082	8015 - GRO	8015 - DRO	EPA Program: Sample Temp	Remarks
12:40	6/19/2025	S	1	SW01	0-0.25'	1								X		4.7	
12:44	6/19/2025	S	1	SW02	0-0.25'	2								X		5.1	
13:10	6/19/2025	S	1	SW03	0-0.25'	3								X		5.0	
13:14	6/19/2025	S	1	SW04	0-0.25'	4								X		4.9	
13:18	6/19/2025	S	1	SW05	0-0.25'	5								X		4.8	
13:22	6/19/2025	S	1	SW06	0-0.25'	6								X		5.1	

EPA Program	SDWA	CWA	RCRA
Compliance		Y	or N
PWSID #			

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Haleigh Blume	06/20/2025			6.20.25	7015
Relinquished by: (Signature)	Date 6/20/25	Time 1645	Received by: (Signature)	Date 6/20/25	Time 1710
Relinquished by: (Signature)	Date 6/21/25	Time 1235am	Received by: (Signature) Caitlin Mars	Date 6/23/25	Time 800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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: (Y) / N

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

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

Envirotech Analytical Laboratory

Printed: 6/23/2025 12:35:16PM

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:	Devon Energy - Carlsbad	Date Received:	06/23/25 08:00	Work Order ID:	E506202
Phone:	(575) 748-0176	Date Logged In:	06/23/25 10:26	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	06/27/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Anna Byers

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 STATE COM #009
Work Order:	E509134
Job Number:	01058-0007
Received:	9/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/19/25

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: 9/19/25

Anna Byers
333 W Sheridan Avenue
Oklahoma City, OK 73102-5010

Project Name: Black Mamba 15 STATE COM #009
Workorder: E509134
Date Received: 9/12/2025 10:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/12/2025 10:30:00AM, under the Project Name: Black Mamba 15 STATE COM #009.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 STATE COM #009 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	09/19/25 11:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW07 0-0.5'	E509134-01A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SW08 0-0.5'	E509134-02A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SW09 0-0.5'	E509134-03A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SW10 0-0.5'	E509134-04A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SW11 0-0.5'	E509134-05A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SW12 0-0.5'	E509134-06A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:30:35AM

SW07 0-0.5'

E509134-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*98.6 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538014
Chloride	**167**	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:30:35AM

SW08 0-0.5'

E509134-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*97.8 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538014
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:30:35AM

SW09 0-0.5'

E509134-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*112 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*97.3 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538014
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:30:35AM

SW10 0-0.5'

E509134-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*111 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*98.7 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538014
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:30:35AM

SW11 0-0.5'

E509134-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*94.1 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538014
Chloride	**31.2**	20.0	1	09/15/25	09/15/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:30:35AM

SW12 0-0.5'

E509134-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*112 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*09/15/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*95.7 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538014
Chloride	ND	20.0	1	09/15/25	09/15/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:30:35AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538009-BLK1)									Prepared: 09/15/25 Analyzed: 09/16/25
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	*8.62*		*8.00*		*108*	*70-130*			
LCS (2538009-BS1)									Prepared: 09/15/25 Analyzed: 09/16/25
Benzene	3.59	0.0250	5.00		71.7	70-130			
Ethylbenzene	3.59	0.0250	5.00		71.8	70-130			
Toluene	3.58	0.0250	5.00		71.5	70-130			
o-Xylene	3.70	0.0250	5.00		74.0	70-130			
p,m-Xylene	7.32	0.0500	10.0		73.2	70-130			
Total Xylenes	11.0	0.0250	15.0		73.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.68*		*8.00*		*108*	*70-130*			
Matrix Spike (2538009-MS1)				**Source: E509135-04**					Prepared: 09/15/25 Analyzed: 09/16/25
Benzene	3.90	0.0250	5.00	ND	77.9	70-130			
Ethylbenzene	3.89	0.0250	5.00	ND	77.8	70-130			
Toluene	3.88	0.0250	5.00	ND	77.6	70-130			
o-Xylene	4.02	0.0250	5.00	ND	80.3	70-130			
p,m-Xylene	7.94	0.0500	10.0	ND	79.4	70-130			
Total Xylenes	12.0	0.0250	15.0	ND	79.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.68*		*8.00*		*108*	*70-130*			
Matrix Spike Dup (2538009-MSD1)				**Source: E509135-04**					Prepared: 09/15/25 Analyzed: 09/16/25
Benzene	4.24	0.0250	5.00	ND	84.7	70-130	8.39	27	
Ethylbenzene	4.24	0.0250	5.00	ND	84.8	70-130	8.58	26	
Toluene	4.22	0.0250	5.00	ND	84.4	70-130	8.32	20	
o-Xylene	4.36	0.0250	5.00	ND	87.2	70-130	8.17	25	
p,m-Xylene	8.63	0.0500	10.0	ND	86.3	70-130	8.31	23	
Total Xylenes	13.0	0.0250	15.0	ND	86.6	70-130	8.26	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.85*		*8.00*		*111*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:30:35AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538009-BLK1)									Prepared: 09/15/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.7*	*70-130*			
LCS (2538009-BS2)									Prepared: 09/15/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0		94.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.57*		*8.00*		*94.7*	*70-130*			
Matrix Spike (2538009-MS2)				**Source: E509135-04**					Prepared: 09/15/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	51.1	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.4*	*70-130*			
Matrix Spike Dup (2538009-MSD2)				**Source: E509135-04**					Prepared: 09/15/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	56.7	20.0	50.0	ND	113	70-130	10.5	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.8*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:30:35AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538002-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*61-141*			
LCS (2538002-BS1)									Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	268	25.0	250		107	66-144			
Surrogate: n-Nonane	*48.8*		*50.0*		*97.5*	*61-141*			
Matrix Spike (2538002-MS1)				**Source: E509135-02**					Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	56-156			
Surrogate: n-Nonane	*48.0*		*50.0*		*96.1*	*61-141*			
Matrix Spike Dup (2538002-MSD1)				**Source: E509135-02**					Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	56-156	1.98	20	
Surrogate: n-Nonane	*49.6*		*50.0*		*99.2*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	9/19/2025 11:30:35AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538014-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	ND	20.0							
LCS (2538014-BS1)									Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2538014-MS1)				**Source: E509134-06**					Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2538014-MSD1)				**Source: E509134-06**					Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	257	20.0	250	ND	103	80-120	1.46	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 STATE COM #009	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Anna Byers	09/19/25 11:30

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: 3/31/2026 4:57:35 PM
Received by OCD: 3/2/2026 1:23:51 PM

envirotech
Analytical Laboratory

Chain of Custody

E509134 Ctn 9/15/25

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: Devon Energy Production Company, LP	Company: Devon Energy Production Co.	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Black Mamba 15 STATE COM #009	Address: 5315 Buena Vista Dr.	E509134	01057-0057				x	x				
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220											
Address: 13000 W County Rd 100	Phone: 575-885-7502											
City, State, Zip: Odessa, TX, 79765	Email: jim.raley@dvn.com											
Phone: 432-305-6415	Miscellaneous: WO: 21206815; PN: 19286; IN: n#/1535733981											
Email: NMTXGeoGroup@etechenv.com												

Sample Information							Analysis and Method										EPA Program		
Time Sampled	Date Sampled	Matrix	No. Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TPH by 418.1	RCRA 8 Metals		BTEX by 8021	TPH by 8015	SDWA	CWA	RCRA
																	Compliance:	Y	or N
																	PWSID #		
9:20	9/11/2025	S	1	SW07	0-0.5'	1									X		4.7		
9:30	9/11/2025	S	1	SW08	0-0.5'	2									X		4.0		
9:40	9/11/2025	S	1	SW09	0-0.5'	3									X		4.1		
9:50	9/11/2025	S	1	SW10	0-0.5'	4									X		4.0		
12:25	9/11/2025	S	1	SW11	0-0.5'	5									X		3.8		
12:30	9/11/2025	S	1	SW12	0-0.5'	6									X		4.2		

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally misleading the sampling location of any of the samples listed below may be grounds for legal action.

Sampled by: Haleigh Blume

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Haleigh Blume	9/12/2025	07:15	[signature]	9-12-25	1050

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at an avg temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on Ice: (Y) / N

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

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

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

Envirotech Analytical Laboratory

Printed: 9/15/2025 10:18:40AM

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:	Devon Energy - Carlsbad	Date Received:	09/12/25 10:30	Work Order ID:	E509134
Phone:	(575) 748-0176	Date Logged In:	09/12/25 12:40	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	09/19/25 17:00 (5 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Erick Herrera

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Black Mamba 15 State Com 8&9
Work Order:	E510246
Job Number:	01058-0007
Received:	10/22/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/23/25

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

Date Reported: 10/23/25

Erick Herrera
333 W Sheridan Avenue
Oklahoma City, OK 73102-5010

Project Name: Black Mamba 15 State Com 8&9
Workorder: E510246
Date Received: 10/22/2025 6:30:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/22/2025 6:30:00AM, under the Project Name: Black Mamba 15 State Com 8&9.

