



February 7, 2024

**New Mexico Energy Minerals and Natural Resources Department**

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

**Re: Deferral Request  
RDX Federal Com 17 #046H  
Incident Number nAPP2335444051  
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of WPX Energy Permian, LLC. (WPX), has prepared this *Deferral Request* to document assessment and soil sampling activities at the RDX Federal Com 17 #046H (Site) located in Unit C, Section 17, Township 26 South, Range 30 East, in Eddy County, New Mexico (Figure 1). The Site (32.049647°, -103.903923°) is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water within a lined secondary containment at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, WPX is submitting this *Deferral Request*, describing Site assessment and delineation activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2335444051 until the Site is reconstructed and/or the well pad is abandoned.

## **BACKGROUND**

On December 16, 2023, a coupling failed, resulting in the release of approximately 8 barrels (bbls) of produced water into the lined secondary containment. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; all 8 bbls of released produced water were recovered from within the lined containment. A 48-hour advance notice of liner inspection was provided via email to the New Mexico Oil Conservation Division (NMOCD) District II Office. A liner integrity inspection was conducted by Ensolum personnel following fluid recovery. Upon inspection, the liner was determined to be insufficient. WPX reported the release to the NMOCD via email on December 18, 2023, and submitted a Release Notification Form C-141 (Form C-141) on December 20, 2023. The release was assigned Incident Number nAPP2335444051, the Form C-141 can be referenced in the NMOCD portal.

## **SITE CHARACTERIZATION AND CLOSURE CRITERIA**

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

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Depth to groundwater at the Site is estimated to be greater than 110 feet below ground surface (bgs) based on groundwater depth measurement of a nearby water well. On December 8, 2020, a soil boring, completed by WPX (Well Name RDX Federal Com 17-44H) was drilled 236 feet north of the Site. Soil boring RDX Federal Com 17-44H was drilled to a depth of 110 feet bgs. Depth to groundwater was confirmed to be greater than 110 feet bgs as indicated on the Boring Log/Monitoring Well Completion Diagram. The Well Record and Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 0.22 miles east of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

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

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

## SITE ASSESSMENT ACTIVITIES

On December 12, 2023, Ensolum personnel visited the Site to evaluate the release extent and conducted Site assessment activities. Five assessment soil samples (SS01 through SS05) were collected outside the secondary containment at ground surface. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a PetroFLAG<sup>®</sup> Hydrocarbon Test Kit and chloride using the Mohr method titration. The soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted in Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech Analytical Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH- GRO, TPH- DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500.

On January 9, 2024, Ensolum personnel returned to the Site to conduct a liner inspection. During the inspection the liner was found to be insufficient and as such it was determined further delineation was necessary.

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## DELINEATION ACTIVITIES

On January 9, 2024, Ensolum personnel conducted delineation activities to assess for the presence or absence of impacts to soil beneath the containment. The liner was found insufficient during the liner inspection and as such, six boreholes (BH01 through BH06) were advanced in the vicinity of the holes/tears in the liner. The boreholes were advanced via hand auger to depths ranging from ground surface to 3 feet bgs and soil was field screened for VOCs and chlorides at each foot. Borehole BH05 hit refusal at a depth of 3 feet bgs due to a layer of indurated caliche and due to the presence of equipment and piping, BH05 could not be advanced to a deeper depth. Discrete delineation soil samples were collected at each foot from (BH01 through BH04 and BH06) at ground surface to 1-foot bgs and from BH05 soil samples were collected at ground surface to 3 feet bgs and submitted for laboratory analysis. The soil samples were handled and analyzed as previously described. Field screening results and observations from the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for assessment soil samples (SS01 through SS05), collected around the lined secondary containment, indicated all COC concentrations were compliant with Site Closure Criteria and the strictest Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix D.

Laboratory analytical results for the vertical delineation soil samples collected from borehole BH05 indicated TPH concentrations exceeded the Site Closure Criteria at surface level, directly beneath the tear in the liner. Results for the vertical delineation soil samples collected from boreholes, BH01 through BH04 at ground surface to 1-foot bgs, BH05 from 1-foot bgs to 3 feet bgs, and BH06 at ground surface to 1-foot bgs, indicated all COCs in soil were in compliance the Site Closure Criteria. Boreholes BH01 and BH02 do not meet the reclamation requirement for TPH and/or chloride concentration at ground surface, directly below the lined containment. BH05 also does not meet the reclamation requirement for chloride concentration at depths ranging from 1-foot bgs to 3 feet bgs; however, these sample locations do not exceed the Site Closure Criteria and are located directly beneath lined containment. This is currently an active well pad with active production equipment (tanks and associated piping) and depth to water at the Site is greater than 100 feet bgs. It is not reasonable to deconstruct the active tank battery, which includes crude oil and produced water tanks and associated flow lines, or to remove waste-containing soils inside the earthen containment, and as such, reclamation will be completed during final reclamation of the Site.

## DEFERRAL REQUEST

WPX is requesting deferral of final remediation due to the presence of active production equipment and surface pipelines within the lined containment. Impacted soil is limited to the area immediately beneath the lined containment, in the vicinity of borehole BH05, and active production equipment, where remediation would require a major facility deconstruction.

Impacted soil remaining in place beneath the liner, which is delineated vertically by delineation soil samples BH01 through BH06, collected to a maximum depth of 3 feet bgs, and laterally by surface soil samples SS01 through SS05, collected at the ground surface. A maximum of 279 cubic yards of TPH impacted soil remains in place beneath the liner assuming a maximum 1-foot depth based on the delineation soil samples listed above. Impacted soil volumes estimate include waste-containing soil volumes to be addressed through reconstruction of the containment or final pad reclamation.

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WPX does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be greater than 110 feet bgs, the release was contained laterally by the lined containment, and the impacted soil remaining in place is limited to the area immediately beneath the liner. The liner has been repaired by WPX and will restrict future vertical migration of residual impacts and any interactions with humans and/or wildlife.

Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, WPX requests deferral of final remediation for Incident Number nAPP2335444051 until final reclamation of the well pad or major construction, whichever comes first. Remedial actions completed to date have been protective of human health, the environment, and groundwater and deferment of impacted soil beneath the lined containment appears to be equally protective and warranting deferment. Notifications submitted to the NMOCD are included in Appendix E.

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

Sincerely,  
**Ensolum, LLC**

A handwritten signature in black ink, appearing to read "Chad Hamilton", with a stylized, overlapping loop at the end.

Chad Hamilton  
Staff Geologist

A handwritten signature in black ink, appearing to read "Daniel R. Moir", with a large, rounded loop at the end.

Daniel R. Moir, PG  
Senior Managing Geologist

cc: Jim Raley, WPX  
Bureau of Land Management

Appendices:

|            |  |
|------------|--|
| Figure 1   | Site Receptor Map  |
| Figure 2   | Delineation Soil Sample Locations                              |
| Figure 3   | Area of Requested Deferral                                     |
| Table 1    | Soil Sample Analytical Results                                 |
| Appendix A | Reference Well Records   |
| Appendix B | Photographic Log   |
| Appendix C | Lithographic Soil Sampling Logs                                |
| Appendix D | Laboratory Analytical Reports & Chain-of-Custody Documentation |
| Appendix E | Email Correspondence   |





FIGURES

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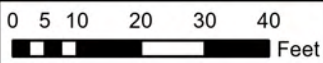


**Legend**

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Initial Concentrations Exceeding Closure Criteria



Notes:  
Sample ID @ Depth Below Ground Surface.



Sources: Environmental Systems Research Institute (ESRI)



## Delineation Soil Sample Locations

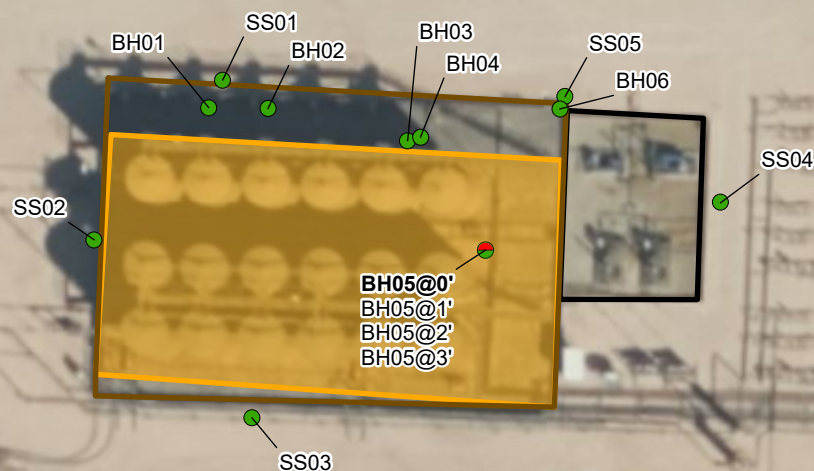
WPX Energy Permian, LLC  
RDX Federal Com 17 #046H  
Incident Number: nAPP2335444051  
Unit C, Section 17, R 26S, T 30E  
Eddy Co, New Mexico, United States

**FIGURE**

**2**

**Legend**

- Confirmation Soil Sample  
Complaint with Site  
Closure Criteria
- Confirmation Soil Sample  
Formerly Non-Complaint  
with Site Closure Criteria
- Lined Containment
- Area of Requested Deferral
- Pump Containment Area



Notes:  
 Sample ID @ Depth Below Ground Surface  
 Concentrations in **bold** exceed the NMOCD Table I Closure  
 Criteria or reclamation standard where applicable.

0 40 80  
 Feet

Sources:  
 Bing Maps



## Area of Requested Deferral

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 Incident Number: nAPP2335444051  
 Unit C, Section 17, R 26S, T 30E  
 Eddy County, New Mexico

FIGURE  
**3**



TABLES

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**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 RDX 17 Federal Com #046H  
 Devon Energy  
 Eddy County, New Mexico

| Sample Designation                                    | Date       | Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|---|------------|------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|------------------|
| <b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b> |            |                  | <b>10</b>       | <b>50</b>          | <b>NE</b>       | <b>NE</b>       | <b>NE</b>       | <b>1,000</b>    | <b>2,500</b>      | <b>20,000</b>    |
| <b>Delineation Soil Samples</b>                       |            |                  |                 |                    |                 |                 |                 |                 |                   |                  |
| SS01  | 12/28/2023 | 0                | <0.0250         | <0.0250            | <20.0           | 44.9            | <50.0           | 44.9            | 44.9              | 101              |
| SS02  | 12/28/2023 | 0                | <0.0250         | <0.0250            | <20.0           | 38.4            | <50.0           | 38.4            | 38.4              | 273              |
| SS03  | 12/28/2023 | 0                | <0.0250         | <0.0250            | <20.0           | <25.0           | <50.0           | <25.0           | <25.0             | 81.5             |
| SS04  | 12/28/2023 | 0                | <0.0250         | <0.0250            | <20.0           | <25.0           | <50.0           | <25.0           | <25.0             | <100             |
| SS05  | 12/28/2023 | 0                | <0.0250         | <0.0250            | <20.0           | <25.0           | <50.0           | <25.0           | <25.0             | 20.3             |
| BH01  | 1/9/2024   | 0                | <0.0250         | <0.0250            | <20.0           | <25.0           | <50.0           | <25.0           | <25.0             | 1,780            |
| BH01  | 1/9/2024   | 1                | <0.0250         | <0.0250            | <20.0           | <25.0           | <50.0           | <25.0           | <25.0             | 413              |
| BH02  | 1/9/2024   | 0                | <0.0250         | <0.0250            | <20.0           | <25.0           | <50.0           | <25.0           | <25.0             | 5,940            |
| BH02  | 1/9/2024   | 1                | <0.0250         | <0.0250            | <20.0           | <25.0           | <50.0           | <25.0           | <25.0             | 295              |
| BH03  | 1/9/2024   | 0                | <0.0250         | <0.0250            | <20.0           | 370             | 275             | 370             | 645               | 283              |
| BH03  | 1/9/2024   | 1                | <0.0250         | <0.0250            | <20.0           | <25.0           | <50.0           | <25.0           | <25.0             | 30.7             |
| BH04  | 1/9/2024   | 0                | <0.0250         | <0.0250            | <20.0           | <25.0           | <50.0           | <25.0           | <25.0             | 478              |
| BH04  | 1/9/2024   | 1                | <0.0250         | <0.0250            | <20.0           | <25.0           | <50.0           | <25.0           | <25.0             | 83.7             |
| BH05  | 1/9/2024   | 0                | <0.0250         | <0.0250            | <20.0           | 1,090           | 613             | <b>1,090</b>    | 1,703             | 190              |
| BH05  | 1/9/2024   | 1                | <0.0250         | <0.0250            | <20.0           | 32.0            | <50.0           | 32.0            | 32.0              | 729              |
| BH05  | 1/9/2024   | 2                | <0.0250         | <0.0250            | <20.0           | <25.0           | <50.0           | <25.0           | <25.0             | 1,290            |
| BH05  | 1/9/2024   | 3                | <0.0250         | <0.0250            | <20.0           | <25.0           | <50.0           | <25.0           | <25.0             | 1,610            |
| BH06  | 1/9/2024   | 0                | <0.0250         | <0.0250            | <20.0           | <25.0           | <50.0           | <25.0           | <25.0             | 198              |
| BH06  | 1/9/2024   | 1                | <0.0250         | <0.0250            | <20.0           | <25.0           | <50.0           | <25.0           | <25.0             | <100             |

**Notes:**

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

&lt;: Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes






## APPENDIX A

### Referenced Well Records

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|  <b>HRL<br/>COMPLIANCE<br/>SOLUTIONS</b> |               |                                       |          |                                 |          |                                      | BORING LOG/MONITORING WELL COMPLETION DIAGRAM |                                    |  |                                     |                         |  |
|---|---------------|---------------------------------------|----------|---------------------------------|----------|--------------------------------------|---|------------------------------------|--|-------------------------------------|-------------------------|--|
|   |               |                                       |          |                                 |          |                                      | Boring/Well Number:<br>MW-1                   |                                    | Location:<br>RDX Federal Com 17-44H  |                                     |                         |  |
|   |               |                                       |          |                                 |          |                                      | Date:<br>12/8/2020                            |                                    | Client:<br>WPX Energy  |                                     |                         |  |
| Drilling Method:<br>Air Rotary  |               | Sampling Method:<br>None              |          | Logged By:<br>J. Linn, PG       |          |                                      | Drilled By:<br>Talon LPE                      |                                    |  |                                     |                         |  |
| Gravel Pack Type:<br>10/20 Sand   |               | Gravel Pack Depth Interval:<br>3 Bags |          | Seal Type:<br>None              |          | Seal Depth Interval:<br>None         |   | Latitude:<br>32.049656             |  |                                     |                         |  |
| Casing Type:<br>PVC   |               | Diameter:<br>2-inch                   |          | Depth Interval:<br>0-105 ft bgs |          | Boring Total Depth (ft. BGS):<br>110 |   | Longitude:<br>-103.904054          |  |                                     |                         |  |
| Screen Type:<br>PVC   |               | Slot:<br>0.010-inch                   |          | Diameter:<br>2-inch             |          | Depth Interval:<br>105 - 110 ft      |   | Well Total Depth (ft. BGS):<br>110 |  | Depth to Water (ft. BTOC):<br>> 110 | DTW Date:<br>12/16/2020 |  |
| Depth Interval (ft)   | Recovery (ft) | Plasticity                            | Moisture | Odor                            | Staining | PID (ppm)                            | USCS  | Sample ID                          | Lithology/Remarks  |                                     | Well Completion         |  |
| 0   | NM            | L                                     | D        | N                               | N        | NM                                   | CE  | NS                                 | Buff to pale pink colored caliche  |                                     |                         |  |
| 5   |               |                                       |          |                                 |          |                                      |   |                                    |  |                                     |                         |  |
| 10  |               |                                       |          |                                 |          |                                      |   |                                    |  |                                     |                         |  |
| 15  |               |                                       |          |                                 |          |                                      |   |                                    |  |                                     |                         |  |
| 20  |               |                                       |          |                                 |          |                                      |   |                                    |  |                                     |                         |  |
| 25  |               |                                       |          |                                 |          |                                      |   |                                    |  |                                     |                         |  |
| 30  |               |                                       |          |                                 |          |                                      |   |                                    |  |                                     |                         |  |
| 35  |               |                                       |          |                                 |          |                                      |   |                                    |  |                                     |                         |  |
| 40  | NM            | L                                     | D        | N                               | N        | NM                                   | SW  | NS                                 | Pinky orange well graded sand with minor silt                                  |                                     |                         |  |
| 45  |               |                                       |          |                                 |          |                                      |   |                                    |  |                                     |                         |  |
| 50  |               |                                       |          |                                 |          |                                      |   |                                    |  |                                     |                         |  |
| 55  |               |                                       |          |                                 |          |                                      |   |                                    |  |                                     |                         |  |
| 60  | NM            | L                                     | D        | N                               | N        | NM                                   | SP  | NS                                 | Pinky pale brown orange poorly graded fine sand with minor silt                |                                     |                         |  |
| 65  |               |                                       |          |                                 |          |                                      |   |                                    |  |                                     |                         |  |
| 70  |               |                                       |          |                                 |          |                                      |   |                                    |  |                                     |                         |  |
| 75  |               |                                       |          |                                 |          |                                      |   |                                    |  |                                     |                         |  |
| 80  | NM            | L                                     | D        | N                               | N        | NM                                   | SW-SM<br>SW-SC                                | NS                                 | Pinky brown orange well-graded sand with silt and clay                         |                                     |                         |  |
| 85  |               |                                       |          |                                 |          |                                      |   |                                    |  |                                     |                         |  |
| 90  |               |                                       |          |                                 |          |                                      |   |                                    |  |                                     |                         |  |
| 95  |               |                                       |          |                                 |          |                                      |   |                                    |  |                                     |                         |  |
| 100   | NM            | L                                     | D        | N                               | N        | NM                                   | SP  | NS                                 | Pinky pale brown orange poorly graded fine sand with minor silt - TD: 110' bgs |                                     |                         |  |
| 105   |               |                                       |          |                                 |          |                                      |   |                                    |  |                                     |                         |  |



