Environmental & Safety Solutions, Inc.

DEFERRAL REQUEST REPORT

RDX Federal Com 28 #009H

Eddy County, New Mexico

Incident Numbers

nAB1632648516

nAPP2406527330

Prepared For:

WPX Energy Permian, LLC

5315 Buena Vista Dr.

Carlsbad, NM 88220

Carlsbad ● Houston ● Midland ● San Antonio ● Lubbock ● Hobbs ● Lafayette

SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of WPX Energy Permian, LLC (WPX), presents the following Deferral Request Report (DRR) to detail corrective actions and subsequent soil sampling events performed for two overlapping, inadvertent releases of crude oil and produced water at the RDX Federal Com 28 #009H (Site) (**Figure 1** in **Appendix A**). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, WPX is requesting to defer residual impacted soil beneath a lined tank battery containment (TB containment) and No further Action (NFA) until the Site undergoes major deconstruction or plugging and abandonment (P&A) activities, which ever comes first.

SITE LOCATION AND RELEASE BACKGROUNDS

Incident Number nAB1632648516

On November 4, 2016, a mechanical malfunction of the separator caused the release of approximately 85 barrels (bbls) of a crude oil and produced water mixture onto the well pad surface. Vacuum trucks were dispatched to the Site and recovered approximately 75 bbls of fluids. All fluids were reported to be contained to the well pad. Immediate notice was given via email within 24 hours to the New Mexico Oil conservation Division (NMOCD) via email on November 5, 2016. WPX reported the release to the NMOCD on a Corrective Action Form C-141 (Form C-141), on November 17, 2016, and was subsequently assigned Incident Number nAB1632648516. **Figure 2** in **Appendix A** depicts the observed release footprint, hereafter referred to as the Area of Concern #1 (AOC #1).

The well pad (API 30-015-43294) for this Site is located in Unit C, Section 28, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.030564°, -103.8912511°) as provided in the initial Form C-141 and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

The separator, where the release occurred, is located in the northeastern corner of the well pad (32.019742, -103.889568°). The updated coordinates are provided on the Final Form C-141.

A series of Closure reports were prepared and submitted, and were denied due to the following reason(s):

October 2, 2023

- *"Closure denied. All areas not reasonably needed for production or subsequent drilling operations must be reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene. Submit a report via the OCD permitting portal by 12/29/2023."*

December 19, 2023

- *"This application has been rejected because the C-141 is incomplete. The submitted application indicates a conflict between the questions answered and the attachments that have been submitted. For example, the answer "No" was selected when requesting a remediation plan approval; however, your attachments indicate that your intent is to request a remediation closure report approval. Please review the December 1, 2023 Public Notice titled "Implementation of Digital C-141 and New Incident Statuses" found on the EMNRD website. Review your C-141 submission and submit a new C-141 answering the appropriate questions for your circumstance."*

Released to Imaging: 8/9/2024 9:18:13 AM

December 22, 2023

- *"Deferral denied. Area of concern, as depicted on Figure 2, is not fully delineated. The submitted sample results are for delineation and site characterization. To meet remediation standards, confirmation soil samples must consist of five-point composite samples from the side wall and base and individual grab samples from any wet or discolored areas, representing a surface area of no more than 200 ft2 unless otherwise approved. Remediation closure can be requested when conditions of 19.15.29.12 NMAC are met. A remediation closure plan can be submitted if all the conditions of 19.15.29.12 NAM are met. Submit a complete report by 4/30/2024."*

Due to the large extent of the AOC #1, NMOCD approved a Sampling Variance Request (SVR) for 5-point composite confirmation soil samples to represent a maximum of 400 square feet per soil sample collected from within the AOC #1 floor and 200 square feet for lateral/edge confirmation soil samples on February 12, 2024. The SVR and approved email receipt is provided in **Appendix B**.

Incident Number nAPP2406527330

On March 3, 2024, a 2-inch underground tank equalizer line developed a leak and caused a release of 6.5 bbls of crude oil to be released beneath the lined tank battery containment and breach the adjacent pad surface, partially overlapping the north and south release footprint of AOC #1. No fluids were recovered. WPX reported the release to the NMOCD on a Release Notification on March 5, 2024, which was subsequently assigned Incident Number nAPP2406527330.