The analytical test results summarized in this report with the Project Name: Black Mamba 15 State Com 8&9 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State Com 8&9	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Erick Herrera	10/23/25 14:42

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
STKP01	E510246-01A	Soil	10/17/25	10/22/25	Glass Jar, 2 oz.
STKP02	E510246-02A	Soil	10/17/25	10/22/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State Com 8&9	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Erick Herrera	10/23/2025 2:42:26PM

STKP01

E510246-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2543057
Benzene	ND	0.0250	1	10/22/25	10/22/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/22/25	
Toluene	ND	0.0250	1	10/22/25	10/22/25	
o-Xylene	ND	0.0250	1	10/22/25	10/22/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/22/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*10/22/25*	*10/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2543057
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*10/22/25*	*10/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2543055
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/22/25	
Surrogate: n-Nonane		*89.1 %*	*61-141*	*10/22/25*	*10/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543061
Chloride	ND	20.0	1	10/22/25	10/22/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State Com 8&9	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Erick Herrera	10/23/2025 2:42:26PM

STKP02

E510246-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2543057
Benzene	ND	0.0250	1	10/22/25	10/22/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/22/25	
Toluene	ND	0.0250	1	10/22/25	10/22/25	
o-Xylene	ND	0.0250	1	10/22/25	10/22/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/22/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*10/22/25*	*10/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2543057
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*111 %*	*70-130*	*10/22/25*	*10/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2543055
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/22/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*10/22/25*	*10/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543061
Chloride	ND	20.0	1	10/22/25	10/22/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State Com 8&9	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Erick Herrera	10/23/2025 2:42:26PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2543057-BLK1)									Prepared: 10/22/25 Analyzed: 10/22/25
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	*7.65*		*8.00*		*95.6*	*70-130*			
LCS (2543057-BS1)									Prepared: 10/22/25 Analyzed: 10/22/25
Benzene	3.90	0.0250	5.00		78.0	70-130			
Ethylbenzene	3.66	0.0250	5.00		73.2	70-130			
Toluene	3.81	0.0250	5.00		76.2	70-130			
o-Xylene	3.78	0.0250	5.00		75.7	70-130			
p,m-Xylene	7.51	0.0500	10.0		75.1	70-130			
Total Xylenes	11.3	0.0250	15.0		75.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.50*		*8.00*		*93.8*	*70-130*			
Matrix Spike (2543057-MS1)				**Source: E510247-04**					Prepared: 10/22/25 Analyzed: 10/22/25
Benzene	4.17	0.0250	5.00	ND	83.5	70-130			
Ethylbenzene	3.91	0.0250	5.00	ND	78.2	70-130			
Toluene	4.07	0.0250	5.00	ND	81.5	70-130			
o-Xylene	4.03	0.0250	5.00	ND	80.5	70-130			
p,m-Xylene	8.01	0.0500	10.0	ND	80.0	70-130			
Total Xylenes	12.0	0.0250	15.0	ND	80.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.33*		*8.00*		*91.6*	*70-130*			
Matrix Spike Dup (2543057-MSD1)				**Source: E510247-04**					Prepared: 10/22/25 Analyzed: 10/22/25
Benzene	4.41	0.0250	5.00	ND	88.2	70-130	5.57	27	
Ethylbenzene	4.12	0.0250	5.00	ND	82.4	70-130	5.20	26	
Toluene	4.30	0.0250	5.00	ND	86.0	70-130	5.35	20	
o-Xylene	4.26	0.0250	5.00	ND	85.2	70-130	5.63	25	
p,m-Xylene	8.44	0.0500	10.0	ND	84.4	70-130	5.25	23	
Total Xylenes	12.7	0.0250	15.0	ND	84.6	70-130	5.37	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.64*		*8.00*		*95.5*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State Com 8&9	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Erick Herrera	10/23/2025 2:42:26PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2543057-BLK1)									Prepared: 10/22/25 Analyzed: 10/22/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.8*	*70-130*			
LCS (2543057-BS2)									Prepared: 10/22/25 Analyzed: 10/22/25
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0		85.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.90*		*8.00*		*86.2*	*70-130*			
Matrix Spike (2543057-MS2)				**Source: E510247-04**					Prepared: 10/22/25 Analyzed: 10/22/25
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*8.00*		*91.9*	*70-130*			
Matrix Spike Dup (2543057-MSD2)				**Source: E510247-04**					Prepared: 10/22/25 Analyzed: 10/22/25
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.5	70-130	1.29	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State Com 8&9	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Erick Herrera	10/23/2025 2:42:26PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2543055-BLK1)									Prepared: 10/22/25 Analyzed: 10/22/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.5*		*50.0*		*99.1*	*61-141*			
LCS (2543055-BS1)									Prepared: 10/22/25 Analyzed: 10/22/25
Diesel Range Organics (C10-C28)	283	25.0	250		113	66-144			
Surrogate: n-Nonane	*53.4*		*50.0*		*107*	*61-141*			
Matrix Spike (2543055-MS1)				**Source: E510246-01**					Prepared: 10/22/25 Analyzed: 10/22/25
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	56-156			
Surrogate: n-Nonane	*51.0*		*50.0*		*102*	*61-141*			
Matrix Spike Dup (2543055-MSD1)				**Source: E510246-01**					Prepared: 10/22/25 Analyzed: 10/22/25
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	56-156	0.986	20	
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State Com 8&9	**Reported:**
333 W Sheridan Avenue	Project Number:	01058-0007	
Oklahoma City OK, 73102-5010	Project Manager:	Erick Herrera	10/23/2025 2:42:26PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2543061-BLK1)									Prepared: 10/22/25 Analyzed: 10/22/25
Chloride	ND	20.0							
LCS (2543061-BS1)									Prepared: 10/22/25 Analyzed: 10/22/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2543061-MS1)				**Source: E510247-02**					Prepared: 10/22/25 Analyzed: 10/22/25
Chloride	250	20.0	250	ND	100	80-120			
Matrix Spike Dup (2543061-MSD1)				**Source: E510247-02**					Prepared: 10/22/25 Analyzed: 10/22/25
Chloride	249	20.0	250	ND	99.6	80-120	0.365	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

Devon Energy - Carlsbad	Project Name:	Black Mamba 15 State Com 8&9	
333 W Sheridan Avenue	Project Number:	01058-0007	**Reported:**
Oklahoma City OK, 73102-5010	Project Manager:	Erick Herrera	10/23/25 14:42

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

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

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

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envirotech
Analytical Lab

Chain of Custody

Page 1 of 1

Client Information
Client: Devon Energy Production Company, LP
Project Name: Black Mamba 15 Fed Com 304H
Project Manager: Erick Herrera
Address: 13500 N County Rd 100
City, State, Zip: Odessa, TX 79765
Phone: 432 / 305 / 6615
Email: NM TX Geology2@etechenv.com

Invoice Information
Company: Devon Energy Production Co
Address: 5315 Buena Vista Dr
City, State, Zip: Carlsbad, NM, 88220
Phone: 575 885 7502
Email: jim.raley@dvn.com
Misc Remarks: PN: 24335 174236
API: 30-015-54534 / 30-015-57329

Lab Use Only
Lab WO#: E5102246
Job Number: 01958-00007

TAT
1D: X | 2D | 3D | Std

State
NM: X | CO | UT | TX

Analysis and Method
BTEX 8021 | TPH 8015

EPA Program
SDWA | CWA | RCRA
Compliance | Y | or | N
PWSID #

Sample Information

Matrix	Date Sampled	Time Sampled	Matrix	# Containers	Sample ID	Depth	Lab Number	Sample Temp	Remarks
ID 58	10/17/2025	5	1	STKP01		1		3.7	
11:20	10/17/2025	5	1	STKP02		2		3.5	

Additional Instructions: NO 212068 & 212655

I, (field sampler), attest to the validity and authenticity of my samples. 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: Ethan Jasc

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
			Monica Gonzales	10-21-25	1030
Monica Gonzales	10-21-25	1415		10-21-25	1415
	10-21-25	1920	Andrew Musso	10.21.25	1920
Andrew Musso	10.21.25	2330			

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only
Received on ice: Y / N

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

Note: Samples are discarded 30 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: 10/22/2025 12:09:10PM

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:	Devon Energy - Carlsbad	Date Received:	10/22/25 06:30	Work Order ID:	E510246
Phone:	(575) 748-0176	Date Logged In:	10/21/25 15:17	Logged In By:	Caitlin Mars
Email:		Due Date:	10/22/25 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Appendix J

NMSLO Seed Mix Sandy Loam (SL)

SANDY LOAM (SL) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Galleta grass	Viva, VNS, So.	2.5	F
Little bluestem	Cimmaron, Pastura	2.5	F
Blue grama	Hachita, Lovington	2.0	D
Sideoats grama	Vaughn, El Reno	2.0	F
Sand dropseed	VNS, Southern	1.0	S
Forbs:			
Indian blanketflower	VNS, Southern	1.0	D
Parry penstemon	VNS, Southern	1.0	D
Blue flax	Appar	1.0	D
Desert globemallow	VNS, Southern	1.0	D
Shrubs:			
Fourwing saltbush	VNS, Southern	2.0	D
Common winterfat	VNS, Southern	1.0	F
Apache plume	VNS, Southern	0.75	F
	Total PLS/acre	**17.75**	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box

- VNS, Southern – No Variety Stated, seed should be from a southern latitude collection of this species.
- Double above seed rates for broadcast or hydroseeding.
- If Parry penstemon is not available, substitute firecracker penstemon.
- If desert globemallow is not available, substitute scarlet globemallow or Nelson globemallow.
- If a species is not available, provide a suggested substitute to the New Mexico Land Office for approval. Increasing all other species proportionately may be acceptable.

Appendix K

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HoldAll®
Decorative Plant Accessories

40 TESTS
DIRECTIONS INSIDE

SOIL TEST KIT

Plants & Flowers

Grasses & Lawns

Fruits & Veggies

Trees & Shrubs

757860

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HoldAll
Decorative Plant Accessories

757860

SOIL TEST KIT

Tests Your Soil for a Healthy Garden

• pH • Nitrogen(N) • Phosphorus(P) • Potassium(K) •

PREPARING YOUR SOIL SAMPLES

For lawns, annuals or house plants, take the soil sample from about 2-3" below the surface. For perennials especially shrubs, vegetables and fruit, the sample should be from 4" deep.

Avoid touching the soil with your hands. Test different areas of your soil, as it may differ according to past cultivation, underlying soil differences or a localized condition. It is preferable to make individual tests on several samples from different areas, than to mix the samples together.

Place your soil sample into a clean container. Break the sample up with the trowel or spoon and allow it to dry out naturally. This is not essential, however it makes working with the sample easier. Remove any small stones, organic material such as grass, weeds or roots and hard particles of lime. Then crumble the sample finely and mix it thoroughly.

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HOW TO TEST YOUR SOIL:

Tube caps and capsules are color-coded for simplicity.

Green = pH **Purple** = Nitrogen
Blue = Phosphorus **Orange** = Potash

pH TEST:

1. Remove cap from the green capped tube.
2. Fill tube with soil to the first line.
3. Carefully open a green capsule and pour powder into the tube.
4. Add water (preferably distilled) to the fourth line.
5. Cap tube and shake thoroughly.
6. Allow soil to settle and color to develop for about a minute.
7. Compare color of solution to the pH color chart. Repeat for remaining capsules.

pH 7.5 - Alkaline

pH 7.0 - Neutral

pH 6.5 - Slight A

pH 6.0 - Acid

pH 5.5 - Acid

pH 5.0 - Very Acid

pH 4.5 - Very Acid

NITROGEN, PHOSPHORUS & POTASH TESTS:

Fill a clean jar or can with 1 part soil and 5 parts water. Thoroughly shake or stir the soil and water together for at least one minute and then allow the mixture to stand undisturbed until it settles (30 minutes to 24 hours, dependent on soil). A fine clay soil will take much longer to settle out than a course sandy soil. The clarity of the solution will also vary, the clearer the better, however cloudiness will not affect the accuracy of the test.