## APPENDIX B

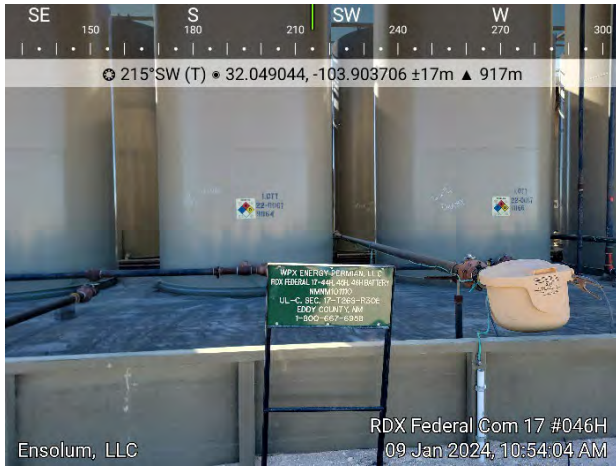
### Photographic Log

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### Photographic Log

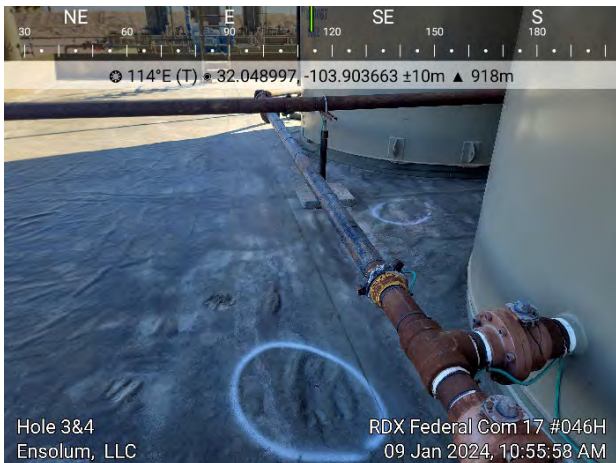
WPX Energy Permian, LLC  
RDX Federal Com 17 #046H  
nAPP2335444051



Photograph 1  
Description: Lease Sign  
View: Southwest  
Date: 01/09/2024



Photograph 2  
Description: Liner Inspection  
View: South  
Date: 01/09/2024



Photograph 3  
Description: Liner Inspection  
View: East  
Date: 01/09/2024

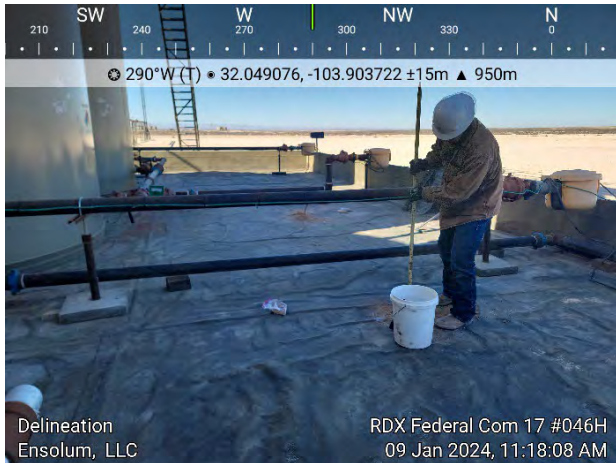


Photograph 4  
Description: Liner Inspection  
View: East  
Date: 01/09/2024



### Photographic Log

WPX Energy Permian, LLC  
RDX Federal Com 17 #046H  
nAPP2335444051



Photograph 5 Date: 01/09/2024  
Description: Vertical Delineation  
View: West



Photograph 6 Date: 01/09/2024  
Description: Vertical Delineation  
View: South



Photograph 7 Date: 01/09/2024  
Description: Repaired Liner  
View: South



Photograph 8 Date: 01/09/2024  
Description: Repaired Liner  
View: Southeast







## APPENDIX C


### Lithologic Soil Sampling Logs


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|   |                |           |          |           |                       |                |                  | Sample Name: BH01                   |  | Date: 1/09/24      |  |
|--|----------------|-----------|----------|-----------|-----------------------|----------------|------------------|-------------------------------------|--|--------------------|--|
|  |                |           |          |           |                       |                |                  | Site Name: RDX Federal Com 17 #046H |  |                    |  |
|  |                |           |          |           |                       |                |                  | Incident Number: nAPP2335444051     |  |                    |  |
|  |                |           |          |           |                       |                |                  | Job Number: 03A1987112              |  |                    |  |
| <b>LITHOLOGIC / SOIL SAMPLING LOG</b>  |                |           |          |           |                       |                |                  | Logged By: Israel Estrella          |  | Method: Hand Auger |  |
| Coordinates: 32.0489950, -103.9038240  |                |           |          |           |                       |                |                  | Hole Diameter: 3"                   |  | Total Depth: 1.5'  |  |
| Comments: Field screening conducted with MORH Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included. TPH tested with Petroflag. |                |           |          |           |                       |                |                  |                                     |  |                    |  |
| Moisture Content   | Chloride (ppm) | TPH (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions             |  |                    |  |
| M  |                |           | N        | BH01      | 0                     | 0              | CCHE             | Caliche - med brown, sand           |  |                    |  |
| D  | 400            | 37        | N        | BH01      | 1                     | 1              | CCHE             | Caliche - light brown, sand         |  |                    |  |
| D  | 200            |           |          | BH01      | 1.5                   | 1.5            | CCHE             | Caliche - light brown, sand         |  |                    |  |
| Total Depth = 1.5'   |                |           |          |           |                       |                |                  |                                     |  |                    |  |

|   |                |           |          |           |                       |                |                  | Sample Name: BH02                   |  | Date: 1/09/24      |  |
|--|----------------|-----------|----------|-----------|-----------------------|----------------|------------------|-------------------------------------|--|--------------------|--|
|  |                |           |          |           |                       |                |                  | Site Name: RDX Federal Com 17 #046H |  |                    |  |
|  |                |           |          |           |                       |                |                  | Incident Number: nAPP2335444051     |  |                    |  |
|  |                |           |          |           |                       |                |                  | Job Number: 03A1987112              |  |                    |  |
| <b>LITHOLOGIC / SOIL SAMPLING LOG</b>  |                |           |          |           |                       |                |                  | Logged By: Israel Estrella          |  | Method: Hand Auger |  |
| Coordinates: 32.0489914, -103.9037757  |                |           |          |           |                       |                |                  | Hole Diameter: 3"                   |  | Total Depth: 1'    |  |
| Comments: Field screening conducted with MORH Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included. TPH tested with Petroflag. |                |           |          |           |                       |                |                  |                                     |  |                    |  |
| Moisture Content   | Chloride (ppm) | TPH (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions             |  |                    |  |
| M  | 3,800          |           | N        | BH02      | 0                     | 0              | CCHE             | Caliche - med brown, sand           |  |                    |  |
| D  | 300            | 42        | N        | BH02      | 1                     | 1              | CCHE             | Caliche - light brown, sand         |  |                    |  |
| Total Depth = 1'   |                |           |          |           |                       |                |                  |                                     |  |                    |  |

|   |                |           |          |           |                       |                |                  | Sample Name: BH03                   |  | Date: 1/09/24      |  |
|--|----------------|-----------|----------|-----------|-----------------------|----------------|------------------|-------------------------------------|--|--------------------|--|
|  |                |           |          |           |                       |                |                  | Site Name: RDX Federal Com 17 #046H |  |                    |  |
|  |                |           |          |           |                       |                |                  | Incident Number: nAPP2335444051     |  |                    |  |
|  |                |           |          |           |                       |                |                  | Job Number: 03A1987112              |  |                    |  |
| <b>LITHOLOGIC / SOIL SAMPLING LOG</b>  |                |           |          |           |                       |                |                  | Logged By: Israel Estrella          |  | Method: Hand Auger |  |
| Coordinates: 32.0489704, -103.9036566  |                |           |          |           |                       |                |                  | Hole Diameter: 3"                   |  | Total Depth: 1'    |  |
| Comments: Field screening conducted with MORH Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included. TPH tested with Petroflag. |                |           |          |           |                       |                |                  |                                     |  |                    |  |
| Moisture Content   | Chloride (ppm) | TPH (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions             |  |                    |  |
| M  | 400            |           | N        | BH03      | 0                     | 0              | CCHE             | Caliche - med brown, sand           |  |                    |  |
| D  | 250            | 33        | N        | BH03      | 1                     | 1              | CCHE             | Caliche - light brown, sand         |  |                    |  |
| Total Depth = 1'   |                |           |          |           |                       |                |                  |                                     |  |                    |  |

|   |                |           |          |           |                       |                |                  | Sample Name: BH04                   |  | Date: 1/09/24      |  |
|--|----------------|-----------|----------|-----------|-----------------------|----------------|------------------|-------------------------------------|--|--------------------|--|
|  |                |           |          |           |                       |                |                  | Site Name: RDX Federal Com 17 #046H |  |                    |  |
|  |                |           |          |           |                       |                |                  | Incident Number: nAPP2335444051     |  |                    |  |
|  |                |           |          |           |                       |                |                  | Job Number: 03A1987112              |  |                    |  |
| <b>LITHOLOGIC / SOIL SAMPLING LOG</b>  |                |           |          |           |                       |                |                  | Logged By: Israel Estrella          |  | Method: Hand Auger |  |
| Coordinates: 32.0489704, -103.9036453  |                |           |          |           |                       |                |                  | Hole Diameter: 3"                   |  | Total Depth: 1'    |  |
| Comments: Field screening conducted with MORH Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included. TPH tested with Petroflag. |                |           |          |           |                       |                |                  |                                     |  |                    |  |
| Moisture Content   | Chloride (ppm) | TPH (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions             |  |                    |  |
| M  | 550            |           | N        | BH04      | 0                     | 0              | CCHE             | Caliche - med brown, sand           |  |                    |  |
| D  | 150            | 19        | N        | BH04      | 1                     | 1              | CCHE             | Caliche - light brown, sand         |  |                    |  |
| Total Depth = 1'   |                |           |          |           |                       |                |                  |                                     |  |                    |  |

|   |                |           |          |           |                       |                |                  | Sample Name: BH05                   |  | Date: 1/09/24      |  |
|--|----------------|-----------|----------|-----------|-----------------------|----------------|------------------|-------------------------------------|--|--------------------|--|
|  |                |           |          |           |                       |                |                  | Site Name: RDX Federal Com 17 #046H |  |                    |  |
|  |                |           |          |           |                       |                |                  | Incident Number: nAPP2335444051     |  |                    |  |
|  |                |           |          |           |                       |                |                  | Job Number: 03A1987112              |  |                    |  |
| <b>LITHOLOGIC / SOIL SAMPLING LOG</b>  |                |           |          |           |                       |                |                  | Logged By: Israel Estrella          |  | Method: Hand Auger |  |
| Coordinates: 32.0488909, -103.9035933  |                |           |          |           |                       |                |                  | Hole Diameter: 3"                   |  | Total Depth: 3'    |  |
| Comments: Field screening conducted with MORH Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included. TPH tested with Petroflag. |                |           |          |           |                       |                |                  |                                     |  |                    |  |
| Moisture Content   | Chloride (ppm) | TPH (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions             |  |                    |  |
| M  |                |           | N        | BH05      | 0                     | 0              | CCHE             | Caliche - med brown, sand           |  |                    |  |
| D  | 600            | 149       | N        | BH05      | 1                     | 1              | CCHE             | Caliche - light brown, sand         |  |                    |  |
| D  | 750            |           | N        | BH05      | 1.5                   | 1.5            | CCHE             |                                     |  |                    |  |
| D  | 750            |           | N        | BH05      | 2                     | 2              | CCHE             |                                     |  |                    |  |
| D  | 1,000          |           | N        | BH05      | 3                     | 3              | CCHE             | Caliche - light brown, sand         |  |                    |  |
| Total Depth = 3'   |                |           |          |           |                       |                |                  |                                     |  |                    |  |

|   |                |           |          |           |                       |                |                  | Sample Name: BH06                   |  | Date: 1/09/24      |  |
|--|----------------|-----------|----------|-----------|-----------------------|----------------|------------------|-------------------------------------|--|--------------------|--|
|  |                |           |          |           |                       |                |                  | Site Name: RDX Federal Com 17 #046H |  |                    |  |
|  |                |           |          |           |                       |                |                  | Incident Number: nAPP2335444051     |  |                    |  |
|  |                |           |          |           |                       |                |                  | Job Number: 03A1987112              |  |                    |  |
| <b>LITHOLOGIC / SOIL SAMPLING LOG</b>  |                |           |          |           |                       |                |                  | Logged By: Israel Estrella          |  | Method: Hand Auger |  |
| Coordinates: 32.0489914, -103.9035278  |                |           |          |           |                       |                |                  | Hole Diameter: 3"                   |  | Total Depth: 1'    |  |
| Comments: Field screening conducted with MORH Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included. TPH tested with Petroflag. |                |           |          |           |                       |                |                  |                                     |  |                    |  |
| Moisture Content   | Chloride (ppm) | TPH (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions             |  |                    |  |
| M  | 300            |           | N        | BH06      | 0                     | 0              | CCHE             | Caliche - med brown, sand           |  |                    |  |
| D  | 100            | 18        | N        | BH06      | 1                     | 1              | CCHE             | Caliche - light brown, sand         |  |                    |  |
| Total Depth = 1'   |                |           |          |           |                       |                |                  |                                     |  |                    |  |





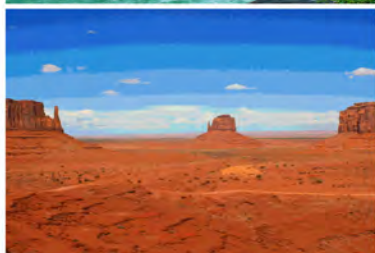
## APPENDIX D

### Laboratory Analytical Reports & Chain-of-Custody Documentation

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Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: RDX Federal Com 17 #046H

Work Order: E312194

Job Number: 01058-0007

Received: 12/29/2023

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/4/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 1/4/24

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: RDX Federal Com 17 #046H  
Workorder: E312194  
Date Received: 12/29/2023 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/29/2023 7:30:00AM, under the Project Name: RDX Federal Com 17 #046H.