On March 5, 2024, Etech conducted initial site assessment activities which included mapping the observed release footprint, hereafter referred to as Area of Concern #2 (AOC #2), which is depicted in **Figure 2** in **Appendix A**. On March 21, 2024, Etech conducted a liner inspection following a 48-hour notice to the NMOCD and determined the integrity of the liner was compromised. A third-party contractor conducted initial soil removal of impacted pad surface around the containment.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Based on the desktop review for the Site according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs), based off a nearby soil boring advanced by Talon LPE on behalf of WPX, located approximately 0.34 miles north of the Site on the RDX Federal Com 21-43 well pad. Soil boring (MW-1) was advanced on December 9, 2020, via a truck mounted drill rig equipped with a hollow stem auger to a total depth of 105 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. Following the observation period, the boring was plugged and abandoned according to the

appropriate regulations. The well log for the referenced soil boring is provided in **Appendix C**. The soil boring location and regional groundwater well locations are shown in **Figure 1A** in **Appendix A**.

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

Based on the results from the desktop review and regional depth to groundwater at the Site, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria†
Chloride	Environmental Protection Agency (EPA) 300.0	20,000 milligram per kilogram (mg/kg)
TPH (Total Petroleum Hydrocarbon)	EPA 8015 M/D	2,500 mg/kg
Gasoline Range Organics (GRO) + Diesel Range Organics (DRO)	EPA 8015 M/D	1,000 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B	50 mg/kg

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

PREVIOUS DELINEATION SOIL SAMPLING ACTIVITIES

Incident Number nAB1632648516

As documented in a previously submitted Closure Variance Request (CVR), from June 22, 2023, to August 18, 2023, Etech conducted site assessment and delineation activities to characterize the subject release by verifying the presence or absence of impacted soil. Ten delineation potholes (PH01 through PH10) were advanced via mechanical equipment and/or hand auger to assess the lateral and vertical extents of the AOC #1. Delineation activities were driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. A total of two samples were collected from each delineation soil sample location, representing the highest observed field screening concentrations and the greatest depth. Field screening results and soil descriptions are included on soil sampling logs shown in **Appendix D**. The locations of the delineation soil samples are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix E**.

CONTINUED DELINEATION SOIL SAMPLING ACTIVITIES

Incident Number nAPP240657330

From March 21, 2024, to June 5, 2024, delineation activities were conducted to characterize residual impacts within and around AOC #2 by verifying the presence or absence of impacted soil. Twenty-two delineation boreholes (BH01 through BH22) were advanced via hand auger within and around AOC #2, including within the containment. Delineation activities were driven by field screening soil for VOCs and chloride, as previously described. A minimum of three soil samples were collected from each delineation soil sample location, representing the highest observed field screening concentrations and the greatest depth. Field screening results and soil descriptions are included on soil sampling logs shown in **Appendix D**. The locations of the delineation soil samples are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix E**.

Delineation soil samples were placed directly into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures, to Envirotech Analytical Laboratory (Envirotech) in Farmington, New Mexico, for analysis of COCs. It should be noted that following the receipt of delineation laboratory analytical results, identified breaches in the containment liner were repaired to restore the integrity of the liner.

DELINEATION LABORATORY ANALYTICAL RESULTS

Incident Number nAB1632648516

Laboratory analytical results for all confirmation delineation soil samples indicated all analyzed COCs were below the applicable Site Closure Criteria. Soil samples collected surrounding the AOC #1 provide sufficient horizontal delineation of the subject release. Laboratory analytical results are summarized in **Table 1** included in **Appendix F**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix G**.

Incident Number nAPP240657330

Laboratory analytical results for two delineation soil sample locations (BH01 and BH21) up to 4 feet bgs within the containment indicated one or more of the concentrations of the COCs exceed the Site Closure Criteria.