PLANT FOOD CHART		
Nitrogen	Phosphorous	Potash
High	High	High
Medium	Medium	Medium
Low	Low	Low
Very Low	Very Low	Very Low

1. Remove the cap from the tube. (Please note that the color of the capsules should match the color of the tube cap.) Using dropper provided, fill the tube to the fourth line with liquid from your soil mixture. Avoid disturbing the sediment.

2. Carefully separate the two halves of one of the capsules. Pour the powder into the tube.

3. Cap the tube and shake thoroughly. Allow color to develop for 10 minutes.

4. Compare color of solution to the appropriate portion of the plant food color chart. For best results allow daylight, not direct sunlight, to illuminate the solution. Note your results. Repeat for remaining capsules.

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TO RAISE OR LOWER pH OF YOUR SOIL

Raising and lowering pH is not an exact science & most plants have a reasonably wide tolerance, certainly to within 1 pH point. Consult the pH Preference List and you will see that the majority can manage well on a pH around 6.5 but some need an alkaline soil and some a particularly acid soil. Altering pH takes time so do not expect rapid changes; rather, work steadily towards giving a plant its ideal conditions.

ADJUSTING pH

pH can be adjusted to provide more suitable growing conditions for the different plants you wish to grow. Or, you can leave the pH of the soil as it is and select plants that like the level revealed by your test. Once you have your pH reading, check the pH Preference List for the pH levels of over 450 popular plants, trees, shrubs, vegetables and fruits. If your pH reading differs significantly from the list's recommended levels, follow instructions below for adjusting soil pH. You can correct pH at any time of the year but it is best to start in the Fall and check progress in the Spring. After working to adjust your soil, retest for pH level in 40-60 days. If results are still significantly off, retreat your soil, not exceeding recommended application levels. Allow one month to pass between adding lime and adding fertilizers.

SOIL TYPES

Sandy Soils: A light, coarse soil comprised of crumbling and alluvial debris.

Loam Soils: A medium friable soil, consisting of a blend of coarse (sand) alluvium and fine (clay) particles mixed within fairly broad limits with a little lime and humus.

Clay Soils: A heavy, clinging, impermeable soil, comprised of very fine particles with little lime and humus and tending to be waterlogged in winter and very dry in summer.

ADJUSTING SOIL pH - HOW MUCH TO APPLY

Material	phChange	Sandy	Loamy	Clay
Dolomitic or Calcic Limestone	+0.5 unit (0.5 pH) +1.0 unit (1.0 pH)	2.5 5.0	2.5 5.0	2.5 5.0
Hydrated Lime	+0.5 unit (0.5 pH) +1.0 unit (1.0 pH)	1.25 - 2.0 3.5 - 4.0	1.25 - 2.0 3.5 - 4.0	1.25 - 2.0 3.5 - 4.0
Iron Sulfate	-0.5 unit (0.5 pH) -1.0 unit (1.0 pH)	0.75 1.5	0.75 1.5	0.75 1.5
Aluminum Sulfate	-0.5 unit (0.5 pH) -1.0 unit (1.0 pH)	0.5 - 0.75 1 - 1.25	0.5 - 0.75 1 - 1.25	0.5 - 0.75 1 - 1.25

Amounts listed are pounds per 100 square feet. Do not add more than 5lbs. of lime or sulfur in one application.

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FERTILIZER RECOMMENDATIONS

FEEDING PRIOR TO PLANTING

Adequate reserves of plant food should be available in the soil before planting vegetables, preparing a seed or flower bed, sodding or seeding a lawn, or planting shrubs and trees. To make up any deficiencies, apply fertilizers from the following chart according to your soil test result.

TEST RESULTS	Very Low	Low	Medium	High
Nitrogen Fertilizers (%N)				
Dried Blood (11%)	38	19	6	N/A
Nitrate of Soda (16%)	27	14	3	N/A
Phosphate Fertilizers (%P)				
Bone Meal (19%)	27	14	6	N/A
Triple Superphosphate (46%)	10.25	5.25-5.5	2.25	N/A
Potash Fertilizers (%K)				
Muriate of Potash (60%)	8.75-9	4.75-5	2.25-2.5	N/A

Amounts listed are ounces per 100 square feet. (Ounces referred to are by weight)

FEEDING ESTABLISHED PLANTS AND BEDS

Based on your test results, apply the appropriate fertilizer(s) in the amounts recommended in the following chart.

RECOMMENDATIONS FOR N, P AND K RESULTS

	Very Low			Low			Medium		
	N	P	K	N	P	K	N	P	K
Lawn	22.0-22.5	0.75-1.0	4.75-5.0	14.0-14.5	1.0-1.5	2.25-2.5	3.75-4.0	0	0
Fruit	14.0-14.5	6.5	13.5-14.0	7.75-8.0	4.0-4.25	8.75-9.0	3.75-4.0	2.25	4.75-5.0
Flower	14.0-14.25	6.5	13.5-14.0	7.75-8.0	4.0-4.25	8.75-9.0	3.75-4.0	2.25	4.75-5.0
Shrubs (flowering)	14.0-14.25	8.25-8.5	13.5-14.0	7.75-8.0	4.0-4.25	8.75-9.0	3.75-4.0	1.0-1.25	4.75-5.0
Shrubs (foliage)	22.0-22.5	10.5-10.75	8.75-9.0	14.0-14.5	5.25-5.5	4.75-5.0	3.75-4.0	2.25	2.25-2.5
Veggies (root)	14.0-14.25	12.0-12.25	8.75-9.0	14.0-14.5	5.25-5.5	4.75-5.0	3.75-4.0	3.0	2.25-2.5
Veggies (leafy)	28.25-29.0	10.25	8.75-9.0	14.0-14.5	5.25-5.5	4.75-5.0	7.75-8.0	2.25	2.25-2.5
Tree	14.0-14.5	10.25	8.75-9.0	7.75-8.0	5.25-5.5	4.75-5.0	3.75-4.0	2.25	2.25-2.5
General Feed	22.0-22.5	6.25-8.5	8.75-9.0	10.5-11.0	4.0-4.25	4.75-5.0	3.75-4.0	1.0-1.25	2.25-2.5

	High		
	N	P	K
Lawn	N/A	N/A	N/A
Fruit	N/A	N/A	N/A
Flower	N/A	N/A	N/A
Shrubs (flowering)	N/A	N/A	N/A
Shrubs (foliage)	N/A	N/A	N/A
Veggies (root)	N/A	N/A	N/A
Veggies (leafy)	N/A	N/A	N/A
Tree	N/A	N/A	N/A
General Feed	N/A	N/A	N/A

The recommendations are based on the following fertilizers sources: Nitrate of Soda (16% N), Triple Superphosphate (46% P_2O_5) and Muriate of Potassium (60% K_2O). The amounts listed are in oz. /100 sq. ft. (Ounces referred to are by weight, not volume.) If you wish to use other fertilizer, simply check the package for the percentage of nutrients for N, P, & K and adjust the application level accordingly.

SPECIAL RECOMMENDATIONS FOR LAWNS

For a new lawn, pay special attention to soil preparation before planting. Proper soil preparation for any size lawn will have a significant impact on the amount of water and care it demands in the future. Till the soil to a depth of at least 12" and incorporate plenty of organic material (9" or more). Test your soil for pH and adjust to the levels recommended on pH Preference List for your type of grass. Refer to the Adjusting Soil pH chart for recommended lime or sulfate applications.

For established lawns: Nitrogen is the most essential nutrient to promote lush growth and deep, green color. Phosphorus and Potassium, in lesser quantities, are also important for strong root formation and growth. Complete fertilizers will supply all 3 nutrients, or you can select an individual fertilizer, such as Nitrate of Soda. The following chart gives recommended application levels specifically for lawns, based on your Nitrogen soil test results.

RECOMMENDATIONS FOR LAWNS

Fertilizer Type	Very Low	Low
38-4-4	4.0 lbs.	2.0 lbs.
24-3-4	3.1 lbs.	1.55 lbs.
30-4-4	3.0 lbs.	1.5 lbs.

	Medium	High
38-4-4	1.0 lbs.	N/A
24-3-4	.77 lbs.	N/A
30-4-4	.75 lbs.	N/A

Amounts listed are pounds per 1000 square feet.

SAFETY & HYGIENE

Dispose of test solutions by rinsing down the sink. Empty gelatin capsules should be disposed of immediately with household waste. Wash the test tubes and caps in warm, soapy water immediately after each use. Make sure any sediment or color staining is removed. Rinse well and dry.
Each bag of capsules should be stored inside the blister. Fit the caps on each test tube. Place all components back into the package. The blister pack has been specially designed to be reused as a storage container.

Store your kit in clean, dry conditions, indoors. The powders are safe in normal domestic terms but like all chemicals and pharmaceuticals, they should be put away and kept out of reach of children. Try to avoid touching the powders. Always wash your hands thoroughly after making your tests. Do not eat, drink or smoke while using the soil test kit. Keep powders away from food, drink and animal feed. If taken internally, drink copious amounts of water and seek medical advice.

CAUTIONS

Where a lot of fertilizer is needed to correct one plant food, divide the application over several weeks. Do not add lime and fertilizer together; lime first. Allow at least one month to pass before applying fertilizer. Retest 30 days after applying fertilizer.