The analytical test results summarized in this report with the Project Name: RDX Federal Com 17 #046H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
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Sample Summary

|                         |                  |                          |                |
|-------------------------|------------------|--------------------------|----------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:      |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 01/04/24 14:46 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| SS02-0'          | E312194-01A   | Soil   | 12/27/23 | 12/29/23 | Glass Jar, 2 oz. |



Sample Data

|   |  |                                 |
|---|--|---------------------------------|
| Devon Energy - Carlsbad<br>6488 7 Rivers Hwy<br>Artesia NM, 88210 | Project Name: RDX Federal Com 17 #046H<br>Project Number: 01058-0007<br>Project Manager: Ashley Giovengo | Reported:<br>1/4/2024 2:46:25PM |
|---|--|---------------------------------|

SS02-0'

E312194-01

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2352033 |       |
| Benzene   | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| Toluene   | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 12/29/23 | 01/02/24       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 94.2 % | 70-130          |             | 12/29/23 | 01/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2352033 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 12/29/23 | 01/02/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 95.3 % | 70-130          |             | 12/29/23 | 01/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: KM |          | Batch: 2352036 |       |
| Diesel Range Organics (C10-C28)                       | 38.4   | 25.0            | 1           | 12/29/23 | 12/29/23       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 12/29/23 | 12/29/23       |       |
| Surrogate: n-Nonane                                   | 94.9 % | 50-200          |             | 12/29/23 | 12/29/23       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2352028 |       |
| Chloride  | 273    | 20.0            | 1           | 12/28/23 | 12/29/23       |       |





## QC Summary Data

|                         |                  |                          |                    |
|-------------------------|------------------|--------------------------|--------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:          |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                    |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/4/2024 2:46:25PM |

## Volatile Organics by EPA 8021B

Analyst: EG

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

## Blank (2352033-BLK1)

Prepared: 12/29/23 Analyzed: 01/02/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | ND   | 0.0250 |      |  |      |        |  |  |  |
| Ethylbenzene                        | ND   | 0.0250 |      |  |      |        |  |  |  |
| Toluene                             | ND   | 0.0250 |      |  |      |        |  |  |  |
| o-Xylene                            | ND   | 0.0250 |      |  |      |        |  |  |  |
| p,m-Xylene                          | ND   | 0.0500 |      |  |      |        |  |  |  |
| Total Xylenes                       | ND   | 0.0250 |      |  |      |        |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.70 |        | 8.00 |  | 96.3 | 70-130 |  |  |  |

## LCS (2352033-BS1)

Prepared: 12/29/23 Analyzed: 01/02/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | 5.06 | 0.0250 | 5.00 |  | 101  | 70-130 |  |  |  |
| Ethylbenzene                        | 5.03 | 0.0250 | 5.00 |  | 101  | 70-130 |  |  |  |
| Toluene                             | 5.07 | 0.0250 | 5.00 |  | 101  | 70-130 |  |  |  |
| o-Xylene                            | 5.05 | 0.0250 | 5.00 |  | 101  | 70-130 |  |  |  |
| p,m-Xylene                          | 10.3 | 0.0500 | 10.0 |  | 103  | 70-130 |  |  |  |
| Total Xylenes                       | 15.3 | 0.0250 | 15.0 |  | 102  | 70-130 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.61 |        | 8.00 |  | 95.1 | 70-130 |  |  |  |

## Matrix Spike (2352033-MS1)

Source: E312194-01

Prepared: 12/29/23 Analyzed: 01/02/24

|                                     |      |        |      |    |      |        |  |  |  |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene                             | 5.08 | 0.0250 | 5.00 | ND | 102  | 54-133 |  |  |  |
| Ethylbenzene                        | 5.04 | 0.0250 | 5.00 | ND | 101  | 61-133 |  |  |  |
| Toluene                             | 5.10 | 0.0250 | 5.00 | ND | 102  | 61-130 |  |  |  |
| o-Xylene                            | 5.04 | 0.0250 | 5.00 | ND | 101  | 63-131 |  |  |  |
| p,m-Xylene                          | 10.3 | 0.0500 | 10.0 | ND | 103  | 63-131 |  |  |  |
| Total Xylenes                       | 15.3 | 0.0250 | 15.0 | ND | 102  | 63-131 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.47 |        | 8.00 |    | 93.4 | 70-130 |  |  |  |

## Matrix Spike Dup (2352033-MSD1)

Source: E312194-01

Prepared: 12/29/23 Analyzed: 01/02/24

|                                     |      |        |      |    |      |        |      |    |  |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene                             | 5.14 | 0.0250 | 5.00 | ND | 103  | 54-133 | 1.31 | 20 |  |
| Ethylbenzene                        | 5.14 | 0.0250 | 5.00 | ND | 103  | 61-133 | 1.92 | 20 |  |
| Toluene                             | 5.18 | 0.0250 | 5.00 | ND | 104  | 61-130 | 1.52 | 20 |  |
| o-Xylene                            | 5.12 | 0.0250 | 5.00 | ND | 102  | 63-131 | 1.58 | 20 |  |
| p,m-Xylene                          | 10.5 | 0.0500 | 10.0 | ND | 105  | 63-131 | 1.83 | 20 |  |
| Total Xylenes                       | 15.6 | 0.0250 | 15.0 | ND | 104  | 63-131 | 1.75 | 20 |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.45 |        | 8.00 |    | 93.2 | 70-130 |      |    |  |



QC Summary Data

|                         |                  |                          |                    |
|-------------------------|------------------|--------------------------|--------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:          |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                    |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/4/2024 2:46:25PM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

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

Blank (2352033-BLK1) Prepared: 12/29/23 Analyzed: 01/02/24

|   |      |      |      |  |      |        |  |  |  |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | ND   | 20.0 |      |  |      |        |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.53 |      | 8.00 |  | 94.2 | 70-130 |  |  |  |

LCS (2352033-BS2) Prepared: 12/29/23 Analyzed: 01/02/24

|   |      |      |      |  |      |        |  |  |  |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 49.6 | 20.0 | 50.0 |  | 99.3 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.81 |      | 8.00 |  | 97.7 | 70-130 |  |  |  |

Matrix Spike (2352033-MS2) Source: E312194-01 Prepared: 12/29/23 Analyzed: 01/02/24

|   |      |      |      |    |      |        |  |  |  |
|---|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 47.2 | 20.0 | 50.0 | ND | 94.3 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.71 |      | 8.00 |    | 96.4 | 70-130 |  |  |  |

Matrix Spike Dup (2352033-MSD2) Source: E312194-01 Prepared: 12/29/23 Analyzed: 01/02/24

|   |      |      |      |    |      |        |      |    |  |
|---|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10)        | 50.6 | 20.0 | 50.0 | ND | 101  | 70-130 | 7.01 | 20 |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.65 |      | 8.00 |    | 95.6 | 70-130 |      |    |  |



QC Summary Data

|                         |                  |                          |                    |
|-------------------------|------------------|--------------------------|--------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:          |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                    |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/4/2024 2:46:25PM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2352036-BLK1)            |      |      |      |  | Prepared: 12/29/23 Analyzed: 12/29/23 |        |  |  |  |
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |                                       |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |                                       |        |  |  |  |
| Surrogate: n-Nonane             | 48.3 |      | 50.0 |  | 96.7                                  | 50-200 |  |  |  |

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2352036-BS1)               |      |      |      |  | Prepared: 12/29/23 Analyzed: 12/29/23 |        |  |  |  |
| Diesel Range Organics (C10-C28) | 250  | 25.0 | 250  |  | 100                                   | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 48.1 |      | 50.0 |  | 96.1                                  | 50-200 |  |  |  |

|                                 |      |      |      |    |                    |        |                                       |  |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2352036-MS1)      |      |      |      |    | Source: E312195-04 |        | Prepared: 12/29/23 Analyzed: 12/29/23 |  |  |
| Diesel Range Organics (C10-C28) | 267  | 25.0 | 250  | ND | 107                | 38-132 |                                       |  |  |
| Surrogate: n-Nonane             | 47.1 |      | 50.0 |    | 94.3               | 50-200 |                                       |  |  |

|                                 |      |      |      |    |                    |        |                                       |    |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2352036-MSD1) |      |      |      |    | Source: E312195-04 |        | Prepared: 12/29/23 Analyzed: 12/29/23 |    |  |
| Diesel Range Organics (C10-C28) | 268  | 25.0 | 250  | ND | 107                | 38-132 | 0.589                                 | 20 |  |
| Surrogate: n-Nonane             | 45.9 |      | 50.0 |    | 91.8               | 50-200 |                                       |    |  |



QC Summary Data

|                         |                  |                          |                    |
|-------------------------|------------------|--------------------------|--------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:          |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                    |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/4/2024 2:46:25PM |

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 (2352028-BLK1)            |     |      |     |     | Prepared: 12/28/23 Analyzed: 12/29/23 |        |                                       |    |  |
| Chloride                        | ND  | 20.0 |     |     |                                       |        |                                       |    |  |
| LCS (2352028-BS1)               |     |      |     |     | Prepared: 12/28/23 Analyzed: 12/29/23 |        |                                       |    |  |
| Chloride                        | 254 | 20.0 | 250 |     | 102                                   | 90-110 |                                       |    |  |
| Matrix Spike (2352028-MS1)      |     |      |     |     | Source: E312192-01                    |        | Prepared: 12/28/23 Analyzed: 12/29/23 |    |  |
| Chloride                        | 465 | 20.0 | 250 | 206 | 104                                   | 80-120 |                                       |    |  |
| Matrix Spike Dup (2352028-MSD1) |     |      |     |     | Source: E312192-01                    |        | Prepared: 12/28/23 Analyzed: 12/29/23 |    |  |
| Chloride                        | 448 | 20.0 | 250 | 206 | 96.9                                  | 80-120 | 3.68                                  | 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:    | RDX Federal Com 17 #046H |                |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               | Reported:      |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 01/04/24 14:46 |

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





## Chain of Custody





|   |              |          |                   |                                      |            |          |      |                         |              |             |             |   |    |          |          |             |      |         |    |      |
|---|--------------|----------|-------------------|--------------------------------------|------------|----------|------|-------------------------|--------------|-------------|-------------|---|----|----------|----------|-------------|------|---------|----|------|
| Client: Devon   |              |          |                   | Bill To                              |            |          |      | Lab Use Only            |              |             |             | TAT   |    |          |          | EPA Program |      |         |    |      |
| Project: RDX Federal Com 17 #046H   |              |          |                   | Attention: Jim Raley                 |            |          |      | Lab WO#                 |              | Job Number  |             | 1D  | 2D | 3D       | Standard | CWA         | SDWA |         |    |      |
| Project Manager: Ashley Giovengo  |              |          |                   | Address: 5315 Buena Vista Dr         |            |          |      | E312194                 |              | 01058-0007  |             |   |    |          | x        |             |      |         |    |      |
| Address: 3122 National Parks Hwy  |              |          |                   | City, State, Zip: Carlsbad NM, 88220 |            |          |      | Analysis and Method     |              |             |             |   |    |          |          |             |      |         |    | RCRA |
| City, State, Zip: Carlsbad NM, 88220  |              |          |                   | Phone: (575)689-7597                 |            |          |      | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0  |    | BGDOC NM | GDOC TX  | State       |      |         |    |      |
| Phone: 575-988-0055   |              |          |                   | Email: jim.raley@dvn.com             |            |          |      |                         |              |             |             |   |    |          |          | NM          | CO   | UT      | AZ | TX   |
| Email: agiovengo@ensolum.com  |              |          |                   |                                      |            |          |      | x                       |              |             |             |   |    |          |          |             |      |         |    |      |
| Report due by:  |              |          |                   |                                      |            |          |      |                         |              |             |             |   |    |          |          |             |      | Remarks |    |      |
| Time Sampled  | Date Sampled | Matrix   | No. of Containers | Sample ID                            | Lab Number |          |      |                         |              |             |             |   |    |          |          |             |      |         |    |      |
| 11:45   | 12/28/2023   | Soil     | 1 Jar             | SS02 - 0'                            | 1          |          |      |                         |              |             |             |   |    | x        |          |             |      |         |    |      |
|   |              |          |                   |                                      |            |          |      |                         |              |             |             |   |    |          |          |             |      |         |    |      |
|   |              |          |                   |                                      |            |          |      |                         |              |             |             |   |    |          |          |             |      |         |    |      |
|   |              |          |                   |                                      |            |          |      |                         |              |             |             |   |    |          |          |             |      |         |    |      |
|   |              |          |                   |                                      |            |          |      |                         |              |             |             |   |    |          |          |             |      |         |    |      |
|   |              |          |                   |                                      |            |          |      |                         |              |             |             |   |    |          |          |             |      |         |    |      |
|   |              |          |                   |                                      |            |          |      |                         |              |             |             |   |    |          |          |             |      |         |    |      |
|   |              |          |                   |                                      |            |          |      |                         |              |             |             |   |    |          |          |             |      |         |    |      |
|   |              |          |                   |                                      |            |          |      |                         |              |             |             |   |    |          |          |             |      |         |    |      |
|   |              |          |                   |                                      |            |          |      |                         |              |             |             |   |    |          |          |             |      |         |    |      |
|   |              |          |                   |                                      |            |          |      |                         |              |             |             |   |    |          |          |             |      |         |    |      |
|   |              |          |                   |                                      |            |          |      |                         |              |             |             |   |    |          |          |             |      |         |    |      |
|   |              |          |                   |                                      |            |          |      |                         |              |             |             |   |    |          |          |             |      |         |    |      |
|   |              |          |                   |                                      |            |          |      |                         |              |             |             |   |    |          |          |             |      |         |    |      |
|   |              |          |                   |                                      |            |          |      |                         |              |             |             |   |    |          |          |             |      |         |    |      |
|   |              |          |                   |                                      |            |          |      |                         |              |             |             |   |    |          |          |             |      |         |    |      |
| Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, chamilton@ensolum.com, ehaff@ensolum.com   |              |          |                   |                                      |            |          |      |                         |              |             |             |   |    |          |          |             |      |         |    |      |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.   |              |          |                   |                                      |            |          |      |                         |              |             |             | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. |    |          |          |             |      |         |    |      |
| Sampled by: Cole Burton   |              |          |                   |                                      |            |          |      |                         |              |             |             |   |    |          |          |             |      |         |    |      |
| Relinquished by: (Signature)  |              | Date     | Time              | Received by: (Signature)             |            | Date     | Time | Lab Use Only            |              |             |             |   |    |          |          |             |      |         |    |      |
| [Signature]   |              | 12/28/23 | 7:40              | [Signature]                          |            | 12-28-23 | 0740 | Received on ice: Y / N  |              |             |             |   |    |          |          |             |      |         |    |      |
| Relinquished by: (Signature)  |              | Date     | Time              | Received by: (Signature)             |            | Date     | Time |                         |              |             |             |   |    |          |          |             |      |         |    |      |
| [Signature]   |              | 12-28-23 | 1520              | [Signature]                          |            | 12-28-23 | 1730 | T1 T2 T3                |              |             |             |   |    |          |          |             |      |         |    |      |
| Relinquished by: (Signature)  |              | Date     | Time              | Received by: (Signature)             |            | Date     | Time |                         |              |             |             |   |    |          |          |             |      |         |    |      |
| [Signature]   |              | 12-28-23 | 2345              | [Signature]                          |            | 12/29/23 | 7:30 | AVG Temp °C 4           |              |             |             |   |    |          |          |             |      |         |    |      |
| 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 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: 1/4/2024 2:42:18PM

## 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:  | 12/29/23 07:30             | Work Order ID: | E312194        |
| Phone:  | (505) 382-1211                | Date Logged In: | 12/28/23 15:11             | Logged In By:  | Jordan Montano |
| Email:  | ashley.giovengo@wescominc.com | Due Date:       | 01/08/24 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Date sampled on COC does not match on sample.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: RDX Federal Com 17 #046H

Work Order: E312195

Job Number: 01058-0007

Received: 12/29/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/4/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 1/4/24

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: RDX Federal Com 17 #046H  
Workorder: E312195  
Date Received: 12/29/2023 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/29/2023 7:30:00AM, under the Project Name: RDX Federal Com 17 #046H.