Laboratory analytical results for delineation soil samples collected from BH01 and BH21 depths beyond 4 feet bgs and the remaining delineation soil sampling locations (BH02 through BH20 and BH22) indicated concentrations of COCs were below the Site Closure Criteria. Delineation soil samples collected from locations surrounding AOC #2 provide sufficient horizontal delineation of the subject release. Laboratory analytical results are summarized in **Table 1** included in **Appendix F**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix G**.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITES

Incident Numbers nAB1632648516 and nAPP240657330

From March 7, 2024, to June 5, 2024, following initial excavation efforts, Etech collected 5-point composite confirmation excavation soil samples associated with AOC #1 at the approved sampling frequency of 400 square feet while concurrently adhering to a sampling frequency of 200 square feet within AOC #2 (FS01 through FS31 and SW01 through SW04). The 5-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. Confirmation soil samples were field screened, handled and analyzed as previously described. The locations of the confirmation soil samples are shown in **Figure 3** in **Appendix A**.

Laboratory analytical results for confirmation soil samples FS03, FS18, and SW04 (ranging 0 - 0.25 foot bgs) indicated TPH-GRO + TPH-DRO/TPH exceedances above the Site Closure Criteria and warranted additional remediation. As such, an excavation was advanced to 0.5-foot bgs in the areas associated with FS03, FS18 and SW04. Impacted soil was excavated and removed from the Site and transported to a licensed and approved landfill under WPX approved waste manifests. Following the completion of the excavation, 5-point confirmation soil samples were collected, handled, and analyzed as previously described. The new samples are denoted by the addition of “A” to the original soil sample nomenclature.

Upon receipt of the final confirmation soil sample results, the excavation was backfilled with clean, locally sourced soil and the Site was restored to “as close to its original state” as possible. Photographic documentation of excavation activities is included in **Appendix E**.

CONFIRMATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final confirmation excavation soil samples were below the Site Closure Criteria. Laboratory analytical results are summarized in Table 1 included in **Appendix G**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix H**.

DEFERRAL REQUEST

Based on laboratory analytical results from confirmation excavation and delineation soil sampling events, residual impacts associated with both AOC's have been delineated, excavated, and removed from the Site well pad to the Maximum Extent Practical (MEP). Residual impacts appear to solely reside below the TB containment up to 8 feet bgs (**Figure 4** in **Appendix A**), which have been vertically and horizontally delineated by twenty-two soil borings in conjunction with confirmation excavation soil samples. As such, WPX respectfully requests deferral of approximately 1,145 cubic yards of impacted soil underneath the lined TB containment based on laboratory analytical results for delineation soil sampling sample locations BH01 and BH21 for Incident Numbers nAPP1632648516 and nAPP2406527330 until the Site undergoes major facility deconstruction or P&A, whichever comes first, due to the presence of active production equipment and surface pipelines within the line containment. Impacted soil is limited to the area immediately beneath the lined tank battery containment and active production equipment, where remediation would require a major facility deconstruction. No further Action appears warranted at this time and the Site should be respectfully considered for Deferral by the NMOCD.

WPX believes the timely initial response and other completed remedial actions completed for deferral have mitigated immediate impacts at the Site and meet the requirements set forth in NMAC regulations to be protective of human health, the environment, and groundwater. Impacted soil is shallow within the lined containment, where depth to groundwater was determined to be greater than 100 feet bgs. Impacted soil is limited to the area immediately beneath the restored liner. The liner has been repaired by WPX and will restrict future vertical migration of residual impacts.

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

Sincerely,
Etech Environmental and Safety Solutions, Inc.

Erick Herrera
Project Geologist

Joseph S. Hernandez
Senior Managing Geologist

cc: Jim Raley, WPX
New Mexico Oil Conservation Division
Bureau of Land Management

Appendices:

Appendix A: Figure 1: Site Map
Figure 1A: Site Characterization Map – Groundwater
Figure 1B: Site Characterization Map – Surficial Receptors
Figure 1C: Site Characterization Map – Subsurface Receptors
Figure 2: Delineation Soil Sample Locations
Figure 3: Confirmation Soil Sample Locations
Figure 4: Deferral Area
Appendix B: Approved Sampling Variance Request
Appendix C: Referenced Well Records
Appendix D: Soil Sampling Logs
Appendix E: Photographic Log
Appendix F: Tables
Appendix G: Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix H: Correspondence & Notifications
Appendix I: Archived Reports