HoldAll®
Decorative Plant Accessories

Plant pH Preference List

NAME	pH
FRUIT	
APPLE	5.0 - 6.5
APRICOT	6.0 - 7.0
AVOCADO	6.0 - 7.5
BANANA	5.0 - 7.0
BLACKBERRY	5.0 - 6.0
BLUEBERRY	4.0 - 5.0
CANTALOUPE	6.0 - 7.5
CHERRY	6.0 - 7.0
CRANBERRY	5.5 - 6.5
CURRANT: Black	6.0 - 6.8
Red	6.5 - 7.0
White	6.0 - 6.8
DAMSON	6.0 - 7.5
GOOSEBERRY	5.0 - 6.5
GRAPEVINE	6.0 - 7.0
GRAPEFRUIT	6.0 - 7.5
HAZELNUT	6.0 - 7.0
HOP	6.0 - 7.5
HUCKLEBERRY	4.0 - 6.0
LEMON	5.0 - 7.0
LYCHEE	5.0 - 7.0
MANGO	5.0 - 6.0
MELON	6.0 - 6.5
MULBERRY	6.0 - 7.5
NECTARINE	6.0 - 7.5
PEACH	6.0 - 7.5
PEAR	6.0 - 7.5
PINEAPPLE	5.0 - 6.0
PLUM	6.0 - 7.5
POMEGRANATE	5.5 - 6.5
QUINCE	6.0 - 7.5
RASPBERRY	5.0 - 7.5
RHUBARB	5.5 - 7.0
STRAWBERRY	5.0 - 7.5
WATERMELON	5.5 - 6.5
VEGETABLES AND HERBS	
ARTICHOKE	6.5 - 7.5
ASPARAGUS	6.0 - 8.0
BASIL	5.5 - 6.5
BEAN	6.0 - 7.5
(Runner, Broad, French)	
BEETROOT	6.0 - 7.5
BROCCOLI	6.0 - 7.0
BRUSSELS SPROUTS	6.0 - 7.5
CABBAGE	6.0 - 7.5
CALABRESE	6.5 - 7.5
CARROT	5.5 - 7.0
CAULIFLOWER	5.5 - 7.5
CELERY	6.0 - 7.0
CHICORY	5.0 - 6.5
CHINESE CABBAGE	6.0 - 7.5
CHIVES	6.0 - 7.0
CORN, SWEET	6.0 - 7.0
CRESS	6.0 - 7.0
CUCUMBER	5.5 - 7.5
FENNEL	5.0 - 6.0
GARLIC	5.5 - 7.5
GINGER	6.0 - 8.0
HORSERADISH	6.0 - 7.0
KALE	6.0 - 7.5
KOHLRABI	6.0 - 7.5
LEEK	6.0 - 8.0
LENTIL	6.0 - 7.0
LETTUCE	6.0 - 7.0
MARJORAM	6.0 - 8.0
MARROW	6.0 - 7.5
MILLET	6.0 - 6.5
MINT	7.0 - 8.0
MUSHROOM	6.5 - 7.5
MUSTARD	6.0 - 7.5
OLIVE	5.5 - 6.0
ONION	6.0 - 7.0
PAPRIKA	7.0 - 8.5
PARSLEY	5.0 - 7.0
PARSNIP	5.5 - 7.0
PEA	6.0 - 7.5
PEANUT	6.0 - 6.5
PECAN	4.0 - 6.0
PEPPER	5.5 - 7.0
PEPPERMINT	6.0 - 7.5
PISTACHIO	5.0 - 6.0
POTATO	4.5 - 6.0
POTATO - SWEET	5.5 - 6.5
PUMPKIN	5.5 - 7.5
RADISH	6.0 - 7.0
RICE	5.0 - 6.0
ROSEMARY	5.0 - 6.0

NAME	pH
VEGETABLES AND HERBS	
SAGE	6.5 - 6.5
SHALLOT	6.5 - 7.0
SORGHUM	5.5 - 7.5
SOYBEAN	6.0 - 6.5
SPEARMINT	6.5 - 7.5
SPINACH	6.0 - 7.5
SWEDE	5.0 - 7.0
THYME	6.5 - 7.0
TOMATO	5.5 - 7.5
TURNIP	6.5 - 7.0
WATER CRESS	6.0 - 9.0
HOUSE and GREENHOUSE PLANTS	
ABUTILON	5.5 - 6.5
ACORUS	5.0 - 6.5
AECHMEA	5.0 - 6.5
AFRICAN VIOLET	6.0 - 7.0
AGLAONEMA	6.0 - 6.0
AMARYLIS	5.5 - 6.5
ANTHURIUM	5.0 - 6.0
APHELANDRA	5.0 - 6.0
ARAUCARIA	5.0 - 6.0
ASPARAGUS FERN	6.0 - 8.0
ASPIDISTRA	4.0 - 5.5
AZALEA	4.5 - 6.0
BABY'S BREATH	6.0 - 7.5
BABY'S TEARS	6.0 - 8.0
BEGONIA	5.5 - 7.0
BIRD OF PARADISE	6.0 - 8.5
BISHOP'S CAP	5.0 - 5.5
BLACK-EYED SUSAN	5.5 - 7.5
BLOOD LEAF	5.5 - 6.5
BOTTLEBRUSH	5.0 - 7.5
BOUGAINVILLEA	5.5 - 7.5
BOXWOOD	6.0 - 7.5
BROMELIADS	5.5 - 7.5
BUTTERFLY FLOWER	6.0 - 7.5
CACTI	4.5 - 9.0
CALCEOLARIA	6.0 - 7.0
CALADIUM	5.0 - 6.0
CALLA LILY	6.0 - 7.0
CAMELLIA	4.5 - 5.5
CAMPANULA	5.0 - 6.5
CAPSICUM	5.0 - 6.5
CARDINAL FLOWER	5.0 - 5.0
CASTOR OIL PLANT	5.5 - 6.5
CENTURY PLANT	5.0 - 6.5
CHINESE EVERGREEN	5.0 - 6.0
CHINESE PRIMROSE	6.0 - 7.5
CHRISTMAS CACTUS	5.0 - 6.5
CINERARIA	5.5 - 7.0
CLERODENDRUM	5.0 - 5.5
CLIVIA	5.5 - 6.5
COCKSCOMB	6.0 - 7.0
COFFEE PLANT	5.0 - 6.0
COLEUS	5.0 - 7.0
COLUMNEA	4.5 - 5.5
CORAL BERRY	6.0 - 7.5
CRASSULA	5.0 - 6.0
CREEPING FIG	5.0 - 6.5
CROTON	5.0 - 6.0
CROWN OF THORNS	6.0 - 7.5
CUPHEA	6.0 - 7.5
CYCLAMEN	6.0 - 7.0
CYPERUS	5.0 - 7.5
DIEFFENBACHIA	5.0 - 6.5
DIPLADENIA	6.0 - 7.5
DIZYGOTHECA	6.0 - 7.5
DRACAENA	5.0 - 6.0
EASTER LILY	6.0 - 7.0
ELEPHANT'S EAR	5.0 - 5.5
EPISCIA	6.0 - 7.0
EUONYMOUS	6.0 - 6.0
FERNS:	
BIRD'S NEST	5.0 - 5.5
BOSTON	5.5 - 6.5
BUTTON	6.0 - 6.0
CHRISTMAS	6.0 - 7.5
CLOAK	5.0 - 7.5
FEATHER	5.5 - 6.5
HART'S TONGUE	7.0 - 8.0
HOLLY	4.5 - 5.5
MAIDENHAIR	6.0 - 8.0
RABBIT'S FOOT	6.0 - 7.5
SPLEENWORT	6.0 - 7.5
FIG	5.0 - 5.5
FITTONIA	5.5 - 6.5
FREESIA	6.0 - 7.0
GARDENIA	5.0 - 6.0

NAME	pH
HOUSE and GREENHOUSE PLANTS	
GENISTA	6.5 - 7.5
GERANIUM	5.5 - 6.0
GLOXINIA	5.5 - 6.5
GRAPE IVY	5.0 - 6.0
GRAPE HYACINTH	6.0 - 7.5
GREVILLEA	5.5 - 6.5
GYNURA	5.5 - 6.5
HEDERA (IVY)	5.0 - 6.0
HELIOTROPIUM	5.0 - 6.0
HENS AND CHICKENS	5.0 - 7.0
HERRINGBONE PLANT	6.0 - 6.0
HIBISCUS PLANT	6.0 - 6.0
HOYA	5.0 - 6.5
IMPATIENS	5.5 - 6.5
IVY TREE	6.0 - 7.0
JACARANDA	5.0 - 7.5
JAPANESE SEDGE	5.0 - 6.0
JASMINUM	5.5 - 7.0
JERUSALEM CHERRY	5.0 - 6.5
JESSAMONE	5.0 - 6.0
KALANCHOE	5.0 - 7.5
KANGAROO THORN	6.0 - 8.0
KANGAROO VINE	5.0 - 6.5
LANTANA	5.5 - 7.5
LAURUS (BAY TREE)	5.0 - 6.0
LEMON PLANT	5.0 - 7.5
MIMOSA	5.0 - 7.0
MIND YOUR OWN BUSINESS	5.0 - 5.5
MONSTERA	5.0 - 6.0
MYRTLE	6.0 - 6.0
NEVER NEVER PLANT	5.0 - 6.0
NICODEMIA (INDOOR OAK)	5.0 - 6.0
NORFOLK ISLAND PINE	5.0 - 6.0
OLEANDER	6.0 - 7.0
OPLISMENUS	5.0 - 6.0
ORCHID	4.5 - 5.5
OXALIS	6.0 - 6.0
PALMS	6.0 - 7.5
PANDANUS	5.5 - 6.0
PEACOCK PLANT	5.0 - 6.0
PELLIONIA	5.0 - 6.0
PEPEROMIA	5.0 - 6.0
PHILODENDRON	5.0 - 6.0
PILEA	5.0 - 6.0
PLUMBAGO	5.5 - 6.5
PODOCARPUS	5.0 - 6.5
POINTSETTIA	5.0 - 7.5
POLYSCIAS	6.0 - 7.5
POTHOS	5.0 - 6.0
PRAYER PLANT	5.0 - 6.0
PUNICA	5.5 - 6.5
SAINSEVIERIA	4.5 - 7.0
SAXIFRAGA	6.0 - 6.0
SCINDAPSUS	5.0 - 6.0
SHRIMP PLANT	6.0 - 7.0
SPANISH BAYONET	5.0 - 7.5
SPIDER PLANT	6.0 - 7.5
SUCCULENTS	5.0 - 6.5
SYNOGONIUM	5.0 - 6.0
TOLMIEA	5.0 - 6.0
TRADESCANTIA	5.0 - 6.0
UMBRELLA TREE	5.0 - 7.5
VENUS FLYTRAP	4.0 - 5.0
WEEPING FIG	5.0 - 6.0
YUCCA	6.0 - 7.5
ZEBRINA	5.0 - 6.0
FLOWERS, TREES AND SHRUBS	
ABELIA	5.0 - 6.0
ACACIA	6.0 - 6.0
ACANTHUS	6.0 - 7.0
ACONITUM	5.0 - 6.0
ADONIS	6.0 - 6.0
AGERATUM	6.0 - 7.5
AILANTHUS	6.0 - 7.5
AJUGA	4.0 - 6.0
ALTHEA	5.5 - 7.5
ALYSSUM	6.0 - 7.5
AMARANTHUS	6.0 - 6.5
ANCHUSA	5.0 - 7.5
ANDROSACE	5.0 - 6.0
ANEMONE	5.0 - 7.5
ANTHYLLIS	5.0 - 6.0
ARBUTUS	4.5 - 6.0
ARENARIA	6.0 - 8.0
ARISTEA	6.0 - 7.5
ARMERIA	6.0 - 7.5
ARNICA	5.0 - 6.5