The analytical test results summarized in this report with the Project Name: RDX Federal Com 17 #046H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

|                         |                  |                          |                |
|-------------------------|------------------|--------------------------|----------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:      |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 01/04/24 12:19 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| SS01-0'          | E312195-01A   | Soil   | 12/28/23 | 12/29/23 | Glass Jar, 2 oz. |
| SS03- 0'         | E312195-02A   | Soil   | 12/28/23 | 12/29/23 | Glass Jar, 2 oz. |
| SS04-0'          | E312195-03A   | Soil   | 12/28/23 | 12/29/23 | Glass Jar, 2 oz. |
| SS05-0'          | E312195-04A   | Soil   | 12/28/23 | 12/29/23 | Glass Jar, 2 oz. |



Sample Data

|   |  |                                  |
|---|--|----------------------------------|
| Devon Energy - Carlsbad<br>6488 7 Rivers Hwy<br>Artesia NM, 88210 | Project Name: RDX Federal Com 17 #046H<br>Project Number: 01058-0007<br>Project Manager: Ashley Giovengo | Reported:<br>1/4/2024 12:19:46PM |
|---|--|----------------------------------|

SS01-0'  
E312195-01

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2352033 |       |
| Benzene   | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| Toluene   | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 12/29/23 | 01/02/24       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 92.2 % | 70-130          |             | 12/29/23 | 01/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2352033 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 12/29/23 | 01/02/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 95.4 % | 70-130          |             | 12/29/23 | 01/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: KM |          | Batch: 2352036 |       |
| Diesel Range Organics (C10-C28)                       | 44.9   | 25.0            | 1           | 12/29/23 | 12/29/23       | T17   |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 12/29/23 | 12/29/23       |       |
| Surrogate: n-Nonane                                   | 96.0 % | 50-200          |             | 12/29/23 | 12/29/23       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2352028 |       |
| Chloride  | 101    | 20.0            | 1           | 12/28/23 | 12/29/23       |       |



Sample Data

|   |  |                                  |
|---|--|----------------------------------|
| Devon Energy - Carlsbad<br>6488 7 Rivers Hwy<br>Artesia NM, 88210 | Project Name: RDX Federal Com 17 #046H<br>Project Number: 01058-0007<br>Project Manager: Ashley Giovengo | Reported:<br>1/4/2024 12:19:46PM |
|---|--|----------------------------------|

SS03- 0'

E312195-02

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2352033 |       |
| Benzene   | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| Toluene   | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 12/29/23 | 01/02/24       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 91.4 % | 70-130          |             | 12/29/23 | 01/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2352033 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 12/29/23 | 01/02/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 94.6 % | 70-130          |             | 12/29/23 | 01/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KM |          | Batch: 2352036 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 12/29/23 | 12/29/23       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 12/29/23 | 12/29/23       |       |
| Surrogate: n-Nonane                                   | 96.0 % | 50-200          |             | 12/29/23 | 12/29/23       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2352028 |       |
| Chloride  | 81.5   | 20.0            | 1           | 12/28/23 | 12/29/23       |       |



Sample Data

|   |  |                                  |
|---|--|----------------------------------|
| Devon Energy - Carlsbad<br>6488 7 Rivers Hwy<br>Artesia NM, 88210 | Project Name: RDX Federal Com 17 #046H<br>Project Number: 01058-0007<br>Project Manager: Ashley Giovengo | Reported:<br>1/4/2024 12:19:46PM |
|---|--|----------------------------------|

SS04-0'

E312195-03

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2352033 |       |
| Benzene   | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| Toluene   | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 12/29/23 | 01/02/24       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 93.3 % | 70-130          |             | 12/29/23 | 01/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2352033 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 12/29/23 | 01/02/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 96.3 % | 70-130          |             | 12/29/23 | 01/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KM |          | Batch: 2352036 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 12/29/23 | 12/29/23       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 12/29/23 | 12/29/23       |       |
| Surrogate: n-Nonane                                   | 89.0 % | 50-200          |             | 12/29/23 | 12/29/23       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2352028 |       |
| Chloride  | ND     | 100             | 5           | 12/28/23 | 12/29/23       |       |



Sample Data

|   |  |                                  |
|---|--|----------------------------------|
| Devon Energy - Carlsbad<br>6488 7 Rivers Hwy<br>Artesia NM, 88210 | Project Name: RDX Federal Com 17 #046H<br>Project Number: 01058-0007<br>Project Manager: Ashley Giovengo | Reported:<br>1/4/2024 12:19:46PM |
|---|--|----------------------------------|

SS05-0'

E312195-04

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2352033 |       |
| Benzene   | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| Toluene   | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 12/29/23 | 01/02/24       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 12/29/23 | 01/02/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 91.3 % | 70-130          |             | 12/29/23 | 01/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2352033 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 12/29/23 | 01/02/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 96.0 % | 70-130          |             | 12/29/23 | 01/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KM |          | Batch: 2352036 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 12/29/23 | 12/29/23       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 12/29/23 | 12/29/23       |       |
| Surrogate: n-Nonane                                   | 88.3 % | 50-200          |             | 12/29/23 | 12/29/23       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2352028 |       |
| Chloride  | 20.3   | 20.0            | 1           | 12/28/23 | 12/29/23       |       |





QC Summary Data

|                         |                  |                          |                     |
|-------------------------|------------------|--------------------------|---------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:           |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                     |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/4/2024 12:19:46PM |

Volatile Organics by EPA 8021B

Analyst: EG

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

Blank (2352033-BLK1) Prepared: 12/29/23 Analyzed: 01/02/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | ND   | 0.0250 |      |  |      |        |  |  |  |
| Ethylbenzene                        | ND   | 0.0250 |      |  |      |        |  |  |  |
| Toluene                             | ND   | 0.0250 |      |  |      |        |  |  |  |
| o-Xylene                            | ND   | 0.0250 |      |  |      |        |  |  |  |
| p,m-Xylene                          | ND   | 0.0500 |      |  |      |        |  |  |  |
| Total Xylenes                       | ND   | 0.0250 |      |  |      |        |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.70 |        | 8.00 |  | 96.3 | 70-130 |  |  |  |

LCS (2352033-BS1) Prepared: 12/29/23 Analyzed: 01/02/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | 5.06 | 0.0250 | 5.00 |  | 101  | 70-130 |  |  |  |
| Ethylbenzene                        | 5.03 | 0.0250 | 5.00 |  | 101  | 70-130 |  |  |  |
| Toluene                             | 5.07 | 0.0250 | 5.00 |  | 101  | 70-130 |  |  |  |
| o-Xylene                            | 5.05 | 0.0250 | 5.00 |  | 101  | 70-130 |  |  |  |
| p,m-Xylene                          | 10.3 | 0.0500 | 10.0 |  | 103  | 70-130 |  |  |  |
| Total Xylenes                       | 15.3 | 0.0250 | 15.0 |  | 102  | 70-130 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.61 |        | 8.00 |  | 95.1 | 70-130 |  |  |  |

Matrix Spike (2352033-MS1) Source: E312194-01 Prepared: 12/29/23 Analyzed: 01/02/24

|                                     |      |        |      |    |      |        |  |  |  |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene                             | 5.08 | 0.0250 | 5.00 | ND | 102  | 54-133 |  |  |  |
| Ethylbenzene                        | 5.04 | 0.0250 | 5.00 | ND | 101  | 61-133 |  |  |  |
| Toluene                             | 5.10 | 0.0250 | 5.00 | ND | 102  | 61-130 |  |  |  |
| o-Xylene                            | 5.04 | 0.0250 | 5.00 | ND | 101  | 63-131 |  |  |  |
| p,m-Xylene                          | 10.3 | 0.0500 | 10.0 | ND | 103  | 63-131 |  |  |  |
| Total Xylenes                       | 15.3 | 0.0250 | 15.0 | ND | 102  | 63-131 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.47 |        | 8.00 |    | 93.4 | 70-130 |  |  |  |

Matrix Spike Dup (2352033-MSD1) Source: E312194-01 Prepared: 12/29/23 Analyzed: 01/02/24

|                                     |      |        |      |    |      |        |      |    |  |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene                             | 5.14 | 0.0250 | 5.00 | ND | 103  | 54-133 | 1.31 | 20 |  |
| Ethylbenzene                        | 5.14 | 0.0250 | 5.00 | ND | 103  | 61-133 | 1.92 | 20 |  |
| Toluene                             | 5.18 | 0.0250 | 5.00 | ND | 104  | 61-130 | 1.52 | 20 |  |
| o-Xylene                            | 5.12 | 0.0250 | 5.00 | ND | 102  | 63-131 | 1.58 | 20 |  |
| p,m-Xylene                          | 10.5 | 0.0500 | 10.0 | ND | 105  | 63-131 | 1.83 | 20 |  |
| Total Xylenes                       | 15.6 | 0.0250 | 15.0 | ND | 104  | 63-131 | 1.75 | 20 |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.45 |        | 8.00 |    | 93.2 | 70-130 |      |    |  |



QC Summary Data

|                         |                  |                          |                     |
|-------------------------|------------------|--------------------------|---------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:           |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                     |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/4/2024 12:19:46PM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

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

Blank (2352033-BLK1) Prepared: 12/29/23 Analyzed: 01/02/24

|   |      |      |      |  |      |        |  |  |  |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | ND   | 20.0 |      |  |      |        |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.53 |      | 8.00 |  | 94.2 | 70-130 |  |  |  |

LCS (2352033-BS2) Prepared: 12/29/23 Analyzed: 01/02/24

|   |      |      |      |  |      |        |  |  |  |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 49.6 | 20.0 | 50.0 |  | 99.3 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.81 |      | 8.00 |  | 97.7 | 70-130 |  |  |  |

Matrix Spike (2352033-MS2) Source: E312194-01 Prepared: 12/29/23 Analyzed: 01/02/24

|   |      |      |      |    |      |        |  |  |  |
|---|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 47.2 | 20.0 | 50.0 | ND | 94.3 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.71 |      | 8.00 |    | 96.4 | 70-130 |  |  |  |

Matrix Spike Dup (2352033-MSD2) Source: E312194-01 Prepared: 12/29/23 Analyzed: 01/02/24

|   |      |      |      |    |      |        |      |    |  |
|---|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10)        | 50.6 | 20.0 | 50.0 | ND | 101  | 70-130 | 7.01 | 20 |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.65 |      | 8.00 |    | 95.6 | 70-130 |      |    |  |



QC Summary Data

|                         |                  |                          |                     |
|-------------------------|------------------|--------------------------|---------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:           |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                     |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/4/2024 12:19:46PM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2352036-BLK1)            |      |      |      |  | Prepared: 12/29/23 Analyzed: 12/29/23 |        |  |  |  |
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |                                       |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |                                       |        |  |  |  |
| Surrogate: n-Nonane             | 48.3 |      | 50.0 |  | 96.7                                  | 50-200 |  |  |  |

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2352036-BS1)               |      |      |      |  | Prepared: 12/29/23 Analyzed: 12/29/23 |        |  |  |  |
| Diesel Range Organics (C10-C28) | 250  | 25.0 | 250  |  | 100                                   | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 48.1 |      | 50.0 |  | 96.1                                  | 50-200 |  |  |  |

|                                 |      |      |      |    |                    |        |                                       |  |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2352036-MS1)      |      |      |      |    | Source: E312195-04 |        | Prepared: 12/29/23 Analyzed: 12/29/23 |  |  |
| Diesel Range Organics (C10-C28) | 267  | 25.0 | 250  | ND | 107                | 38-132 |                                       |  |  |
| Surrogate: n-Nonane             | 47.1 |      | 50.0 |    | 94.3               | 50-200 |                                       |  |  |

|                                 |      |      |      |    |                    |        |                                       |    |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2352036-MSD1) |      |      |      |    | Source: E312195-04 |        | Prepared: 12/29/23 Analyzed: 12/29/23 |    |  |
| Diesel Range Organics (C10-C28) | 268  | 25.0 | 250  | ND | 107                | 38-132 | 0.589                                 | 20 |  |
| Surrogate: n-Nonane             | 45.9 |      | 50.0 |    | 91.8               | 50-200 |                                       |    |  |



QC Summary Data

|                         |                  |                          |                     |
|-------------------------|------------------|--------------------------|---------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:           |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                     |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/4/2024 12:19:46PM |

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 (2352028-BLK1)            |     |      |     |     | Prepared: 12/28/23 Analyzed: 12/29/23 |        |                                       |    |  |
| Chloride                        | ND  | 20.0 |     |     |                                       |        |                                       |    |  |
| LCS (2352028-BS1)               |     |      |     |     | Prepared: 12/28/23 Analyzed: 12/29/23 |        |                                       |    |  |
| Chloride                        | 254 | 20.0 | 250 |     | 102                                   | 90-110 |                                       |    |  |
| Matrix Spike (2352028-MS1)      |     |      |     |     | Source: E312192-01                    |        | Prepared: 12/28/23 Analyzed: 12/29/23 |    |  |
| Chloride                        | 465 | 20.0 | 250 | 206 | 104                                   | 80-120 |                                       |    |  |
| Matrix Spike Dup (2352028-MSD1) |     |      |     |     | Source: E312192-01                    |        | Prepared: 12/28/23 Analyzed: 12/29/23 |    |  |
| Chloride                        | 448 | 20.0 | 250 | 206 | 96.9                                  | 80-120 | 3.68                                  | 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:    | RDX Federal Com 17 #046H |                |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               | Reported:      |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 01/04/24 12:19 |

- T17        The sample chromatographic pattern does not resemble the typical fuel standard used for quantitation.
- 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.



[illegible]

Additional Instructions: Please CC: [cburton@ensolum.com](mailto:cburton@ensolum.com), [agioveno@ensolum.com](mailto:agioveno@ensolum.com), [jim.raley@dvn.com](mailto:jim.raley@dvn.com), [chamilton@ensolum.com](mailto:chamilton@ensolum.com), [ehaft@ensolum.com](mailto:ehaft@ensolum.com)

|   |  |                  |              |  |  |   |              |   |  |  |  |
|---|--|------------------|--------------|--|--|---|--------------|---|--|--|--|
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. |  |                  |              |  |  | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. |              |   |  |  |  |
| Sampled by: Cole Burton   |  |                  |              |  |  |   |              |   |  |  |  |
| Relinquished by: (Signature)<br><i>Ed Burt</i>  |  | Date<br>12-28-23 | Time<br>7:40 | Received by: (Signature)<br><i>Micella Gayle</i> |  | Date<br>12-28-23  | Time<br>0740 | Lab Use Only<br>Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N<br>T1 _____ T2 _____ T3 _____<br>AVG Temp °C <u>4</u> |  |  |  |
| Relinquished by: (Signature)<br><i>Micella Gayle</i>  |  | Date<br>12-28-23 | Time<br>1520 | Received by: (Signature)<br><i>Andrew MBSO</i>   |  | Date<br>12-28-23  | Time<br>1730 |   |  |  |  |
| Relinquished by: (Signature)<br><i>Andrew MBSO</i>  |  | Date<br>12-28-23 | Time<br>2345 | Received by: (Signature)<br><i>Amontex</i>       |  | Date<br>12/29/23  | Time<br>7:30 |   |  |  |  |
| Sample Matrix: S - Soil, Sd - Solid, Sl - Sludge, A - Aqueous, O - Other  |  |                  |              |  |  |   |              | 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: 12/29/2023 10:57:14AM

## 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:  | 12/29/23 07:30             | Work Order ID: | E312195        |
| Phone:  | (505) 382-1211                | Date Logged In: | 12/28/23 15:11             | Logged In By:  | Jordan Montano |
| Email:  | ashley.giovengo@wescominc.com | Due Date:       | 01/05/24 17:00 (4 day TAT) |                |                |

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: RDX Federal Com 17 #046H

Work Order: E401048

Job Number: 01058-0007

Received: 1/11/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/17/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 1/17/24

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: RDX Federal Com 17 #046H  
Workorder: E401048  
Date Received: 1/11/2024 11:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/11/2024 11:15:00AM, under the Project Name: RDX Federal Com 17 #046H.