APPENDIX A

Figures

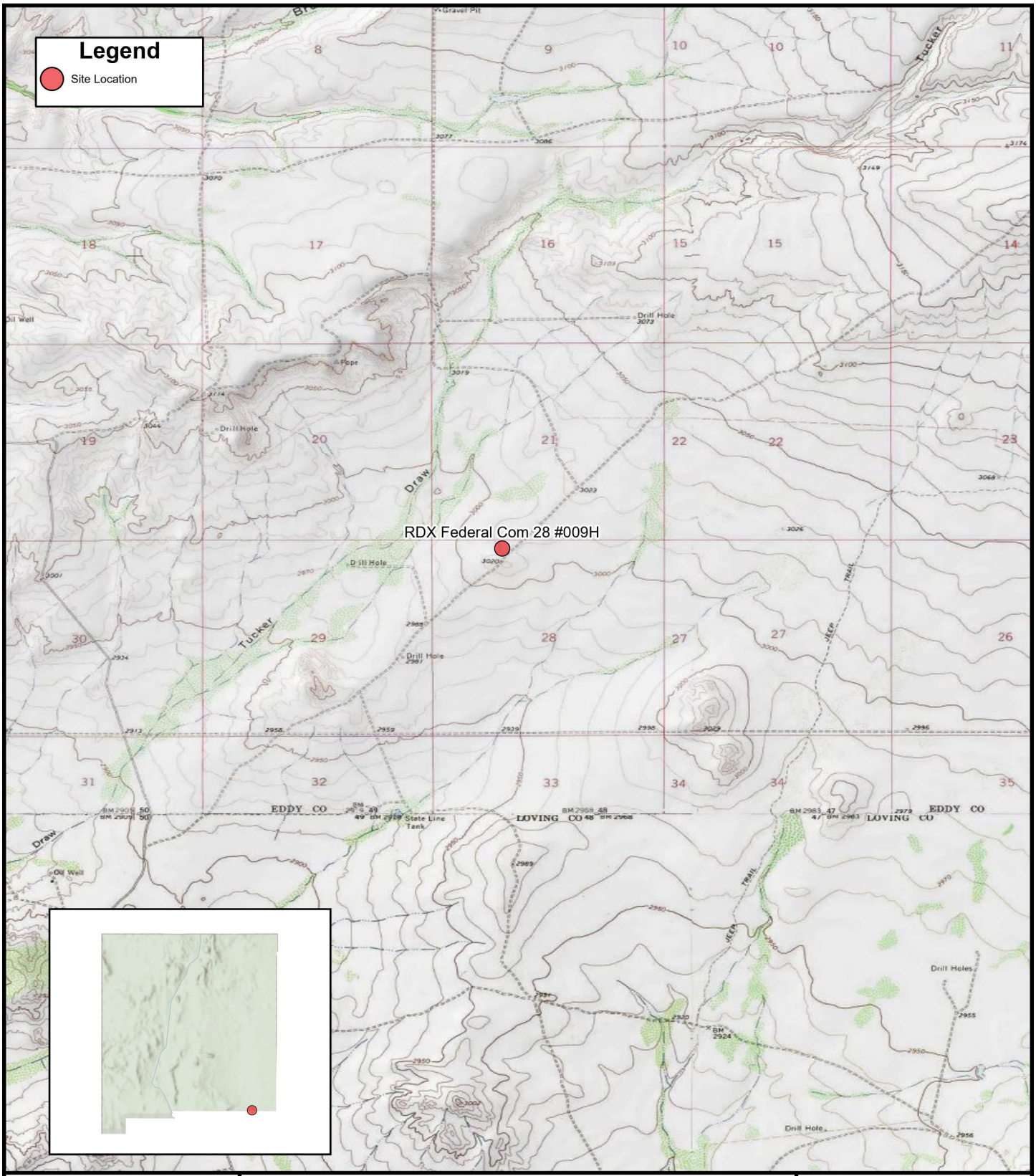


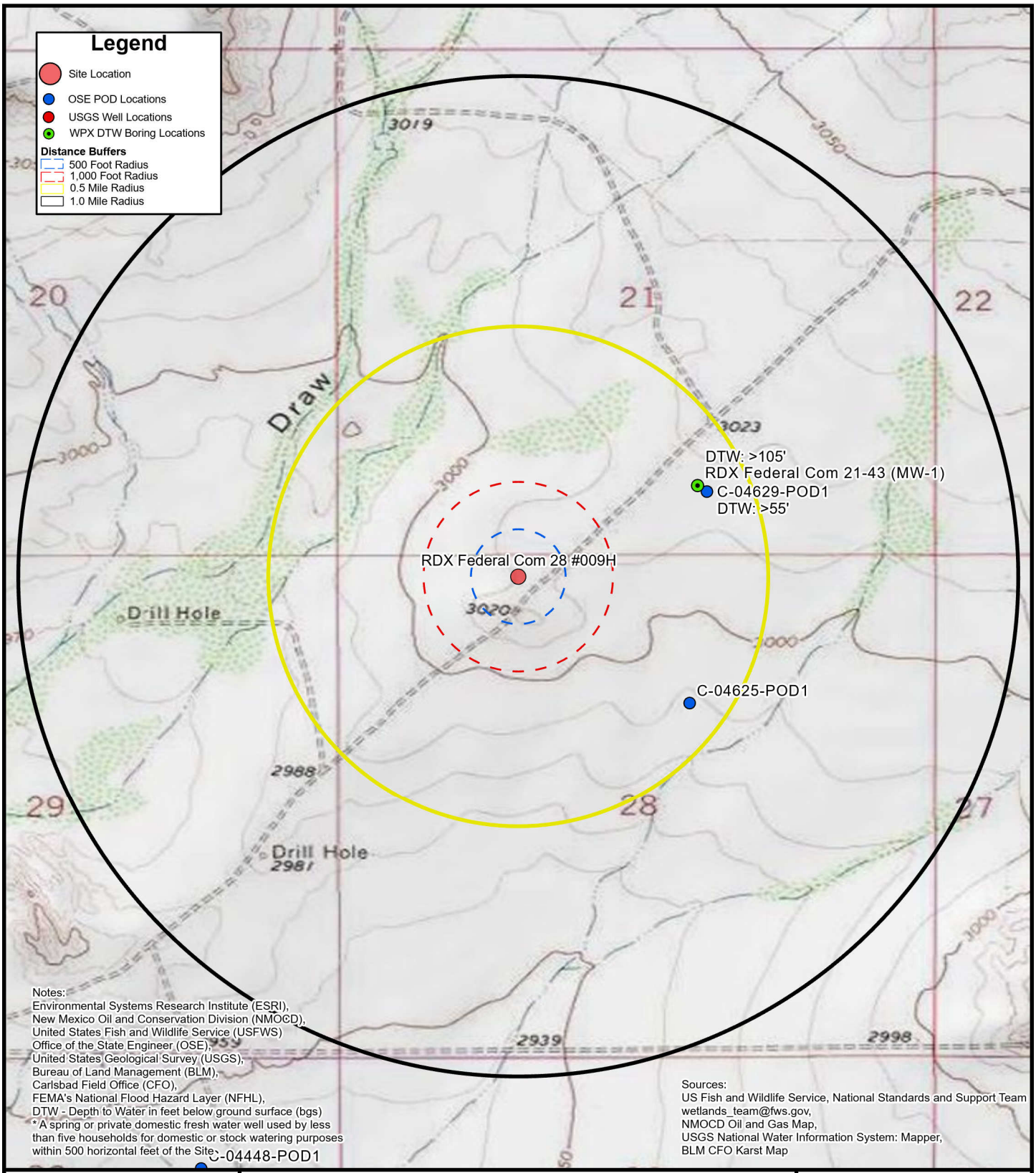
FIGURE 1

Site Location Map

WPX ENERGY PERMIAN, LLC
RDX Federal Com 28 #009H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