NAME	pH
FLOWERS, TREES AND SHRUBS	
ASPERULA	5.0 - 8.0
ASPHODELINE	5.0 - 8.0
ASTER	5.5 - 7.5
AUBRIETA	6.0 - 7.5
AZALEA	4.5 - 6.0
BALLOON FLOWER	6.0 - 6.5
BAYBERRY	4.0 - 6.0
BERGENIA	6.0 - 7.5
BLEEDING HEART	6.0 - 7.5
BLUEBELL	6.0 - 7.5
BROOM	5.0 - 6.0
BUDDLEIA	6.0 - 7.0
BUPHTHALUM	6.0 - 8.0
BUTTERFLY BUSH	4.0 - 6.0
CALENDULA	5.5 - 7.0
CAMASSIA	6.0 - 8.0
CANDYTUFT	6.0 - 7.5
CANNA	6.0 - 8.0
CANTERBURY BELLS	7.0 - 7.5
CARDINAL FLOWER	4.0 - 6.0
CARNATION	6.0 - 7.5
CATALPA	6.0 - 8.0
CELOSIA	6.0 - 7.0
CENTAUREA	5.0 - 8.5
CERASTIUM	6.0 - 7.0
CHRYSANTHEMUM	6.0 - 7.0
CISSUS	6.0 - 7.5
CISTUS	6.0 - 7.5
CLARKIA	6.0 - 6.5
CLIANTHUS	6.0 - 7.5
CLEMATIS	5.5 - 7.0
COLCHICUM	5.5 - 8.5
COLUMBINE	6.0 - 7.0
CONVOLVULUS	6.0 - 8.0
COREOPSIS	5.0 - 6.0
CORONILLA	6.0 - 7.5
CORYDALIS	6.0 - 8.0
COSMOS	5.0 - 8.0
COTONEASTER	6.0 - 8.0
CRAB APPLE	6.0 - 7.5
CROCUS	6.0 - 8.0
CYNOGLOSSUM	6.0 - 7.5
DAFFODIL	6.0 - 6.5
DAHLIA	6.0 - 7.5
DAY LILY	6.0 - 8.0
DELPHINIUM	6.0 - 7.5
DEUTZIA	6.0 - 7.5
DIANTHUS	6.0 - 7.5
DOGWOOD	5.0 - 7.0
EDELWEISS	6.5 - 7.5
ELAEAGNUS	5.0 - 7.5
ENKIANTHUS	5.0 - 6.0
ERICA	4.5 - 6.0
EUPHORBIA	6.0 - 7.0
EVERLASTINGS	5.0 - 6.0
FIRETHORN	6.0 - 8.0
FORGET-ME-NOTS	6.0 - 7.0
FORSYTHIA	6.0 - 8.0
FOXGLOVE	6.0 - 7.5
FRITILLARIA	6.0 - 7.5
FUCHSIA	5.5 - 7.5
GAILLARDIA	5.0 - 7.5
GAZANIA	5.5 - 7.0
GENTIANA	5.0 - 7.5
GEUM	6.0 - 7.5
GLADIOLI	6.0 - 7.5
GLOBULARIA	5.5 - 7.0
GODETIA	6.0 - 7.5
GOLDEN ROD	5.0 - 7.0
GYPSOPHILIA	6.0 - 7.5
HAWTHORN	6.0 - 7.0
HEATHER	4.0 - 6.5
HELIANTHUS	5.0 - 7.5
HELLEBORUS	6.0 - 7.5
HOLLY	5.0 - 6.5
HOLLYHOCK	6.0 - 7.5
HONEYSUCKLE	6.0 - 7.5
HYACINTH	6.5 - 7.5
HYDRANGEA (Blue)	4.0 - 5.0
HYDRANGEA (Pink)	6.0 - 7.0
HYDRANGEA (White)	6.0 - 8.0
HYPERICUM	5.5 - 7.0
IRIS	5.0 - 6.5
IVY	6.0 - 7.5
JUNIPER	5.0 - 6.5
KALMIA	4.5 - 6.0
KERRIA	6.0 - 7.0
LABURNUM	6.0 - 7.0

NAME	pH
FLOWERS, TREES AND SHRUBS	
LAUREL	6.5 - 7.5
LAVENDER	6.5 - 7.5
LIATRIS	6.0 - 7.5
LIGUSTRUM	5.0 - 7.5
LILAC	6.0 - 7.5
LILY OF THE VALLEY	4.5 - 6.0
LITHOSPERMUM	5.0 - 6.0
LOBELIA	6.5 - 7.5
LUPINUS	6.5 - 7.0
MAGNOLIA	5.0 - 6.0
MAHONIA	6.0 - 7.0
MARIGOLD	6.5 - 7.0
MOLINIA	4.0 - 5.0
MORAEA	5.5 - 6.5
MORNING GLORY	6.0 - 7.5
MOSS	6.0 - 8.0
MOSS, SPHAGNUM	3.5 - 5.0
MYOSOTIS	6.0 - 7.0
NARCISSUS	6.0 - 6.5
NASTURTIUM	6.5 - 7.5
NICOTIANA	5.5 - 6.5
PACHYSANDRA	5.0 - 6.0
PAEONIA	6.0 - 7.5
PANSY	6.5 - 7.0
PASSION FLOWER	6.0 - 9.0
PASQUE FLOWER	6.0 - 6.0
PAULOWNIA	6.0 - 8.0
PENSTEMON	5.5 - 7.0
PERIWINKLE	6.0 - 7.5
PETUNIA	6.0 - 7.5
PINKS	6.0 - 7.5
POLYGONUM	6.0 - 7.5
POLYANTHUS	6.0 - 7.5
POPPY	6.0 - 7.5
PORTULACA	6.5 - 7.5
PRIMROSE	5.5 - 6.5
PRIMULA	6.0 - 7.0
PRIVET	5.0 - 7.5
PRUNELLA	6.0 - 7.5
PRUNUS	6.5 - 7.5
PYRETHRUM	6.0 - 7.0
RED HOT POKER	6.0 - 7.5
RHODODENDRON	4.5 - 6.0
ROSES:	
HYBRID TEA	6.5 - 7.0
CLIMBING	6.0 - 7.0
RAMBLING	5.5 - 7.0
SALVIA	6.0 - 7.5
SCABIOSA	5.0 - 7.0
SEDUM	6.0 - 7.0
SNAPDRAGON	5.5 - 7.0
SNOWDROP	6.0 - 8.0
SOAPWORT	6.0 - 7.5
SPEEDWELL	6.0 - 6.5
SPIRAEA	6.0 - 7.0
SPRUCE	4.0 - 5.0
STOCK	6.0 - 7.5
STONECROP	6.5 - 7.0
SUMACK	5.0 - 6.5
SUNFLOWER	5.0 - 7.0
SWEET PEA	6.0 - 7.5
SWEET WILLIAM	6.0 - 7.5
TAMARIX	6.0 - 8.0
TRILLIUM	5.0 - 6.5
TULIP	6.0 - 7.0
VIBERNUM	5.0 - 7.5
VIOLA	6.0 - 6.0
VIRGINIA CREEPER	5.0 - 7.5
WALLFLOWER	6.5 - 7.5
WATER LILY	5.5 - 6.5
WEIGELIA	6.0 - 7.0
WISTARIA	6.0 - 6.0
ZINNIA	5.5 - 7.5
TURF AND ORNAMENTAL GRASSES	
BAHAI	6.0 - 7.0
BENT	5.5 - 6.5
BERMUDA	6.0 - 7.0
CANADA BLUE	4.0 - 6.4
CLOVER	6.0 - 7.0
KENTUCKY BLUE	6.0 - 7.5
MEADOW	6.0 - 7.5
PAMPAS	6.0 - 8.0
RED TOP	6.0 - 6.5
RYE	6.0 - 7.0
ST. AUGUSTINE	6.5 - 7.5
TALL FESCUE	6.0 - 7.0
VELVET BENT	5.0 - 6.0
ZOYSIA	6.0 - 7.0

Soil Test Kit Questions and Answers

Question: I tested my soil, the pH test worked, but the rest of the results are clear. What's wrong?

1. An error has been made in the testing process.
2. Nutrient levels are too low for the test to indicate.
3. The capsules have absorbed too much moisture prior to being used. The reaction has already occurred within the capsule itself.

Question: My pH test result came out dark blue, there is no blue on the pH color chart.

1. The water being used to perform the test is alkaline. Recommend distilled water for the testing process.
2. The soil pH is higher than 7.5. The color results change from greens to blues to purples as the pH rises.

Question: I got results on all but the Nitrogen portion of the kit.

1. Nitrogen leaches out of the soil very quickly, especially in sandy soil.
2. The form of Nitrogen the kit tests for is Nitrate, the form used by plants. Nitrate is formed through the natural Nitrogen cycle within the soil. It is possible to have Nitrogen present in the soil in a non-testable form.

Question: I tested fertilizer with the kit and still got no reaction!

The kit detects only the form of the nutrient used by the plant. These nutrients must break down to the form tested for, through the natural bacterial action and decay processes in the soil. In most cases fertilizers will not test correctly.