The analytical test results summarized in this report with the Project Name: RDX Federal Com 17 #046H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

|                         |                  |                          |                |
|-------------------------|------------------|--------------------------|----------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:      |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 01/17/24 09:02 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| BH05-2'          | E401048-01A   | Soil   | 01/09/24 | 01/11/24 | Glass Jar, 2 oz. |
| BH05-3'          | E401048-02A   | Soil   | 01/09/24 | 01/11/24 | Glass Jar, 2 oz. |



## Sample Data

|   |  |                                  |
|---|--|----------------------------------|
| Devon Energy - Carlsbad<br>6488 7 Rivers Hwy<br>Artesia NM, 88210 | Project Name: RDX Federal Com 17 #046H<br>Project Number: 01058-0007<br>Project Manager: Ashley Giovengo | Reported:<br>1/17/2024 9:02:29AM |
|---|--|----------------------------------|

BH05-2'

E401048-01

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: EG |          | Batch: 2402064 |
| Benzene   | ND     | 0.0250          | 1        | 01/11/24    | 01/12/24 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 01/11/24    | 01/12/24 |                |
| Toluene   | ND     | 0.0250          | 1        | 01/11/24    | 01/12/24 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 01/11/24    | 01/12/24 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 01/11/24    | 01/12/24 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 01/11/24    | 01/12/24 |                |
| Surrogate: 4-Bromochlorobenzene-PID                   | 95.2 % | 70-130          |          | 01/11/24    | 01/12/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: EG |          | Batch: 2402064 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 01/11/24    | 01/12/24 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 95.7 % | 70-130          |          | 01/11/24    | 01/12/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KM |          | Batch: 2402076 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 01/12/24    | 01/13/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 01/12/24    | 01/13/24 |                |
| Surrogate: n-Nonane                                   | 83.6 % | 50-200          |          | 01/12/24    | 01/13/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: DT |          | Batch: 2403005 |
| Chloride  | 1290   | 20.0            | 1        | 01/15/24    | 01/15/24 |                |





Sample Data

|   |  |                                  |
|---|--|----------------------------------|
| Devon Energy - Carlsbad<br>6488 7 Rivers Hwy<br>Artesia NM, 88210 | Project Name: RDX Federal Com 17 #046H<br>Project Number: 01058-0007<br>Project Manager: Ashley Giovengo | Reported:<br>1/17/2024 9:02:29AM |
|---|--|----------------------------------|

BH05-3'

E401048-02

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2402064 |       |
| Benzene   | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| Toluene   | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 01/11/24 | 01/12/24       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 95.5 % | 70-130          |             | 01/11/24 | 01/12/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2402064 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 01/11/24 | 01/12/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 95.1 % | 70-130          |             | 01/11/24 | 01/12/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KM |          | Batch: 2402076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 01/12/24 | 01/13/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 01/12/24 | 01/13/24       |       |
| Surrogate: n-Nonane                                   | 93.4 % | 50-200          |             | 01/12/24 | 01/13/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2403005 |       |
| Chloride  | 1610   | 200             | 10          | 01/15/24 | 01/16/24       |       |



QC Summary Data

|                         |                  |                          |                     |
|-------------------------|------------------|--------------------------|---------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:           |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                     |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/17/2024 9:02:29AM |

Volatile Organics by EPA 8021B

Analyst: EG

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

Blank (2402064-BLK1) Prepared: 01/11/24 Analyzed: 01/12/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | ND   | 0.0250 |      |  |      |        |  |  |  |
| Ethylbenzene                        | ND   | 0.0250 |      |  |      |        |  |  |  |
| Toluene                             | ND   | 0.0250 |      |  |      |        |  |  |  |
| o-Xylene                            | ND   | 0.0250 |      |  |      |        |  |  |  |
| p,m-Xylene                          | ND   | 0.0500 |      |  |      |        |  |  |  |
| Total Xylenes                       | ND   | 0.0250 |      |  |      |        |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.65 |        | 8.00 |  | 95.6 | 70-130 |  |  |  |

LCS (2402064-BS1) Prepared: 01/11/24 Analyzed: 01/12/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | 4.88 | 0.0250 | 5.00 |  | 97.7 | 70-130 |  |  |  |
| Ethylbenzene                        | 4.86 | 0.0250 | 5.00 |  | 97.3 | 70-130 |  |  |  |
| Toluene                             | 4.91 | 0.0250 | 5.00 |  | 98.2 | 70-130 |  |  |  |
| o-Xylene                            | 4.90 | 0.0250 | 5.00 |  | 97.9 | 70-130 |  |  |  |
| p,m-Xylene                          | 9.94 | 0.0500 | 10.0 |  | 99.4 | 70-130 |  |  |  |
| Total Xylenes                       | 14.8 | 0.0250 | 15.0 |  | 98.9 | 70-130 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.67 |        | 8.00 |  | 95.9 | 70-130 |  |  |  |

Matrix Spike (2402064-MS1) Source: E401048-02 Prepared: 01/11/24 Analyzed: 01/12/24

|                                     |      |        |      |    |      |        |  |  |  |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene                             | 4.84 | 0.0250 | 5.00 | ND | 96.8 | 54-133 |  |  |  |
| Ethylbenzene                        | 4.81 | 0.0250 | 5.00 | ND | 96.3 | 61-133 |  |  |  |
| Toluene                             | 4.86 | 0.0250 | 5.00 | ND | 97.3 | 61-130 |  |  |  |
| o-Xylene                            | 4.83 | 0.0250 | 5.00 | ND | 96.6 | 63-131 |  |  |  |
| p,m-Xylene                          | 9.81 | 0.0500 | 10.0 | ND | 98.1 | 63-131 |  |  |  |
| Total Xylenes                       | 14.6 | 0.0250 | 15.0 | ND | 97.6 | 63-131 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.69 |        | 8.00 |    | 96.1 | 70-130 |  |  |  |

Matrix Spike Dup (2402064-MSD1) Source: E401048-02 Prepared: 01/11/24 Analyzed: 01/12/24

|                                     |      |        |      |    |      |        |        |    |  |
|-------------------------------------|------|--------|------|----|------|--------|--------|----|--|
| Benzene                             | 4.80 | 0.0250 | 5.00 | ND | 96.0 | 54-133 | 0.843  | 20 |  |
| Ethylbenzene                        | 4.80 | 0.0250 | 5.00 | ND | 95.9 | 61-133 | 0.364  | 20 |  |
| Toluene                             | 4.83 | 0.0250 | 5.00 | ND | 96.7 | 61-130 | 0.609  | 20 |  |
| o-Xylene                            | 4.83 | 0.0250 | 5.00 | ND | 96.5 | 63-131 | 0.0404 | 20 |  |
| p,m-Xylene                          | 9.78 | 0.0500 | 10.0 | ND | 97.8 | 63-131 | 0.389  | 20 |  |
| Total Xylenes                       | 14.6 | 0.0250 | 15.0 | ND | 97.3 | 63-131 | 0.274  | 20 |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.64 |        | 8.00 |    | 95.5 | 70-130 |        |    |  |



QC Summary Data

|                         |                  |                          |                     |
|-------------------------|------------------|--------------------------|---------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:           |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                     |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/17/2024 9:02:29AM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

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

Blank (2402064-BLK1) Prepared: 01/11/24 Analyzed: 01/12/24

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

LCS (2402064-BS2) Prepared: 01/11/24 Analyzed: 01/12/24

|   |      |      |      |  |      |        |  |  |  |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 52.6 | 20.0 | 50.0 |  | 105  | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.71 |      | 8.00 |  | 96.4 | 70-130 |  |  |  |

Matrix Spike (2402064-MS2) Source: E401048-02 Prepared: 01/11/24 Analyzed: 01/12/24

|   |      |      |      |    |      |        |  |  |  |
|---|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 51.5 | 20.0 | 50.0 | ND | 103  | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.84 |      | 8.00 |    | 98.0 | 70-130 |  |  |  |

Matrix Spike Dup (2402064-MSD2) Source: E401048-02 Prepared: 01/11/24 Analyzed: 01/12/24

|   |      |      |      |    |      |        |      |    |  |
|---|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10)        | 53.7 | 20.0 | 50.0 | ND | 107  | 70-130 | 4.16 | 20 |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.67 |      | 8.00 |    | 95.8 | 70-130 |      |    |  |



QC Summary Data

|                         |                  |                          |                     |
|-------------------------|------------------|--------------------------|---------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:           |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                     |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/17/2024 9:02:29AM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2402076-BLK1)            |      |      |      |  | Prepared: 01/12/24 Analyzed: 01/12/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |                                       |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |                                       |        |  |  |  |
| Surrogate: n-Nonane             | 43.0 |      | 50.0 |  | 85.9                                  | 50-200 |  |  |  |

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2402076-BS1)               |      |      |      |  | Prepared: 01/12/24 Analyzed: 01/12/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | 216  | 25.0 | 250  |  | 86.4                                  | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 43.9 |      | 50.0 |  | 87.8                                  | 50-200 |  |  |  |

|                                 |      |      |      |      |                    |        |                                       |  |  |
|---------------------------------|------|------|------|------|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2402076-MS1)      |      |      |      |      | Source: E401050-05 |        | Prepared: 01/12/24 Analyzed: 01/15/24 |  |  |
| Diesel Range Organics (C10-C28) | 259  | 25.0 | 250  | 32.0 | 90.9               | 38-132 |                                       |  |  |
| Surrogate: n-Nonane             | 42.4 |      | 50.0 |      | 84.8               | 50-200 |                                       |  |  |

|                                 |      |      |      |      |                    |        |                                       |    |  |
|---------------------------------|------|------|------|------|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2402076-MSD1) |      |      |      |      | Source: E401050-05 |        | Prepared: 01/12/24 Analyzed: 01/12/24 |    |  |
| Diesel Range Organics (C10-C28) | 268  | 25.0 | 250  | 32.0 | 94.5               | 38-132 | 3.41                                  | 20 |  |
| Surrogate: n-Nonane             | 41.4 |      | 50.0 |      | 82.9               | 50-200 |                                       |    |  |



QC Summary Data

|                         |                  |                          |                     |
|-------------------------|------------------|--------------------------|---------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:           |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                     |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/17/2024 9:02:29AM |

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 (2403005-BLK1)            |     |      |     |      | Prepared: 01/15/24 Analyzed: 01/15/24 |        |                                       |    |  |
| Chloride                        | ND  | 20.0 |     |      |                                       |        |                                       |    |  |
| LCS (2403005-BS1)               |     |      |     |      | Prepared: 01/15/24 Analyzed: 01/15/24 |        |                                       |    |  |
| Chloride                        | 250 | 20.0 | 250 |      | 99.9                                  | 90-110 |                                       |    |  |
| Matrix Spike (2403005-MS1)      |     |      |     |      | Source: E401045-22                    |        | Prepared: 01/15/24 Analyzed: 01/15/24 |    |  |
| Chloride                        | 346 | 20.0 | 250 | 89.5 | 103                                   | 80-120 |                                       |    |  |
| Matrix Spike Dup (2403005-MSD1) |     |      |     |      | Source: E401045-22                    |        | Prepared: 01/15/24 Analyzed: 01/15/24 |    |  |
| Chloride                        | 350 | 20.0 | 250 | 89.5 | 104                                   | 80-120 | 1.14                                  | 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:    | RDX Federal Com 17 #046H |                |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               | Reported:      |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 01/17/24 09:02 |

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





## Project Information

## Chain of Custody

Page 1 of 1

Client:

Report due by: Devon

Project: RDX Federal Com 17 #046H

Project Manager: Ashley Giovengo

Address: 3122 National Parks Hwy

City, State, Zip: Carlsbad NM, 88220

Phone: 575-988-0055

Email: agiovengo@ensolum.com

Report due by:

| Bill To                              |              |        |                   |           | Lab Use Only            |              |             |             |                |  | TAT      |    |         |          | EPA Program |   |
|--------------------------------------|--------------|--------|-------------------|-----------|-------------------------|--------------|-------------|-------------|----------------|--|----------|----|---------|----------|-------------|---|
| Attention: Jim Raley                 |              |        |                   |           | Lab WO#                 |              | Job Number  |             |                |  | 1D       | 2D | 3D      | Standard | CWA         | SDWA  |
| Address: 5315 Buena Vista Dr         |              |        |                   |           | E401048                 |              | 010580057   |             |                |  |          |    |         | x        |             |   |
| City, State, Zip: Carlsbad NM, 88220 |              |        |                   |           | Analysis and Method     |              |             |             |                |  |          |    |         |          |             | RCRA  |
| Phone: (575)689-7597                 |              |        |                   |           | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 |  | BGDOC NM |    | GDOC TX | State    |             |   |
| Email: jim.raley@dv.com              |              |        |                   |           |                         |              |             |             |                |  |          |    |         | NM       | CO          | UT  |
|                                      |              |        |                   |           |                         |              |             |             |                |  |          |    |         | x        |             |   |
|                                      |              |        |                   |           |                         |              |             |             |                |  |          |    |         |          |             |   |
|                                      |              |        |                   |           |                         |              |             |             |                |  |          |    |         | Remarks  |             |   |
|                                      |              |        |                   |           |                         |              |             |             |                |  |          |    |         |          |             |   |
| Time Sampled                         | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number              |              |             |             |                |  |          |    |         |          |             |   |
| 14:18                                | 1/9/2024     | SOIL   | 1                 | BH05 - 2' | 1                       |              |             |             |                |  |          |    |         | X        |             | Do not run unless BH05 - 1' is >600 cl or 100 TPH |
| 14:33                                | 1/9/2024     | SOIL   | 1                 | BH05 - 3' | 2                       |              |             |             |                |  |          |    |         | X        |             | Do not run unless BH05 - 2' is >600 cl or 100 TPH |
|                                      |              |        |                   |           |                         |              |             |             |                |  |          |    |         |          |             |   |
|                                      |              |        |                   |           |                         |              |             |             |                |  |          |    |         |          |             |   |
|                                      |              |        |                   |           |                         |              |             |             |                |  |          |    |         |          |             |   |
|                                      |              |        |                   |           |                         |              |             |             |                |  |          |    |         |          |             |   |
|                                      |              |        |                   |           |                         |              |             |             |                |  |          |    |         |          |             |   |
|                                      |              |        |                   |           |                         |              |             |             |                |  |          |    |         |          |             |   |
|                                      |              |        |                   |           |                         |              |             |             |                |  |          |    |         |          |             |   |
|                                      |              |        |                   |           |                         |              |             |             |                |  |          |    |         |          |             |   |
|                                      |              |        |                   |           |                         |              |             |             |                |  |          |    |         |          |             |   |
|                                      |              |        |                   |           |                         |              |             |             |                |  |          |    |         |          |             |   |

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dv.com, chamilton@ensolum.com, eharft@ensolum.com, iestrella@ensolum.com

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

Sampled by: Israel Estrella

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

|                              |         |      |                          |         |      |   |
|------------------------------|---------|------|--------------------------|---------|------|---|
| Relinquished by: (Signature) | Date    | Time | Received by: (Signature) | Date    | Time | Lab Use Only<br>Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N<br>T1 _____ T2 _____ T3 _____<br>AVG Temp °C <u>4</u> |
| <u>Michelle Eung</u>         | 1/10/24 | 8:23 | <u>Michelle Eung</u>     | 1-10-24 | 0823 |   |
| <u>Michelle Eung</u>         | 1-10-24 | 1545 | <u>Andrew Moss</u>       | 1-10-24 | 1645 |   |
| Relinquished by: (Signature) | Date    | Time | Received by: (Signature) | Date    | Time |   |
| <u>Andrew Moss</u>           | 1-10-24 | 2245 | <u>Andrew Moss</u>       | 1/11/24 | 1115 |   |

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 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

## Envirotech Analytical Laboratory

Printed: 1/11/2024 11:41:45AM

## 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:  | 01/11/24 11:15             | Work Order ID: | E401048        |
| Phone:  | (505) 382-1211                | Date Logged In: | 01/11/24 11:31             | Logged In By:  | Alexa Michaels |
| Email:  | ashley.giovengo@wescominc.com | Due Date:       | 01/17/24 17:00 (4 day TAT) |                |                |

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

See remarks on COC for sample 1 &amp; 2.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: RDX Federal Com 17 #046H

Work Order: E401050

Job Number: 01058-0007

Received: 1/11/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/17/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
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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: 1/17/24

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: RDX Federal Com 17 #046H  
Workorder: E401050  
Date Received: 1/11/2024 11:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/11/2024 11:15:00AM, under the Project Name: RDX Federal Com 17 #046H.