Question: I fertilized my soil as recommended in your instructions and then re-tested. My readings didn't change.

Because the nutrients need to break down, we recommend two to four weeks between fertilizing and re-testing.

Question: My soil will not settle to the bottom in the soil/water solution I've mixed.

Although the directions read the soil and water should settle for at least 10 minutes before proceeding, there is no harm in letting the soil settle much longer. Suggest the consumer mix the soil and water the evening or even the day before testing. Some vary fine clay soil will not settle. For these few homeowners, the kit will not work.

Question: The testing capsule didn't dissolve.

The capsules must be opened and the testing powder poured into the test tube. There isn't enough water present to dissolve the capsule.

Question: The color result I got doesn't match any on the color chart.

1. If the result is the same "color" but a different "shade" it's a matter of a judgment decision between the different nutrient levels.
2. The consumer may have inadvertently used the wrong capsule for the test in question.

In most cases we offer to send the consumer additional reagent capsules for re-testing. If an error was made in the first testing process, it's generally corrected the second time through.

HoldAll®
Decorative Plant Accessories

40 TESTS
DIRECTIONS INSIDE

SOIL TEST KIT

Tests Your Soil for a Healthy Garden

• pH • Nitrogen(N) • Phosphorus(P) • Potassium(K) •

WHY TEST YOUR SOIL?

Plants need food (nutrients) for healthy growth. Nitrogen, Phosphorus and Potash (N, P and K for short), play a vital role in plant growth just as vitamins, minerals, carbohydrates and protein do in our health.

HOW TO TEST YOUR SOIL

For the new and experienced soil testers alike, you will appreciate this easy, fast and fun way to achieve better growing results from your gardening efforts!

Everything is color-coded, including the tubes and capsules. All you do is take a sample of soil, mix with water, add powder from capsule, shake and watch the color develop. Then, note your test results. Fast, easy and it only takes a few minutes!

WHEN TO TEST YOUR SOIL

Soil should be tested periodically throughout the growing season, but it is especially recommended to test before planting in Spring and when preparing beds in Fall. And, if you feel your plants are not growing well, a soil test may help.

Included in the kit are:

40 test capsules, 10 each for pH, N, P and K, Four (4) Color-coded Test Tubes, Test Tube Storage Dock, complete instructions for adjusting soil pH, fertilization guidelines and pH preference list for over 450 plants for the home, yard and garden.

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2711 International St., Columbus, OH 43228
www.parasolproducts.com
Assembled in USA from Foreign and Domestic parts.

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Appendix L

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 462416

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 462416
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nKJ1534531959**
Incident Name	**NKJ1534531959 2015 MAJOR ARPA SWS @ 30-025-42630**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-025-42630] BLACK MAMBA 15 STATE COM #008H**

Location of Release Source	
Site Name	*Unavailable.*
Date Release Discovered	**12/11/2015**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	14,775
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/20/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.
Please provide any information necessary for navigation to sampling site	From the intersection San Simon Rd and Sasimo, head north on San Simon Rd for 1.4 miles, then turn left and continue for 5.5 miles to arrive at the provided GPS coordinates (32.368610, -103.521860)

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

CONDITIONS

Action 462416

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 462416
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/14/2025

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

QUESTIONS

Action 462418

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 462418
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nKJ1534531959**
Incident Name	**NKJ1534531959 2015 MAJOR ARPA SWS @ 30-025-42630**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-025-42630] BLACK MAMBA 15 STATE COM #008H**

Location of Release Source	
Site Name	*Unavailable.*
Date Release Discovered	**12/11/2015**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	14,775
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/21/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.
Please provide any information necessary for navigation to sampling site	From the intersection San Simon Rd and Sasimo, head north on San Simon Rd for 1.4 miles, then turn left and continue for 5.5 miles to arrive at the provided GPS coordinates (32.368610, -103.521860)

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

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 462418
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/14/2025

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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 462462

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 462462
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nKJ1534531959**
Incident Name	**NKJ1534531959 2015 MAJOR ARPA SWS @ 30-025-42630**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-025-42630] BLACK MAMBA 15 STATE COM #008H**

Location of Release Source	
Site Name	*Unavailable.*
Date Release Discovered	**12/11/2015**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	14,775
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/22/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.
Please provide any information necessary for navigation to sampling site	From the intersection San Simon Rd and Sasimo, head north on San Simon Rd for 1.4 miles, then turn left and continue for 5.5 miles to arrive at the provided GPS coordinates (32.368610, -103.521860)

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

CONDITIONS

Action 462462

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 462462
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/14/2025

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

QUESTIONS

Action 466779

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 466779
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nKJ1534531959**
Incident Name	**NKJ1534531959 2015 MAJOR ARPA SWS @ 30-025-42630**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-025-42630] BLACK MAMBA 15 STATE COM #008H**

Location of Release Source	
Site Name	*Unavailable.*
Date Release Discovered	**12/11/2015**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	14,775
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/29/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.
Please provide any information necessary for navigation to sampling site	From the intersection San Simon Rd and Sasimo, head north on San Simon Rd for 1.4 miles, then turn left and continue for 5.5 miles to arrive at the provided GPS coordinates (32.368610, -103.521860)

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

General Information
Phone: (505) 629-6116

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

CONDITIONS

Action 466779

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 466779
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/23/2025

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Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

QUESTIONS

Action 466780

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 466780
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nKJ1534531959**
Incident Name	**NKJ1534531959 2015 MAJOR ARPA SWS @ 30-025-42630**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-025-42630] BLACK MAMBA 15 STATE COM #008H**

Location of Release Source	
Site Name	*Unavailable.*
Date Release Discovered	**12/11/2015**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	14,775
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/30/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.
Please provide any information necessary for navigation to sampling site	From the intersection San Simon Rd and Sasimo, head north on San Simon Rd for 1.4 miles, then turn left and continue for 5.5 miles to arrive at the provided GPS coordinates (32.368610, -103.521860)

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 466780

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 466780
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/23/2025

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

General Information
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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 468047

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 468047
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nKJ1534531959**
Incident Name	**NKJ1534531959 2015 MAJOR ARPA SWS @ 30-025-42630**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-025-42630] BLACK MAMBA 15 STATE COM #008H**

Location of Release Source	
Site Name	*Unavailable.*
Date Release Discovered	**12/11/2015**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	14,775
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/02/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.
Please provide any information necessary for navigation to sampling site	From the intersection San Simon Rd and Sasimo, head north on San Simon Rd for 1.4 miles, then turn left and continue for 5.5 miles to arrive at the provided GPS coordinates (32.368610, -103.521860)

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

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

CONDITIONS

Action 468047

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 468047
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/28/2025

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

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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 473408

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 473408
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nKJ1534531959**
Incident Name	**NKJ1534531959 BLACK MAMBA 15 STATE COM #008H @ 30-025-42630**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-025-42630] BLACK MAMBA 15 STATE COM #008H**

Location of Release Source	
Site Name	**BLACK MAMBA 15 STATE COM #008H**
Date Release Discovered	**12/11/2015**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	14,775
What is the estimated number of samples that will be gathered	33
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/19/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.
Please provide any information necessary for navigation to sampling site	From the intersection San Simon Rd and Sasimo, head north on San Simon Rd for 1.4 miles, then turn left and continue for 5.5 miles to arrive at the provided GPS coordinates (32.368610, -103.521860)

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

CONDITIONS

Action 473408

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 473408
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/11/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	6/11/2025

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

Action 503379

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 503379
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nKJ1534531959**
Incident Name	**NKJ1534531959 BLACK MAMBA 15 STATE COM #008H @ 30-025-42630**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-025-42630] BLACK MAMBA 15 STATE COM #008H**

Location of Release Source	
Site Name	**BLACK MAMBA 15 STATE COM #008H**
Date Release Discovered	**12/11/2015**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,106
What is the estimated number of samples that will be gathered	7
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/10/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.
Please provide any information necessary for navigation to sampling site	From the intersection San Simon Rd and Sasimo, head north on San Simon Rd for 1.4 miles, then turn left and continue for 5.5 miles to arrive at the provided GPS coordinates (32.368610, -103.521860)

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

General Information
Phone: (505) 629-6116

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

CONDITIONS

Action 503379

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 503379
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/5/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/5/2025

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Phone: (505) 476-3441

General Information
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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 468040

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 468040
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nKJ1535733981**
Incident Name	**NKJ1535733981 2015 MAJOR ARPA SWS @ 30-025-42631**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-025-42631] BLACK MAMBA 15 STATE COM #009H**

Location of Release Source	
Site Name	*Unavailable.*
Date Release Discovered	**12/23/2015**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	21,017
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/02/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.
Please provide any information necessary for navigation to sampling site	From the intersection San Simon Rd and Sasimo, head north on San Simon Rd for 1.4 miles, then turn left and continue for 7.0 miles. to arrive at the provided GPS coordinates (32.35651, -103.54121)

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 468040

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 468040
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/28/2025

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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 468041

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 468041
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nKJ1535733981**
Incident Name	**NKJ1535733981 2015 MAJOR ARPA SWS @ 30-025-42631**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-025-42631] BLACK MAMBA 15 STATE COM #009H**

Location of Release Source	
Site Name	*Unavailable.*
Date Release Discovered	**12/23/2015**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	21,017
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/03/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.
Please provide any information necessary for navigation to sampling site	From the intersection San Simon Rd and Sasimo, head north on San Simon Rd for 1.4 miles, then turn left and continue for 7.0 miles. to arrive at the provided GPS coordinates (32.35651, -103.54121)

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

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

CONDITIONS

Action 468041

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 468041
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/28/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 468042

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 468042
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nKJ1535733981**
Incident Name	**NKJ1535733981 2015 MAJOR ARPA SWS @ 30-025-42631**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-025-42631] BLACK MAMBA 15 STATE COM #009H**

Location of Release Source	
Site Name	*Unavailable.*
Date Release Discovered	**12/23/2015**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	21,017
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/04/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.
Please provide any information necessary for navigation to sampling site	From the intersection San Simon Rd and Sasimo, head north on San Simon Rd for 1.4 miles, then turn left and continue for 7.0 miles. to arrive at the provided GPS coordinates (32.35651, -103.54121)

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 468042

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 468042
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/28/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 473405

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 473405
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nKJ1535733981**
Incident Name	**NKJ1535733981 BLACK MAMBA 15 STATE COM #009H @ 30-025-42631**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-025-42631] BLACK MAMBA 15 STATE COM #009H**

Location of Release Source	
Site Name	**BLACK MAMBA 15 STATE COM #009H**
Date Release Discovered	**12/23/2015**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	21,017
What is the estimated number of samples that will be gathered	33
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/19/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.
Please provide any information necessary for navigation to sampling site	From the intersection San Simon Rd and Sasimo, head north on San Simon Rd for 1.4 miles, then turn left and continue for 7.0 miles. to arrive at the provided GPS coordinates (32.35651, -103.54121)

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

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 473405
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/11/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	6/11/2025

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

General Information
Phone: (505) 629-6116

Online Phone Directory
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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 503390

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 503390
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nKJ1535733981**
Incident Name	**NKJ1535733981 BLACK MAMBA 15 STATE COM #009H @ 30-025-42631**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-025-42631] BLACK MAMBA 15 STATE COM #009H**

Location of Release Source	
Site Name	**BLACK MAMBA 15 STATE COM #009H**
Date Release Discovered	**12/23/2015**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	4,566
What is the estimated number of samples that will be gathered	25
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/11/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.
Please provide any information necessary for navigation to sampling site	From the intersection San Simon Rd and Sasimo, head north on San Simon Rd for 1.4 miles, then turn left and continue for 7.0 miles. to arrive at the provided GPS coordinates (32.35651, -103.54121)

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

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Phone: (505) 629-6116

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

CONDITIONS

Action 503390

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 503390
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/5/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/5/2025

Erick Herrera

From: Knight, Tami C. <tknight@nmslo.gov>
Sent: Friday, June 6, 2025 8:52 AM
To: Erick Herrera; Wells, Shelly, EMNRD
Cc: Raley, Jim; NM TX Geo Group; Bisbey-Kuehn, Elizabeth A.; Griffin, Becky R.; David, Deon W.
Subject: RE: [EXTERNAL] Devon Energy Sampling Variance Request - Black Mamba 15 State Com #008 Incident Number (nKJ154531959), and Black Mamba 15 State Com #009 Incident Number (nKJ1535733981)

Erick

ECO will agree to the sampling variance for this project only due to the lack of sensitive receptors nearby.

Tami Knight, CHMM
Environmental Specialist
Environmental Compliance Office
505.670 1638
New Mexico State Land Office
tknight@nmslo.gov
nmstatelands.org

NMSLO is closed June 19.

……
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From: Erick Herrera <erick@etechenv.com>
Sent: Thursday, June 5, 2025 10:15 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Raley, Jim <jim.raley@dvn.com>; NM TX Geo Group <NMTXGeoGroup@etechenv.com>; SLO Spills <spills@nmslo.gov>
Subject: RE: [EXTERNAL] Devon Energy Sampling Variance Request - Black Mamba 15 State Com #008 Incident Number (nKJ154531959), and Black Mamba 15 State Com #009 Incident Number (nKJ1535733981)

Hi Shelly,

It would be nKJ1534531959. I accidentally missed a number for that one.

Thanks,

Erick Herrera
Lead Project Geologist/GIS Manager
Etech Environmental & Safety Solutions, Inc.
W: (432) 305-6416
C: (281) 777-4152

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, June 5, 2025 11:08 AM
To: Erick Herrera <erick@etechenv.com>
Cc: Raley, Jim <jim.raley@dvn.com>; NM TX Geo Group <NMTXGeoGroup@etechenv.com>; eco@slo.state.nm.us
Subject: RE: [EXTERNAL] Devon Energy Sampling Variance Request - Black Mamba 15 State Com #008 Incident Number (nKJ154531959), and Black Mamba 15 State Com #009 Incident Number (nKJ1535733981)

Good morning Erick,

Before I can forward this to correct reviewer, what incident number are you referring to for Black Mamba 15 State Com #008 Incident Number (nKJ154531959)?

Sincerely,

Shelly

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

From: Erick Herrera <erick@etechenv.com>
Sent: Thursday, June 5, 2025 9:44 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; eco@slo.state.nm.us
Cc: Raley, Jim <jim.raley@dvn.com>; NM TX Geo Group <NMTXGeoGroup@etechenv.com>
Subject: [EXTERNAL] Devon Energy Sampling Variance Request - Black Mamba 15 State Com #008 Incident Number (nKJ154531959), and Black Mamba 15 State Com #009 Incident Number (nKJ1535733981)

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

Good morning,

On behalf of Devon Energy Production Company, LP (Devon), attached you will find the cover letter with the sampling variance request information for the Black Mamba 15 State Com #008 Incident Number (nKJ154531959), and Black Mamba 15 State Com #009 Incident Number (nKJ1535733981) for your review. Due to the large, combined area of concerns approximately (12,586 square feet), Devon, requests a sampling variance for 5-point composite confirmation soil samples to represent a maximum of 400 square feet per soil sample collected from the area of concern. As such, 33 confirmation soil samples are anticipated to be collected, compared to the 65 soil samples utilizing a sampling frequency of 200 square feet. Lateral/edge confirmation soil samples will still be collected at a sampling frequency representing no

more than 200 square feet per soil sample. Confirmation soil samples will be submitted to an accredited laboratory for analysis of BTEX (Method EPA 8260B), TPH (Method EPA 8015D) and chloride (Method EPA 300.0).

Please let me now if you have any questions or require any additional information.

Thanks,

Erick Herrera
Lead Project Geologist/GIS Manager
Etech Environmental & Safety Solutions, Inc.
W: (432) 305-6416
C: (281) 777-4152

Erick Herrera

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, June 5, 2025 11:35 AM
To: Erick Herrera
Cc: Raley, Jim; NM TX Geo Group; eco@slo.state.nm.us; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] Devon Energy Sampling Variance Request - Black Mamba 15 State Com #008 Incident Number (nKJ154531959), and Black Mamba 15 State Com #009 Incident Number (nKJ1535733981)

Hi Erick,

The variance request is approved to collect bottom confirmation samples at a frequency no greater than every 400 ft2. Sidewall samples must be collected no more than every 200 ft2. OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

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

From: Erick Herrera <erick@etechenv.com>
Sent: Thursday, June 5, 2025 10:15 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Raley, Jim <jim.raley@dvn.com>; NM TX Geo Group <NMTXGeoGroup@etechenv.com>; eco@slo.state.nm.us
Subject: RE: [EXTERNAL] Devon Energy Sampling Variance Request - Black Mamba 15 State Com #008 Incident Number (nKJ154531959), and Black Mamba 15 State Com #009 Incident Number (nKJ1535733981)

Hi Shelly,

It would be nKJ1534531959. I accidentally missed a number for that one.

Thanks,

Erick Herrera
Lead Project Geologist/GIS Manager
Etech Environmental & Safety Solutions, Inc.
W: (432) 305-6416
C: (281) 777-4152

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, June 5, 2025 11:08 AM
To: Erick Herrera <erick@etechenv.com>
Cc: Raley, Jim <jim.raley@dvn.com>; NM TX Geo Group <NMTXGeoGroup@etechenv.com>; eco@slo.state.nm.us
Subject: RE: [EXTERNAL] Devon Energy Sampling Variance Request - Black Mamba 15 State Com #008 Incident Number (nKJ154531959), and Black Mamba 15 State Com #009 Incident Number (nKJ1535733981)

Good morning Erick,

Before I can forward this to correct reviewer, what incident number are you referring to for Black Mamba 15 State Com #008 Incident Number (nKJ154531959)?

Sincerely,

Shelly

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

From: Erick Herrera <erick@etechenv.com>
Sent: Thursday, June 5, 2025 9:44 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; eco@slo.state.nm.us
Cc: Raley, Jim <jim.raley@dvn.com>; NM TX Geo Group <NMTXGeoGroup@etechenv.com>
Subject: [EXTERNAL] Devon Energy Sampling Variance Request - Black Mamba 15 State Com #008 Incident Number (nKJ154531959), and Black Mamba 15 State Com #009 Incident Number (nKJ1535733981)

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

Good morning,

On behalf of Devon Energy Production Company, LP (Devon), attached you will find the cover letter with the sampling variance request information for the Black Mamba 15 State Com #008 Incident Number (nKJ154531959), and Black Mamba 15 State Com #009 Incident Number (nKJ1535733981) for your review. Due to the large, combined area of concerns approximately (12,586 square feet), Devon, requests a sampling variance for 5-point composite confirmation soil samples to represent a maximum of 400 square feet per soil sample collected from the area of concern. As such, 33 confirmation soil samples are anticipated to be collected, compared to the 65 soil samples utilizing a sampling frequency of 200 square feet. Lateral/edge confirmation soil samples will still be collected at a sampling frequency representing no

more than 200 square feet per soil sample. Confirmation soil samples will be submitted to an accredited laboratory for analysis of BTEX (Method EPA 8260B), TPH (Method EPA 8015D) and chloride (Method EPA 300.0).

Please let me now if you have any questions or require any additional information.

Thanks,

Erick Herrera
Lead Project Geologist/GIS Manager
Etech Environmental & Safety Solutions, Inc.
W: (432) 305-6416
C: (281) 777-4152

Erick Herrera

From: Knight, Tami C. <tknight@slo.state.nm.us>
Sent: Tuesday, August 27, 2024 10:16 AM
To: Erick Herrera
Cc: Raley, Jim; Devon-Team
Subject: ncident Numbers nKJ1534531959, nJXK1534548184, and nKJ1535733981 REclamation plan approved

Erick

Thank you for the addendum. The reclamation plan for the subject release areas has been approved.

Tami Knight, CHMM
Environmental Specialist
NMSLO SRD-ECO
505.670.1638
tknight@slo.state.nm.us
nmstatelands.org

OUT OF OFFICE NOTICE: Aug 30-Sept 1 and Sept 13-20

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From: Erick Herrera <erick@etechenv.com>
Sent: Wednesday, July 24, 2024 12:15 PM
To: Knight, Tami C. <tknight@slo.state.nm.us>
Cc: Raley, Jim <jim.raley@dvn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] RE: Confirmation of RWP Submission Black Mamba 15 State Com #008H and Black Mamba 15 State Com #009H Incident Numbers nKJ1534531959, nJXK1534548184, and nKJ1535733981

Hi Tami,

On behalf of Devon, please find the supplemental Reclamation Plan below and supporting documents attached for the Black Mamba 15 State Com #008H and Black Mamba 15 State Com #009H (Site) for Incident Numbers nKJ1534531959, nJXK1534548184, and nKJ1535733981.