The analytical test results summarized in this report with the Project Name: RDX Federal Com 17 #046H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

|                         |                  |                          |                |
|-------------------------|------------------|--------------------------|----------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:      |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 01/17/24 09:13 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| BH01-1'          | E401050-01A   | Soil   | 01/09/24 | 01/11/24 | Glass Jar, 2 oz. |
| BH02-1'          | E401050-02A   | Soil   | 01/09/24 | 01/11/24 | Glass Jar, 2 oz. |
| BH03-1'          | E401050-03A   | Soil   | 01/09/24 | 01/11/24 | Glass Jar, 2 oz. |
| BH04-1'          | E401050-04A   | Soil   | 01/09/24 | 01/11/24 | Glass Jar, 2 oz. |
| BH05-1'          | E401050-05A   | Soil   | 01/09/24 | 01/11/24 | Glass Jar, 2 oz. |
| BH06-1'          | E401050-06A   | Soil   | 01/09/24 | 01/11/24 | Glass Jar, 2 oz. |





Sample Data

|   |  |                                  |
|---|--|----------------------------------|
| Devon Energy - Carlsbad<br>6488 7 Rivers Hwy<br>Artesia NM, 88210 | Project Name: RDX Federal Com 17 #046H<br>Project Number: 01058-0007<br>Project Manager: Ashley Giovengo | Reported:<br>1/17/2024 9:13:26AM |
|---|--|----------------------------------|

BH01-1'

E401050-01

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
|   |        |                 |             |          |                |       |
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2402064 |       |
| Benzene   | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| Toluene   | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 01/11/24 | 01/12/24       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
|   |        |                 |             |          |                |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 94.2 % | 70-130          |             | 01/11/24 | 01/12/24       |       |
|   |        |                 |             |          |                |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2402064 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 01/11/24 | 01/12/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 94.9 % | 70-130          |             | 01/11/24 | 01/12/24       |       |
|   |        |                 |             |          |                |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KM |          | Batch: 2402076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 01/12/24 | 01/12/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 01/12/24 | 01/12/24       |       |
| Surrogate: n-Nonane                                   | 87.4 % | 50-200          |             | 01/12/24 | 01/12/24       |       |
|   |        |                 |             |          |                |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2403007 |       |
| Chloride  | 413    | 20.0            | 1           | 01/15/24 | 01/15/24       |       |



Sample Data

|   |  |                                  |
|---|--|----------------------------------|
| Devon Energy - Carlsbad<br>6488 7 Rivers Hwy<br>Artesia NM, 88210 | Project Name: RDX Federal Com 17 #046H<br>Project Number: 01058-0007<br>Project Manager: Ashley Giovengo | Reported:<br>1/17/2024 9:13:26AM |
|---|--|----------------------------------|

BH02-1'

E401050-02

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2402064 |       |
| Benzene   | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| Toluene   | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 01/11/24 | 01/12/24       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 94.7 % | 70-130          |             | 01/11/24 | 01/12/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2402064 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 01/11/24 | 01/12/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 97.0 % | 70-130          |             | 01/11/24 | 01/12/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KM |          | Batch: 2402076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 01/12/24 | 01/12/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 01/12/24 | 01/12/24       |       |
| Surrogate: n-Nonane                                   | 89.9 % | 50-200          |             | 01/12/24 | 01/12/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2403007 |       |
| Chloride  | 295    | 20.0            | 1           | 01/15/24 | 01/15/24       |       |



Sample Data

|   |  |                                  |
|---|--|----------------------------------|
| Devon Energy - Carlsbad<br>6488 7 Rivers Hwy<br>Artesia NM, 88210 | Project Name: RDX Federal Com 17 #046H<br>Project Number: 01058-0007<br>Project Manager: Ashley Giovengo | Reported:<br>1/17/2024 9:13:26AM |
|---|--|----------------------------------|

BH03-1'

E401050-03

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2402064 |       |
| Benzene   | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| Toluene   | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 01/11/24 | 01/12/24       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 93.9 % | 70-130          |             | 01/11/24 | 01/12/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2402064 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 01/11/24 | 01/12/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 96.4 % | 70-130          |             | 01/11/24 | 01/12/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KM |          | Batch: 2402076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 01/12/24 | 01/12/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 01/12/24 | 01/12/24       |       |
| Surrogate: n-Nonane                                   | 98.0 % | 50-200          |             | 01/12/24 | 01/12/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2403007 |       |
| Chloride  | 30.7   | 20.0            | 1           | 01/15/24 | 01/15/24       |       |



Sample Data

|   |  |                                  |
|---|--|----------------------------------|
| Devon Energy - Carlsbad<br>6488 7 Rivers Hwy<br>Artesia NM, 88210 | Project Name: RDX Federal Com 17 #046H<br>Project Number: 01058-0007<br>Project Manager: Ashley Giovengo | Reported:<br>1/17/2024 9:13:26AM |
|---|--|----------------------------------|

BH04-1'

E401050-04

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2402064 |       |
| Benzene   | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| Toluene   | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 01/11/24 | 01/12/24       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 01/11/24 | 01/12/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 94.2 % | 70-130          |             | 01/11/24 | 01/12/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2402064 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 01/11/24 | 01/12/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 96.0 % | 70-130          |             | 01/11/24 | 01/12/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KM |          | Batch: 2402076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 01/12/24 | 01/15/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 01/12/24 | 01/15/24       |       |
| Surrogate: n-Nonane                                   | 91.0 % | 50-200          |             | 01/12/24 | 01/15/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2403007 |       |
| Chloride  | 83.7   | 20.0            | 1           | 01/15/24 | 01/15/24       |       |



Sample Data

|   |  |                                  |
|---|--|----------------------------------|
| Devon Energy - Carlsbad<br>6488 7 Rivers Hwy<br>Artesia NM, 88210 | Project Name: RDX Federal Com 17 #046H<br>Project Number: 01058-0007<br>Project Manager: Ashley Giovengo | Reported:<br>1/17/2024 9:13:26AM |
|---|--|----------------------------------|

BH05-1'

E401050-05

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: EG |          | Batch: 2402064 |
| Benzene   | ND     | 0.0250          | 1        | 01/11/24    | 01/12/24 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 01/11/24    | 01/12/24 |                |
| Toluene   | ND     | 0.0250          | 1        | 01/11/24    | 01/12/24 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 01/11/24    | 01/12/24 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 01/11/24    | 01/12/24 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 01/11/24    | 01/12/24 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |             |          |                |
|   | 93.4 % | 70-130          |          | 01/11/24    | 01/12/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: EG |          | Batch: 2402064 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 01/11/24    | 01/12/24 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |             |          |                |
|   | 97.7 % | 70-130          |          | 01/11/24    | 01/12/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KM |          | Batch: 2402076 |
| Diesel Range Organics (C10-C28)                       | 32.0   | 25.0            | 1        | 01/12/24    | 01/12/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 01/12/24    | 01/12/24 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |             |          |                |
|   | 86.3 % | 50-200          |          | 01/12/24    | 01/12/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2403007 |
| Chloride  | 729    | 20.0            | 1        | 01/15/24    | 01/15/24 |                |



Sample Data

|   |  |                                  |
|---|--|----------------------------------|
| Devon Energy - Carlsbad<br>6488 7 Rivers Hwy<br>Artesia NM, 88210 | Project Name: RDX Federal Com 17 #046H<br>Project Number: 01058-0007<br>Project Manager: Ashley Giovengo | Reported:<br>1/17/2024 9:13:26AM |
|---|--|----------------------------------|

BH06-1'

E401050-06

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: EG |          | Batch: 2402064 |
| Benzene   | ND     | 0.0250          | 1        | 01/11/24    | 01/13/24 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 01/11/24    | 01/13/24 |                |
| Toluene   | ND     | 0.0250          | 1        | 01/11/24    | 01/13/24 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 01/11/24    | 01/13/24 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 01/11/24    | 01/13/24 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 01/11/24    | 01/13/24 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |             |          |                |
|   | 94.2 % | 70-130          |          | 01/11/24    | 01/13/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: EG |          | Batch: 2402064 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 01/11/24    | 01/13/24 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |             |          |                |
|   | 96.2 % | 70-130          |          | 01/11/24    | 01/13/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KM |          | Batch: 2402076 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 01/12/24    | 01/13/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 01/12/24    | 01/13/24 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |             |          |                |
|   | 85.1 % | 50-200          |          | 01/12/24    | 01/13/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2403007 |
| Chloride  | ND     | 100             | 5        | 01/15/24    | 01/15/24 |                |





QC Summary Data

|                         |                  |                          |                     |
|-------------------------|------------------|--------------------------|---------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:           |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                     |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/17/2024 9:13:26AM |

Volatile Organics by EPA 8021B

Analyst: EG

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

Blank (2402064-BLK1) Prepared: 01/11/24 Analyzed: 01/12/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | ND   | 0.0250 |      |  |      |        |  |  |  |
| Ethylbenzene                        | ND   | 0.0250 |      |  |      |        |  |  |  |
| Toluene                             | ND   | 0.0250 |      |  |      |        |  |  |  |
| o-Xylene                            | ND   | 0.0250 |      |  |      |        |  |  |  |
| p,m-Xylene                          | ND   | 0.0500 |      |  |      |        |  |  |  |
| Total Xylenes                       | ND   | 0.0250 |      |  |      |        |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.65 |        | 8.00 |  | 95.6 | 70-130 |  |  |  |

LCS (2402064-BS1) Prepared: 01/11/24 Analyzed: 01/12/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | 4.88 | 0.0250 | 5.00 |  | 97.7 | 70-130 |  |  |  |
| Ethylbenzene                        | 4.86 | 0.0250 | 5.00 |  | 97.3 | 70-130 |  |  |  |
| Toluene                             | 4.91 | 0.0250 | 5.00 |  | 98.2 | 70-130 |  |  |  |
| o-Xylene                            | 4.90 | 0.0250 | 5.00 |  | 97.9 | 70-130 |  |  |  |
| p,m-Xylene                          | 9.94 | 0.0500 | 10.0 |  | 99.4 | 70-130 |  |  |  |
| Total Xylenes                       | 14.8 | 0.0250 | 15.0 |  | 98.9 | 70-130 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.67 |        | 8.00 |  | 95.9 | 70-130 |  |  |  |

Matrix Spike (2402064-MS1) Source: E401048-02 Prepared: 01/11/24 Analyzed: 01/12/24

|                                     |      |        |      |    |      |        |  |  |  |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene                             | 4.84 | 0.0250 | 5.00 | ND | 96.8 | 54-133 |  |  |  |
| Ethylbenzene                        | 4.81 | 0.0250 | 5.00 | ND | 96.3 | 61-133 |  |  |  |
| Toluene                             | 4.86 | 0.0250 | 5.00 | ND | 97.3 | 61-130 |  |  |  |
| o-Xylene                            | 4.83 | 0.0250 | 5.00 | ND | 96.6 | 63-131 |  |  |  |
| p,m-Xylene                          | 9.81 | 0.0500 | 10.0 | ND | 98.1 | 63-131 |  |  |  |
| Total Xylenes                       | 14.6 | 0.0250 | 15.0 | ND | 97.6 | 63-131 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.69 |        | 8.00 |    | 96.1 | 70-130 |  |  |  |

Matrix Spike Dup (2402064-MSD1) Source: E401048-02 Prepared: 01/11/24 Analyzed: 01/12/24

|                                     |      |        |      |    |      |        |        |    |  |
|-------------------------------------|------|--------|------|----|------|--------|--------|----|--|
| Benzene                             | 4.80 | 0.0250 | 5.00 | ND | 96.0 | 54-133 | 0.843  | 20 |  |
| Ethylbenzene                        | 4.80 | 0.0250 | 5.00 | ND | 95.9 | 61-133 | 0.364  | 20 |  |
| Toluene                             | 4.83 | 0.0250 | 5.00 | ND | 96.7 | 61-130 | 0.609  | 20 |  |
| o-Xylene                            | 4.83 | 0.0250 | 5.00 | ND | 96.5 | 63-131 | 0.0404 | 20 |  |
| p,m-Xylene                          | 9.78 | 0.0500 | 10.0 | ND | 97.8 | 63-131 | 0.389  | 20 |  |
| Total Xylenes                       | 14.6 | 0.0250 | 15.0 | ND | 97.3 | 63-131 | 0.274  | 20 |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.64 |        | 8.00 |    | 95.5 | 70-130 |        |    |  |



QC Summary Data

|                         |                  |                          |                     |
|-------------------------|------------------|--------------------------|---------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:           |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                     |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/17/2024 9:13:26AM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

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

Blank (2402064-BLK1) Prepared: 01/11/24 Analyzed: 01/12/24

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

LCS (2402064-BS2) Prepared: 01/11/24 Analyzed: 01/12/24

|   |      |      |      |  |      |        |  |  |  |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 52.6 | 20.0 | 50.0 |  | 105  | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.71 |      | 8.00 |  | 96.4 | 70-130 |  |  |  |

Matrix Spike (2402064-MS2) Source: E401048-02 Prepared: 01/11/24 Analyzed: 01/12/24

|   |      |      |      |    |      |        |  |  |  |
|---|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 51.5 | 20.0 | 50.0 | ND | 103  | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.84 |      | 8.00 |    | 98.0 | 70-130 |  |  |  |

Matrix Spike Dup (2402064-MSD2) Source: E401048-02 Prepared: 01/11/24 Analyzed: 01/12/24

|   |      |      |      |    |      |        |      |    |  |
|---|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10)        | 53.7 | 20.0 | 50.0 | ND | 107  | 70-130 | 4.16 | 20 |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.67 |      | 8.00 |    | 95.8 | 70-130 |      |    |  |



QC Summary Data

|                         |                  |                          |                     |
|-------------------------|------------------|--------------------------|---------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:           |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                     |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/17/2024 9:13:26AM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2402076-BLK1)            |      |      |      |  | Prepared: 01/12/24 Analyzed: 01/12/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |                                       |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |                                       |        |  |  |  |
| Surrogate: n-Nonane             | 43.0 |      | 50.0 |  | 85.9                                  | 50-200 |  |  |  |

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2402076-BS1)               |      |      |      |  | Prepared: 01/12/24 Analyzed: 01/12/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | 216  | 25.0 | 250  |  | 86.4                                  | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 43.9 |      | 50.0 |  | 87.8                                  | 50-200 |  |  |  |

|                                 |      |      |      |                    |      |                                       |  |  |  |
|---------------------------------|------|------|------|--------------------|------|---------------------------------------|--|--|--|
| Matrix Spike (2402076-MS1)      |      |      |      | Source: E401050-05 |      | Prepared: 01/12/24 Analyzed: 01/15/24 |  |  |  |
| Diesel Range Organics (C10-C28) | 259  | 25.0 | 250  | 32.0               | 90.9 | 38-132                                |  |  |  |
| Surrogate: n-Nonane             | 42.4 |      | 50.0 |                    | 84.8 | 50-200                                |  |  |  |

|                                 |      |      |      |                    |      |                                       |      |    |  |
|---------------------------------|------|------|------|--------------------|------|---------------------------------------|------|----|--|
| Matrix Spike Dup (2402076-MSD1) |      |      |      | Source: E401050-05 |      | Prepared: 01/12/24 Analyzed: 01/12/24 |      |    |  |
| Diesel Range Organics (C10-C28) | 268  | 25.0 | 250  | 32.0               | 94.5 | 38-132                                | 3.41 | 20 |  |
| Surrogate: n-Nonane             | 41.4 |      | 50.0 |                    | 82.9 | 50-200                                |      |    |  |



QC Summary Data

|                         |                  |                          |                     |
|-------------------------|------------------|--------------------------|---------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:           |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                     |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/17/2024 9:13:26AM |

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 (2403007-BLK1)            |     |      |     |     | Prepared: 01/15/24 Analyzed: 01/15/24 |        |                                       |    |  |
| Chloride                        | ND  | 20.0 |     |     |                                       |        |                                       |    |  |
| LCS (2403007-BS1)               |     |      |     |     | Prepared: 01/15/24 Analyzed: 01/15/24 |        |                                       |    |  |
| Chloride                        | 252 | 20.0 | 250 |     | 101                                   | 90-110 |                                       |    |  |
| Matrix Spike (2403007-MS1)      |     |      |     |     | Source: E401050-02                    |        | Prepared: 01/15/24 Analyzed: 01/15/24 |    |  |
| Chloride                        | 544 | 20.0 | 250 | 295 | 99.7                                  | 80-120 |                                       |    |  |
| Matrix Spike Dup (2403007-MSD1) |     |      |     |     | Source: E401050-02                    |        | Prepared: 01/15/24 Analyzed: 01/15/24 |    |  |
| Chloride                        | 530 | 20.0 | 250 | 295 | 94.0                                  | 80-120 | 2.66                                  | 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:    | RDX Federal Com 17 #046H |                |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               | Reported:      |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 01/17/24 09:13 |

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



## Project Information

## Chain of Custody

Client:

Report due by: Devon

Project: RDX Federal Com 17 #046H

Project Manager: Ashley Giovengo

Address: 3122 National Parks Hwy

City, State, Zip: Carlsbad NM, 88220

Phone: 575-988-0055

Email: agiovengo@ensolum.com

Report due by:

## Bill To

Attention: Jim Raley

Address: 5315 Buena Vista Dr

City, State, Zip: Carlsbad NM, 88220

Phone: (575)689-7597

Email: jim.raley@dvn.com

## Lab Use Only

Lab WO#

E401050

Job Number

010580007

## TAT

1D

2D

3D

Standard

CWA

SDWA

x

## Analysis and Method

TPH GRO/DRO/ORO by

8015

BTEX by 8021

VOC by 8260

Metals 6010

Chloride 300.0

## State

NM

CO

UT

AZ

TX

x

## Remarks

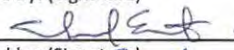
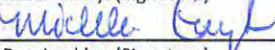
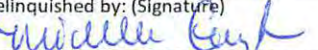
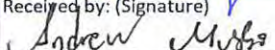
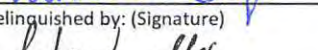
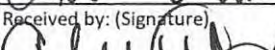
| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDGC TX | Remarks |
|--------------|--------------|--------|-------------------|-----------|------------|-------------------------|--------------|-------------|-------------|----------------|----------|---------|---------|
| 11:15        | 1/9/2024     | SOIL   | 1                 | BH01 - 1' | 1          |                         |              |             |             |                | X        |         |         |
| 11:28        | 1/9/2024     | SOIL   | 1                 | BH02 - 1' | 2          |                         |              |             |             |                | X        |         |         |
| 11:38        | 1/9/2024     | SOIL   | 1                 | BH03 - 1' | 3          |                         |              |             |             |                | X        |         |         |
| 11:49        | 1/9/2024     | SOIL   | 1                 | BH04 - 1' | 4          |                         |              |             |             |                | X        |         |         |
| 12:06        | 1/9/2024     | SOIL   | 1                 | BH05 - 1' | 5          |                         |              |             |             |                | X        |         |         |
| 12:15        | 1/9/2024     | SOIL   | 1                 | BH06 - 1' | 6          |                         |              |             |             |                | X        |         |         |
|              |              |        |                   |           |            |                         |              |             |             |                |          |         |         |
|              |              |        |                   |           |            |                         |              |             |             |                |          |         |         |
|              |              |        |                   |           |            |                         |              |             |             |                |          |         |         |
|              |              |        |                   |           |            |                         |              |             |             |                |          |         |         |
|              |              |        |                   |           |            |                         |              |             |             |                |          |         |         |
|              |              |        |                   |           |            |                         |              |             |             |                |          |         |         |

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, chamilton@ensolum.com, eharft@ensolum.com, iestrella@ensolum.com

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

Sampled by: Israel Estrella

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

|   |         |      |   |         |      |   |
|---|---------|------|---|---------|------|---|
| Relinquished by: (Signature)  | Date    | Time | Received by: (Signature)  | Date    | Time | Lab Use Only  |
|  | 1/10/24 | 8-23 |  | 1-10-24 | 0823 | Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N |
| Relinquished by: (Signature)  | Date    | Time | Received by: (Signature)  | Date    | Time | T1 T2 T3  |
|   | 1-10-24 | 1545 |  | 1-10-24 | 1645 |   |
| Relinquished by: (Signature)  | Date    | Time | Received by: (Signature)  | Date    | Time | AVG Temp °C   |
|   | 1-10-24 | 2245 |  | 1-11-24 | 1115 | 4   |

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 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



## Envirotech Analytical Laboratory

Printed: 1/11/2024 11:58:36AM

## 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:  | 01/11/24 11:15             | Work Order ID: | E401050        |
| Phone:  | (505) 382-1211                | Date Logged In: | 01/11/24 11:54             | Logged In By:  | Alexa Michaels |
| Email:  | ashley.giovengo@wescominc.com | Due Date:       | 01/17/24 17:00 (4 day TAT) |                |                |

**Chain of Custody (COC)**

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

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

Carrier: Courier**Comments/Resolution****Sample Turn Around Time (TAT)**

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

**Sample Cooler**

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

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

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

**Sample Container**

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

**Field Label**

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

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Client Instruction**

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: RDX Federal Com 17 #046H

Work Order: E401051

Job Number: 01058-0007

Received: 1/11/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/17/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 1/17/24

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: RDX Federal Com 17 #046H  
Workorder: E401051  
Date Received: 1/11/2024 11:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/11/2024 11:15:00AM, under the Project Name: RDX Federal Com 17 #046H.

The analytical test results summarized in this report with the Project Name: RDX Federal Com 17 #046H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

|                         |                  |                          |                |
|-------------------------|------------------|--------------------------|----------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:      |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 01/17/24 09:22 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| BH01-0'          | E401051-01A   | Soil   | 01/09/24 | 01/11/24 | Glass Jar, 2 oz. |
| BH02-0'          | E401051-02A   | Soil   | 01/09/24 | 01/11/24 | Glass Jar, 2 oz. |
| BH03-0'          | E401051-03A   | Soil   | 01/09/24 | 01/11/24 | Glass Jar, 2 oz. |
| BH04-0'          | E401051-04A   | Soil   | 01/09/24 | 01/11/24 | Glass Jar, 2 oz. |
| BH05-0'          | E401051-05A   | Soil   | 01/09/24 | 01/11/24 | Glass Jar, 2 oz. |
| BH06-0'          | E401051-06A   | Soil   | 01/09/24 | 01/11/24 | Glass Jar, 2 oz. |



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: RDX Federal Com 17 #046H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
1/17/2024 9:22:25AM

BH01-0'

E401051-01

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: EG |          | Batch: 2402064 |
| Benzene   | ND     | 0.0250          | 1        | 01/11/24    | 01/13/24 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 01/11/24    | 01/13/24 |                |
| Toluene   | ND     | 0.0250          | 1        | 01/11/24    | 01/13/24 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 01/11/24    | 01/13/24 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 01/11/24    | 01/13/24 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 01/11/24    | 01/13/24 |                |
| Surrogate: 4-Bromochlorobenzene-PID                   | 93.2 % | 70-130          |          | 01/11/24    | 01/13/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: EG |          | Batch: 2402064 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 01/11/24    | 01/13/24 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 96.5 % | 70-130          |          | 01/11/24    | 01/13/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KM |          | Batch: 2402076 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 01/12/24    | 01/13/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 01/12/24    | 01/13/24 |                |
| Surrogate: n-Nonane                                   | 82.4 % | 50-200          |          | 01/12/24    | 01/13/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2403007 |
| Chloride  | 1780   | 40.0            | 2        | 01/15/24    | 01/15/24 |                |



Sample Data

|   |  |                                  |
|---|--|----------------------------------|
| Devon Energy - Carlsbad<br>6488 7 Rivers Hwy<br>Artesia NM, 88210 | Project Name: RDX Federal Com 17 #046H<br>Project Number: 01058-0007<br>Project Manager: Ashley Giovengo | Reported:<br>1/17/2024 9:22:25AM |
|---|--|----------------------------------|

BH02-0'

E401051-02

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2402064 |       |
| Benzene   | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| Toluene   | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 01/11/24 | 01/13/24       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 93.2 % | 70-130          |             | 01/11/24 | 01/13/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2402064 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 01/11/24 | 01/13/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 96.4 % | 70-130          |             | 01/11/24 | 01/13/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KM |          | Batch: 2402076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 01/12/24 | 01/13/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 01/12/24 | 01/13/24       |       |
| Surrogate: n-Nonane                                   | 94.5 % | 50-200          |             | 01/12/24 | 01/13/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2403007 |       |
| Chloride  | 5940   | 100             | 5           | 01/15/24 | 01/15/24       |       |





Sample Data

|   |  |                                  |
|---|--|----------------------------------|
| Devon Energy - Carlsbad<br>6488 7 Rivers Hwy<br>Artesia NM, 88210 | Project Name: RDX Federal Com 17 #046H<br>Project Number: 01058-0007<br>Project Manager: Ashley Giovengo | Reported:<br>1/17/2024 9:22:25AM |
|---|--|----------------------------------|

BH03-0'

E401051-03

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2402064 |       |
| Benzene   | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| Toluene   | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 01/11/24 | 01/13/24       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 93.9 % | 70-130          |             | 01/11/24 | 01/13/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2402064 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 01/11/24 | 01/13/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 97.2 % | 70-130          |             | 01/11/24 | 01/13/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KM |          | Batch: 2402076 |       |
| Diesel Range Organics (C10-C28)                       | 370    | 25.0            | 1           | 01/12/24 | 01/13/24       |       |
| Oil Range Organics (C28-C36)                          | 275    | 50.0            | 1           | 01/12/24 | 01/13/24       |       |
| Surrogate: n-Nonane                                   | 90.1 % | 50-200          |             | 01/12/24 | 01/13/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2403007 |       |
| Chloride  | 283    | 20.0            | 1           | 01/15/24 | 01/15/24       |       |



Sample Data

|   |  |                                  |
|---|--|----------------------------------|
| Devon Energy - Carlsbad<br>6488 7 Rivers Hwy<br>Artesia NM, 88210 | Project Name: RDX Federal Com 17 #046H<br>Project Number: 01058-0007<br>Project Manager: Ashley Giovengo | Reported:<br>1/17/2024 9:22:25AM |
|---|--|----------------------------------|

BH04-0'

E401051-04

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2402064 |       |
| Benzene   | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| Toluene   | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 01/11/24 | 01/13/24       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 92.7 % | 70-130          |             | 01/11/24 | 01/13/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2402064 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 01/11/24 | 01/13/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 97.1 % | 70-130          |             | 01/11/24 | 01/13/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KM |          | Batch: 2402076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 01/12/24 | 01/13/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 01/12/24 | 01/13/24       |       |
| Surrogate: n-Nonane                                   | 87.5 % | 50-200          |             | 01/12/24 | 01/13/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2403007 |       |
| Chloride  | 478    | 20.0            | 1           | 01/15/24 | 01/15/24       |       |



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: RDX Federal Com 17 #046H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
1/17/2024 9:22:25AM

BH05-0'

E401051-05

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: EG |          | Batch: 2402064 |
| Benzene   | ND     | 0.0250          | 1        | 01/11/24    | 01/13/24 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 01/11/24    | 01/13/24 |                |
| Toluene   | ND     | 0.0250          | 1        | 01/11/24    | 01/13/24 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 01/11/24    | 01/13/24 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 01/11/24    | 01/13/24 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 01/11/24    | 01/13/24 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |             |          |                |
|   | 91.4 % | 70-130          |          | 01/11/24    | 01/13/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: EG |          | Batch: 2402064 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 01/11/24    | 01/13/24 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |             |          |                |
|   | 95.5 % | 70-130          |          | 01/11/24    | 01/13/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KM |          | Batch: 2402076 |
| Diesel Range Organics (C10-C28)                       | 1090   | 25.0            | 1        | 01/12/24    | 01/13/24 |                |
| Oil Range Organics (C28-C36)                          | 613    | 50.0            | 1        | 01/12/24    | 01/13/24 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |             |          |                |
|   | 84.2 % | 50-200          |          | 01/12/24    | 01/13/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2403007 |
| Chloride  | 190    | 20.0            | 1        | 01/15/24    | 01/15/24 |                |



Sample Data

|   |  |                                  |
|---|--|----------------------------------|
| Devon Energy - Carlsbad<br>6488 7 Rivers Hwy<br>Artesia NM, 88210 | Project Name: RDX Federal Com 17 #046H<br>Project Number: 01058-0007<br>Project Manager: Ashley Giovengo | Reported:<br>1/17/2024 9:22:25AM |
|---|--|----------------------------------|

BH06-0'

E401051-06

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2402064 |       |
| Benzene   | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| Toluene   | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 01/11/24 | 01/13/24       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 01/11/24 | 01/13/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 93.0 % | 70-130          |             | 01/11/24 | 01/13/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: EG |          | Batch: 2402064 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 01/11/24 | 01/13/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 96.1 % | 70-130          |             | 01/11/24 | 01/13/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KM |          | Batch: 2402076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 01/12/24 | 01/15/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 01/12/24 | 01/15/24       |       |
| Surrogate: n-Nonane                                   | 84.2 % | 50-200          |             | 01/12/24 | 01/15/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2403007 |       |
| Chloride  | 198    | 20.0            | 1           | 01/15/24 | 01/15/24       |       |



QC Summary Data

|                         |                  |                          |                     |
|-------------------------|------------------|--------------------------|---------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:           |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                     |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/17/2024 9:22:25AM |

Volatile Organics by EPA 8021B

Analyst: EG

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

Blank (2402064-BLK1) Prepared: 01/11/24 Analyzed: 01/12/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | ND   | 0.0250 |      |  |      |        |  |  |  |
| Ethylbenzene                        | ND   | 0.0250 |      |  |      |        |  |  |  |
| Toluene                             | ND   | 0.0250 |      |  |      |        |  |  |  |
| o-Xylene                            | ND   | 0.0250 |      |  |      |        |  |  |  |
| p,m-Xylene                          | ND   | 0.0500 |      |  |      |        |  |  |  |
| Total Xylenes                       | ND   | 0.0250 |      |  |      |        |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.65 |        | 8.00 |  | 95.6 | 70-130 |  |  |  |

LCS (2402064-BS1) Prepared: 01/11/24 Analyzed: 01/12/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | 4.88 | 0.0250 | 5.00 |  | 97.7 | 70-130 |  |  |  |
| Ethylbenzene                        | 4.86 | 0.0250 | 5.00 |  | 97.3 | 70-130 |  |  |  |
| Toluene                             | 4.91 | 0.0250 | 5.00 |  | 98.2 | 70-130 |  |  |  |
| o-Xylene                            | 4.90 | 0.0250 | 5.00 |  | 97.9 | 70-130 |  |  |  |
| p,m-Xylene                          | 9.94 | 0.0500 | 10.0 |  | 99.4 | 70-130 |  |  |  |
| Total Xylenes                       | 14.8 | 0.0250 | 15.0 |  | 98.9 | 70-130 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.67 |        | 8.00 |  | 95.9 | 70-130 |  |  |  |

Matrix Spike (2402064-MS1) Source: E401048-02 Prepared: 01/11/24 Analyzed: 01/12/24

|                                     |      |        |      |    |      |        |  |  |  |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene                             | 4.84 | 0.0250 | 5.00 | ND | 96.8 | 54-133 |  |  |  |
| Ethylbenzene                        | 4.81 | 0.0250 | 5.00 | ND | 96.3 | 61-133 |  |  |  |
| Toluene                             | 4.86 | 0.0250 | 5.00 | ND | 97.3 | 61-130 |  |  |  |
| o-Xylene                            | 4.83 | 0.0250 | 5.00 | ND | 96.6 | 63-131 |  |  |  |
| p,m-Xylene                          | 9.81 | 0.0500 | 10.0 | ND | 98.1 | 63-131 |  |  |  |
| Total Xylenes                       | 14.6 | 0.0250 | 15.0 | ND | 97.6 | 63-131 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.69 |        | 8.00 |    | 96.1 | 70-130 |  |  |  |

Matrix Spike Dup (2402064-MSD1) Source: E401048-02 Prepared: 01/11/24 Analyzed: 01/12/24

|                                     |      |        |      |    |      |        |        |    |  |
|-------------------------------------|------|--------|------|----|------|--------|--------|----|--|
| Benzene                             | 4.80 | 0.0250 | 5.00 | ND | 96.0 | 54-133 | 0.843  | 20 |  |
| Ethylbenzene                        | 4.80 | 0.0250 | 5.00 | ND | 95.9 | 61-133 | 0.364  | 20 |  |
| Toluene                             | 4.83 | 0.0250 | 5.00 | ND | 96.7 | 61-130 | 0.609  | 20 |  |
| o-Xylene                            | 4.83 | 0.0250 | 5.00 | ND | 96.5 | 63-131 | 0.0404 | 20 |  |
| p,m-Xylene                          | 9.78 | 0.0500 | 10.0 | ND | 97.8 | 63-131 | 0.389  | 20 |  |
| Total Xylenes                       | 14.6 | 0.0250 | 15.0 | ND | 97.3 | 63-131 | 0.274  | 20 |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.64 |        | 8.00 |    | 95.5 | 70-130 |        |    |  |



QC Summary Data

|                         |                  |                          |                     |
|-------------------------|------------------|--------------------------|---------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:           |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                     |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/17/2024 9:22:25AM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

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

Blank (2402064-BLK1) Prepared: 01/11/24 Analyzed: 01/12/24

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

LCS (2402064-BS2) Prepared: 01/11/24 Analyzed: 01/12/24

|   |      |      |      |  |      |        |  |  |  |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 52.6 | 20.0 | 50.0 |  | 105  | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.71 |      | 8.00 |  | 96.4 | 70-130 |  |  |  |

Matrix Spike (2402064-MS2) Source: E401048-02 Prepared: 01/11/24 Analyzed: 01/12/24

|   |      |      |      |    |      |        |  |  |  |
|---|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 51.5 | 20.0 | 50.0 | ND | 103  | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.84 |      | 8.00 |    | 98.0 | 70-130 |  |  |  |

Matrix Spike Dup (2402064-MSD2) Source: E401048-02 Prepared: 01/11/24 Analyzed: 01/12/24

|   |      |      |      |    |      |        |      |    |  |
|---|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10)        | 53.7 | 20.0 | 50.0 | ND | 107  | 70-130 | 4.16 | 20 |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.67 |      | 8.00 |    | 95.8 | 70-130 |      |    |  |