Upon receipt of laboratory analytical results, the areas that don't meet reclamation standards of 600 mg/kg chloride and 100 mg/kg TPH within the top 4 feet will be excavated following remediation pursuant to NMAC 19.15.17.13. Etech will conduct confirmation soil sampling to confirm that residual impacts have been removed. Soil samples will be sent to an accredited lab and analyzed for BTEX, TPH and chloride. The final soil cover will be re-contoured to match the Site's pre-

existing grade to prevent ponding of water and erosion. State Land Office (SLO) Sandy Loam Site Seed Mixture will be hand-broadcasted over the entire disturbed area in the next favorable growing season following the provided revegetation techniques. The selected seed blend will provide the maximum results of vegetation regrowth and ground surface coverage to match pre-existing conditions at the Site.

Following reclamation activities, the Site will be assessed quarterly for one year to ensure the Best Management Practices (BMPs) are working effectively and are subject to re-evaluation, if BMPs appear ineffective or damaged. The Site will be evaluated for vegetative re-growth approximately 1 year following the seeding application and every year thereafter, until established vegetative growth matches the surrounding native vegetation density.

As such, Devon respectfully requests SLO to consider approval of this Reclamation Plan in conjunction with the Remediation Work Plan report. Please let me know if you have any questions regarding this Reclamation Plan or require any additional information.

Thank you,

Erick Herrera
Project Geologist

eTECH Environmental & Safety Solutions, Inc.
Work: (432) 305-6416
Cell: (281) 777-4152

From: Knight, Tami C. <tknight@slo.state.nm.us>
Sent: Wednesday, July 24, 2024 11:32 AM
To: Erick Herrera <erick@etechenv.com>
Cc: Raley, Jim <jim.raley@dvn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: RE: Confirmation of RWP Submission Black Mamba 15 State Com #008H and Black Mamba 15 State Com #009H Incident Numbers nKJ1534531959, nJXK1534548184, and nKJ1535733981

I apologize…I hit send too soon. The old remediation plan does not address reclamation of State Trust Land. Please provide an addendum, email response is fine, that documents how the remediation areas will be reclaimed.

Thank you

Tami

From: Knight, Tami C.
Sent: Wednesday, July 24, 2024 10:31 AM
To: Erick Herrera <erick@etechenv.com>
Cc: Raley, Jim <jim.raley@dvn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: RE: Confirmation of RWP Submission Black Mamba 15 State Com #008H and Black Mamba 15 State Com #009H Incident Numbers nKJ1534531959, nJXK1534548184, and nKJ1535733981

Erick

Please ensure the remediation closure report documents applicability compliance with the Cultural Properties Protection Rule and working in biologically sensitive areas. Please be sure to send confirmation sampling notifications to ECO when you submit them to NMOCD.

Tami Knight, CHMM
Environmental Specialist
NMSLO SRD-ECO
505.670.1638
tknight@slo.state.nm.us
nmstatelands.org

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From: Erick Herrera <erick@etechenv.com>
Sent: Tuesday, July 2, 2024 11:54 AM
To: Knight, Tami C. <tknight@slo.state.nm.us>
Cc: Raley, Jim <jim.raley@dvn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] RE: Confirmation of RWP Submission Black Mamba 15 State Com #008H and Black Mamba 15 State Com #009H Incident Numbers nKJ1534531959, nJXK1534548184, and nKJ1535733981

Yes, we are following the current reclamation standards. We reviewed all the existing data and removing anything in the top 4 feet over 100/600.

Thanks,

Erick Herrera
Project Geologist

Work: (432) 305-6416
Cell: (281) 777-4152

From: Knight, Tami C. <tknight@slo.state.nm.us>
Sent: Tuesday, July 2, 2024 12:48 PM
To: Erick Herrera <erick@etechenv.com>
Cc: Raley, Jim <jim.raley@dvn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: RE: Confirmation of RWP Submission Black Mamba 15 State Com #008H and Black Mamba 15 State Com #009H Incident Numbers nKJ1534531959, nJXK1534548184, and nKJ1535733981

Thank you, so all work will be followed the NMOCD approved workplans…that approval is old, so just double checking.

Note, ECO will require all remediation and reclamation occurring off-pad and on/off ROWs to meet the most stringent standards of the current rules for remediation and reclamation. (<50 mg/kg BTEX, <100 mg/kg TPH, and <600 mg/kg chloride for upper 4 feet).

Tami

From: Erick Herrera <erick@etechenv.com>
Sent: Tuesday, July 2, 2024 11:44 AM
To: Knight, Tami C. <tknight@slo.state.nm.us>
Cc: Raley, Jim <jim.raley@dvn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] RE: Confirmation of RWP Submission Black Mamba 15 State Com #008H and Black Mamba 15 State Com #009H Incident Numbers nKJ1534531959, nJXK1534548184, and nKJ1535733981

Hi Tami,

Black Mamba 15 State Com #008H and Black Mamba 15 State Com #009H for Incident Numbers (nKJ1534531959 and nKJ1535733981) on the right of ways are pending an ROE, while Black Mamba 15 State Com #008 for Incident Number (nJXK1534548184) has been delineated recently, an ROE has been filed, and we are currently setting up excavation plans for it.

Thanks,

Erick Herrera
Project Geologist

Work: (432) 305-6416
Cell: (281) 777-4152

From: Knight, Tami C. <tknight@slo.state.nm.us>
Sent: Tuesday, July 2, 2024 11:48 AM
To: Erick Herrera <erick@etechenv.com>
Cc: Raley, Jim <jim.raley@dvn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: RE: Confirmation of RWP Submission Black Mamba 15 State Com #008H and Black Mamba 15 State Com #009H Incident Numbers nKJ1534531959, nJXK1534548184, and nKJ1535733981

Thank you Erick. We have sampling notifications from Jan and Feb. What is the status of the remediation project?

Tami Knight, CHMM
Environmental Specialist
NMSLO SRD-ECO
505.670.1638

tknight@slo.state.nm.us
nmstatelands.org

OUT OF OFFICE NOTICE: July 3 – 5, 2024

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From: Erick Herrera <erick@etechenv.com>
Sent: Wednesday, June 26, 2024 2:36 PM
To: SLO Spills <spills@slo.state.nm.us>
Cc: Knight, Tami C. <tknight@slo.state.nm.us>; Raley, Jim <jim.raley@dvn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] Confirmation of RWP Submission Black Mamba 15 State Com #008H and Black Mamba 15 State Com #009H Incident Numbers nKJ1534531959, nJXK1534548184, and nKJ1535733981

Good afternoon,

Please find an NMOCD approved Remediation Workplan (RWP) for three separate historical produced water releases (Incident/Order Numbers **nKJ1534531959/1RP-4010**, **nJXK1534548184/1RP-4012**, and **nKJ1535733981/1RP-4059)** on State Land, which was approved by the NMOCD on **March 14, 2016**. The RWP was written, submitted, and approved under consideration of past guidance and standards that were in effect at the time of its approval. As part of ongoing compliance efforts and to ensure that all relevant documents are on record, on behalf of Devon Energy, Etech Environmental and Safety (Etech) wanted to confirm that this report has been submitted for NMSLO records and/or for NMSLO review.

If there are any specific procedures or requirements regarding the submission of reports approved under past guidance, please advise us accordingly to ensure compliance with the established protocols. Should you require any additional information or clarification, please do not hesitate to contact myself or anyone else on the Etech Devon-Team.

Thanks,

Erick Herrera
Staff Geologist

Work: (432) 305-6416
Cell: (281) 777-4152

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 557619

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 557619
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nKJ1534531959**
Incident Name	**NKJ1534531959 BLACK MAMBA 15 STATE COM #008H @ 30-025-42630**
Incident Type	**Produced Water Release**
Incident Status	**Reclamation Report Received**
Incident Well	**[30-025-42630] BLACK MAMBA 15 STATE COM #008H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BLACK MAMBA 15 STATE COM #008H
Date Release Discovered	12/04/2015
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Flow Line - Injection | Produced Water | Released: 35 BBL | Recovered: 0 BBL | Lost: 35 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 557619
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 03/02/2026

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

General Information
Phone: (505) 629-6116

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 557619
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	10700
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
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	09/10/2025
On what date will (or did) the final sampling or liner inspection occur	09/11/2025
On what date will (or was) the remediation complete(d)	10/29/2025
What is the estimated surface area (in square feet) that will be reclaimed	5672
What is the estimated volume (in cubic yards) that will be reclaimed	106
What is the estimated surface area (in square feet) that will be remediated	5672
What is the estimated volume (in cubic yards) that will be remediated	106
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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Phone: (505) 476-3441

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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 (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 557619
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 03/02/2026
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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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 557619
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 557619
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**503379**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**09/10/2025**
What was the (estimated) number of samples that were to be gathered	**7**
What was the sampling surface area in square feet	**1106**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	5672
What was the total volume (cubic yards) remediated	106
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	5672
What was the total volume (in cubic yards) reclaimed	106
Summarize any additional remediation activities not included by answers (above)	The Sites were remediated in accordance with an approved Remediation Work Plan, ultimately removing 106 CY of residual impacted soil and has been backfilled with clean, locally sourced material, and recontoured to match the original conditions as close as possible. Backfill soil samples were collected and submitted for lab analysis for constituents of concern identified in Table I.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 03/02/2026

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 557619
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	5672
What was the total volume of replacement material (in cubic yards) for this site	106
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of 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. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	03/09/2026
Summarize any additional reclamation activities not included by answers (above)	The Sites were remediated in accordance with an approved Remediation Work Plan, ultimately removing 106 CY of residual impacted soil and has been backfilled with clean, locally sourced material, and recontoured to match the original conditions as close as possible. Backfill soil samples were collected and submitted for lab analysis for constituents of concern identified in Table I.
The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.	
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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 03/02/2026

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 557619
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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CONDITIONS

Action 557619

CONDITIONS

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	Action Number: 557619
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CONDITIONS

Created By	Condition	Condition Date
scwells	None	3/31/2026