QC Summary Data

|                         |                  |                          |                     |
|-------------------------|------------------|--------------------------|---------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:           |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                     |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/17/2024 9:22:25AM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2402076-BLK1)            |      |      |      |  | Prepared: 01/12/24 Analyzed: 01/12/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |                                       |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |                                       |        |  |  |  |
| Surrogate: n-Nonane             | 43.0 |      | 50.0 |  | 85.9                                  | 50-200 |  |  |  |

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2402076-BS1)               |      |      |      |  | Prepared: 01/12/24 Analyzed: 01/12/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | 216  | 25.0 | 250  |  | 86.4                                  | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 43.9 |      | 50.0 |  | 87.8                                  | 50-200 |  |  |  |

|                                 |      |      |      |      |                    |        |                                       |  |  |
|---------------------------------|------|------|------|------|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2402076-MS1)      |      |      |      |      | Source: E401050-05 |        | Prepared: 01/12/24 Analyzed: 01/15/24 |  |  |
| Diesel Range Organics (C10-C28) | 259  | 25.0 | 250  | 32.0 | 90.9               | 38-132 |                                       |  |  |
| Surrogate: n-Nonane             | 42.4 |      | 50.0 |      | 84.8               | 50-200 |                                       |  |  |

|                                 |      |      |      |      |                    |        |                                       |    |  |
|---------------------------------|------|------|------|------|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2402076-MSD1) |      |      |      |      | Source: E401050-05 |        | Prepared: 01/12/24 Analyzed: 01/12/24 |    |  |
| Diesel Range Organics (C10-C28) | 268  | 25.0 | 250  | 32.0 | 94.5               | 38-132 | 3.41                                  | 20 |  |
| Surrogate: n-Nonane             | 41.4 |      | 50.0 |      | 82.9               | 50-200 |                                       |    |  |





QC Summary Data

|                         |                  |                          |                     |
|-------------------------|------------------|--------------------------|---------------------|
| Devon Energy - Carlsbad | Project Name:    | RDX Federal Com 17 #046H | Reported:           |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               |                     |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 1/17/2024 9:22:25AM |

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 (2403007-BLK1)            |     |      |     |     | Prepared: 01/15/24 Analyzed: 01/15/24 |        |                                       |    |  |
| Chloride                        | ND  | 20.0 |     |     |                                       |        |                                       |    |  |
| LCS (2403007-BS1)               |     |      |     |     | Prepared: 01/15/24 Analyzed: 01/15/24 |        |                                       |    |  |
| Chloride                        | 252 | 20.0 | 250 |     | 101                                   | 90-110 |                                       |    |  |
| Matrix Spike (2403007-MS1)      |     |      |     |     | Source: E401050-02                    |        | Prepared: 01/15/24 Analyzed: 01/15/24 |    |  |
| Chloride                        | 544 | 20.0 | 250 | 295 | 99.7                                  | 80-120 |                                       |    |  |
| Matrix Spike Dup (2403007-MSD1) |     |      |     |     | Source: E401050-02                    |        | Prepared: 01/15/24 Analyzed: 01/15/24 |    |  |
| Chloride                        | 530 | 20.0 | 250 | 295 | 94.0                                  | 80-120 | 2.66                                  | 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:    | RDX Federal Com 17 #046H |                |
| 6488 7 Rivers Hwy       | Project Number:  | 01058-0007               | Reported:      |
| Artesia NM, 88210       | Project Manager: | Ashley Giovengo          | 01/17/24 09:22 |

- 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.



## Project Information

## Chain of Custody

Page 1 of 1

Client:

Report due by: Devon  
Project: RDX Federal Com 17 #046H  
Project Manager: Ashley Gioveno  
Address: 3122 National Parks Hwy  
City, State, Zip: Carlsbad NM, 88220  
Phone: 575-988-0055  
Email: agioveno@ensolum.com  
Report due by:

## Bill To

Attention: Jim Raley  
Address: 5315 Buena Vista Dr  
City, State, Zip: Carlsbad NM, 88220  
Phone: (575)689-7597  
Email: jim.raley@dvn.com

## Lab Use Only

Lab WO# E401051 Job Number 010580007

## TAT

1D 2D 3D Standard  
x

## EPA Program

CWA SDWA

## Analysis and Method

TPH GRO/DRO/ORO by 8015  
BTEX by 8021  
VOC by 8260  
Metals 6010  
Chloride 300.0  
BGDOC NM  
GDGC TX

## State

NM CO UT AZ TX  
x

## Remarks

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDGC TX | Remarks |
|--------------|--------------|--------|-------------------|-----------|------------|-------------------------|--------------|-------------|-------------|----------------|----------|---------|---------|
| 11:05        | 1/9/2024     | SOIL   | 1                 | BH01 - 0' | 1          |                         |              |             |             |                | X        |         |         |
| 11:17        | 1/9/2024     | SOIL   | 1                 | BH02 - 0' | 2          |                         |              |             |             |                | X        |         |         |
| 11:31        | 1/9/2024     | SOIL   | 1                 | BH03 - 0' | 3          |                         |              |             |             |                | X        |         |         |
| 11:44        | 1/9/2024     | SOIL   | 1                 | BH04 - 0' | 4          |                         |              |             |             |                | X        |         |         |
| 11:52        | 1/9/2024     | SOIL   | 1                 | BH05 - 0' | 5          |                         |              |             |             |                | X        |         |         |
| 12:10        | 1/9/2024     | SOIL   | 1                 | BH06 - 0' | 6          |                         |              |             |             |                | X        |         |         |
|              |              |        |                   |           |            |                         |              |             |             |                |          |         |         |
|              |              |        |                   |           |            |                         |              |             |             |                |          |         |         |
|              |              |        |                   |           |            |                         |              |             |             |                |          |         |         |
|              |              |        |                   |           |            |                         |              |             |             |                |          |         |         |
|              |              |        |                   |           |            |                         |              |             |             |                |          |         |         |

Additional Instructions: Please CC: cburton@ensolum.com, agioveno@ensolum.com, jim.raley@dvn.com, chamilton@ensolum.com, eharft@ensolum.com, iestrella@ensolum.com

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

Sampled by: Israel Estrella

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

|   |                     |                  |  |                     |                  |   |
|---|---------------------|------------------|--|---------------------|------------------|---|
| Relinquished by: (Signature) <u>Israel Estrella</u> | Date <u>1/10/24</u> | Time <u>8:23</u> | Received by: (Signature) <u>Nichelle Gayle</u> | Date <u>1-10-24</u> | Time <u>0823</u> | Lab Use Only<br>Received on ice: <u>Y</u> N |
| Relinquished by: (Signature) <u>Nichelle Gayle</u>  | Date <u>1-10-24</u> | Time <u>1545</u> | Received by: (Signature) <u>Andrew Morris</u>  | Date <u>1-10-24</u> | Time <u>1645</u> | T1 _____ T2 _____ T3 _____                  |
| Relinquished by: (Signature) <u>Andrew Morris</u>   | Date <u>1-10-24</u> | Time <u>2245</u> | Received by: (Signature) <u>Andrew Morris</u>  | Date <u>1-11-24</u> | Time <u>1115</u> | AVG Temp °C <u>4</u>                        |

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 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

## Envirotech Analytical Laboratory

Printed: 1/11/2024 12:03:53PM

## 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:  | 01/11/24 11:15             | Work Order ID: | E401051        |
| Phone:  | (505) 382-1211                | Date Logged In: | 01/11/24 12:00             | Logged In By:  | Alexa Michaels |
| Email:  | ashley.giovengo@wescominc.com | Due Date:       | 01/17/24 17:00 (4 day TAT) |                |                |

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



## APPENDIX E

### Email Correspondence

---

**Chad Hamilton**

---

**From:** OCDOnline@state.nm.us  
**Sent:** Thursday, January 4, 2024 1:23 PM  
**To:** Raley, Jim  
**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 300035

To whom it may concern (c/o James Raley for WPX Energy Permian, LLC),

The OCD has received the submitted *Notification for Liner Inspection for a Release* (C-141L), for incident ID (n#) nAPP2335444051.

The liner inspection is expected to take place:

**When:** 01/09/2024 @ 09:30

**Where:** C-17-26S-30E 75 FNL 2510 FWL (32.0496421,-103.9039143)

**Additional Information:** N/A

**Additional Instructions:** Lat/Long: 32.0496421,-103.9039143. Tank Containment

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, liner inspection pursuant to 19.15.29.11.A(5)(a) NMAC is required. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505



**District I**1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720**District II**811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720**District III**1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170**District IV**1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 312246

**QUESTIONS**

|  |   |
|--|---|
| Operator:<br>WPX Energy Permian, LLC<br>Devon Energy - Regulatory<br>Oklahoma City, OK 73102 | OGRID:<br>246289  |
|  | Action Number:<br>312246  |
|  | Action Type:<br>[C-141] Deferral Request C-141 (C-141-v-Deferral) |

**QUESTIONS**

| Prerequisites    |  |
|------------------|--|
| Incident ID (n#) | nAPP2335444051   |
| Incident Name    | NAPP2335444051 RDX FEDERAL COM 17 #046H @ 30-015-44410 |
| Incident Type    | Produced Water Release                                 |
| Incident Status  | Deferral Request Received                              |
| Incident Well    | [30-015-44410] RDX FEDERAL COM 17 #046H                |

**Location of Release Source***Please answer all the questions in this group.*

|                         |                          |
|-------------------------|--------------------------|
| Site Name               | RDX FEDERAL COM 17 #046H |
| Date Release Discovered | 12/16/2023               |
| Surface Owner           | Federal                  |

**Incident Details***Please answer all the questions in this group.*

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

**Nature and Volume of Release***Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

|  |  |
|--|--|
| Crude Oil Released (bbls) Details  | Not answered.  |
| Produced Water Released (bbls) Details   | Cause: Equipment Failure   Coupling   Produced Water   Released: 8 BBL   Recovered: 8 BBL   Lost: 0 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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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 312246

**QUESTIONS (continued)**

|  |                |
|--|----------------|
| Operator:<br>WPX Energy Permian, LLC<br>Devon Energy - Regulatory<br>Oklahoma City, OK 73102 | OGRID:         |
|  | 246289         |
|  | Action Number: |
|  | 312246         |
| Action Type:   |                |
| [C-141] Deferral Request C-141 (C-141-v-Deferral)  |                |

**QUESTIONS**

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

**Initial Response**

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

|  |               |
|--|---------------|
| The source of the release has been stopped   | True          |
| The impacted area has been secured to protect human health and the environment                                     | True          |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True          |
| All free liquids and recoverable materials have been removed and managed appropriately                             | True          |
| 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<br>Title: EHS Professional<br>Email: jim.raley@dmv.com<br>Date: 12/20/2023 |
|--|--|

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QUESTIONS, Page 3

Action 312246

**QUESTIONS (continued)**

|  |   |
|--|---|
| Operator:<br>WPX Energy Permian, LLC<br>Devon Energy - Regulatory<br>Oklahoma City, OK 73102 | OGRID:  |
|  | 246289  |
|  | Action Number:                                    |
|  | 312246  |
|  | Action Type:                                      |
|  | [C-141] Deferral Request C-141 (C-141-v-Deferral) |

**QUESTIONS****Site Characterization**

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

|  |                           |
|--|---------------------------|
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | Between 100 and 500 (ft.) |
| What method was used to determine the depth to ground water  | Attached Document         |
| Did this release impact groundwater or surface water   | No                        |
| <b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>   |                           |
| A continuously flowing watercourse or any other significant watercourse  | Between ½ and 1 (mi.)     |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)  | Greater than 5 (mi.)      |
| An occupied permanent residence, school, hospital, institution, or church  | Greater than 5 (mi.)      |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes  | Greater than 5 (mi.)      |
| Any other fresh water well or spring   | Greater than 5 (mi.)      |
| Incorporated municipal boundaries or a defined municipal fresh water well field  | Greater than 5 (mi.)      |
| A wetland  | Between 1 and 5 (mi.)     |
| A subsurface mine  | Greater than 5 (mi.)      |
| An (non-karst) unstable area   | Between 1 and 5 (mi.)     |
| Categorize the risk of this well / site being in a karst geology   | Medium                    |
| A 100-year floodplain  | Between ½ and 1 (mi.)     |
| Did the release impact areas not on an exploration, development, production, or storage site                               | No                        |

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

|   |     |
|---|-----|
| Requesting a remediation plan approval with this submission   | Yes |
| 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)         | 5940 |
| TPH (GRO+DRO+MRO) | (EPA SW-846 Method 8015M)          | 1703 |
| GRO+DRO           | (EPA SW-846 Method 8015M)          | 1090 |
| 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                        | 01/01/2050 |
| On what date will (or did) the final sampling or liner inspection occur     | 01/30/2050 |
| On what date will (or was) the remediation complete(d)                      | 01/30/2050 |
| What is the estimated surface area (in square feet) that will be reclaimed  | 7525       |
| What is the estimated volume (in cubic yards) that will be reclaimed        | 279        |
| What is the estimated surface area (in square feet) that will be remediated | 7525       |
| What is the estimated volume (in cubic yards) that will be remediated       | 279        |

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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QUESTIONS, Page 4

Action 312246

**QUESTIONS (continued)**

|  |                |   |
|--|----------------|---|
| Operator:<br>WPX Energy Permian, LLC<br>Devon Energy - Regulatory<br>Oklahoma City, OK 73102 | OGRID:         | 246289  |
|  | Action Number: | 312246  |
|  | Action Type:   | [C-141] Deferral Request C-141 (C-141-v-Deferral) |
|  |                |   |

**QUESTIONS****Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

|   |               |
|---|---------------|
| (Select all answers below that apply.)  |               |
| (Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.) | Yes           |
| Which OCD approved facility will be used for <b>off-site</b> disposal                 | Not answered. |
| <b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal     | Not answered. |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state              | Yes           |
| In which state is the disposal taking place   | Texas         |
| What is the name of the out-of-state facility   | R360          |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility          | Not answered. |
| (Ex Situ) Excavation and <b>on-site</b> 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<br>Title: EHS Professional<br>Email: jim.raley@dvni.com<br>Date: 02/07/2024 |
|--|---|

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

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QUESTIONS, Page 5

Action 312246

**QUESTIONS (continued)**

|  |                |   |
|--|----------------|---|
| Operator:<br>WPX Energy Permian, LLC<br>Devon Energy - Regulatory<br>Oklahoma City, OK 73102 | OGRID:         | 246289  |
|  | Action Number: | 312246  |
|  | Action Type:   | [C-141] Deferral Request C-141 (C-141-v-Deferral) |
|  |                |   |

**QUESTIONS****Deferral Requests Only**

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

|  |  |
|--|--|
| Requesting a deferral of the remediation closure due date with the approval of this submission   | Yes  |
| Have the lateral and vertical extents of contamination been fully delineated   | Yes  |
| Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction   | Yes  |
| Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction  | Production tanks   |
| What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted   | 7525   |
| What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted   | 279  |
| Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.  |  |
| Enter the facility ID (f#) on which this deferral should be granted  | Not answered.  |
| Enter the well API (30-) on which this deferral should be granted  | 30-015-44410 RDX FEDERAL COM 17 #046H  |
| Contamination does not cause an imminent risk to human health, the environment, or groundwater   | True   |
| Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed 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<br>Title: EHS Professional<br>Email: jim.raley@dmn.com<br>Date: 02/07/2024 |

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QUESTIONS, Page 6  
  
Action 312246

QUESTIONS (continued)

|  |   |
|--|---|
| Operator:<br><br>WPX Energy Permian, LLC<br>Devon Energy - Regulatory<br>Oklahoma City, OK 73102 | OGRID:<br><br>246289  |
|  | Action Number:<br><br>312246  |
|  | Action Type:<br><br>[C-141] Deferral Request C-141 (C-141-v-Deferral) |

QUESTIONS

|  |                |
|--|----------------|
| Sampling Event Information                   |                |
| Last sampling notification (C-141N) recorded | {Unavailable.} |

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

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CONDITIONS

Action 312246

CONDITIONS

|  |   |
|--|---|
| Operator:<br>WPX Energy Permian, LLC<br>Devon Energy - Regulatory<br>Oklahoma City, OK 73102 | OGRID:<br>246289  |
|  | Action Number:<br>312246  |
|  | Action Type:<br>[C-141] Deferral Request C-141 (C-141-v-Deferral) |

CONDITIONS

| Created By | Condition   | Condition Date |
|------------|---|----------------|
| scwells    | Deferral approved. Deferral of BH05 beneath tank battery is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time. | 5/13/2024      |