0 2,000 4,000 Feet



eTECH

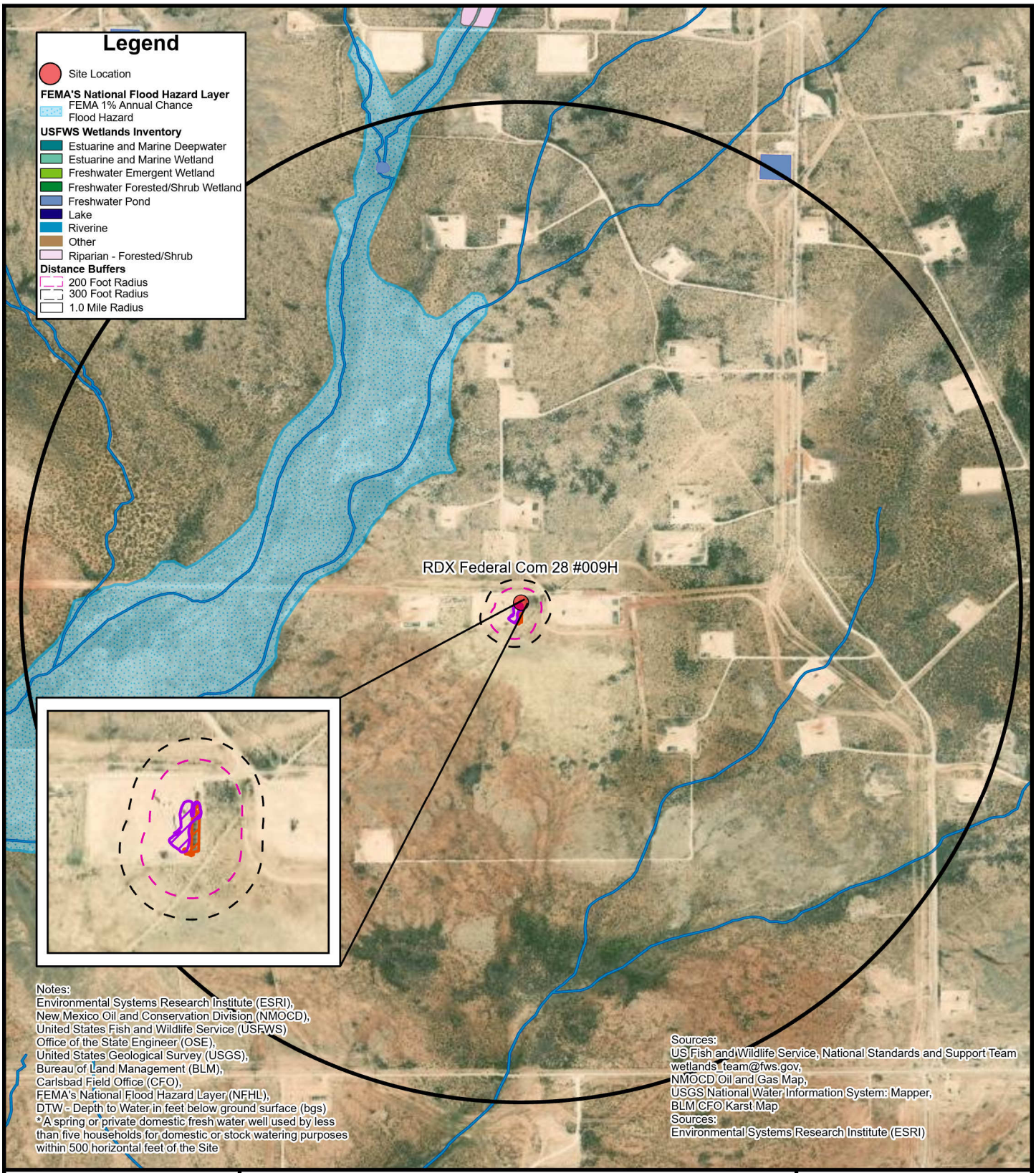
FIGURE 1A

Site Characterization Map
Groundwater

WPX ENERGY PERMIAN, LLC
RDX Federal Com 28 #009H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

0 500 1,000 Feet



eTECH

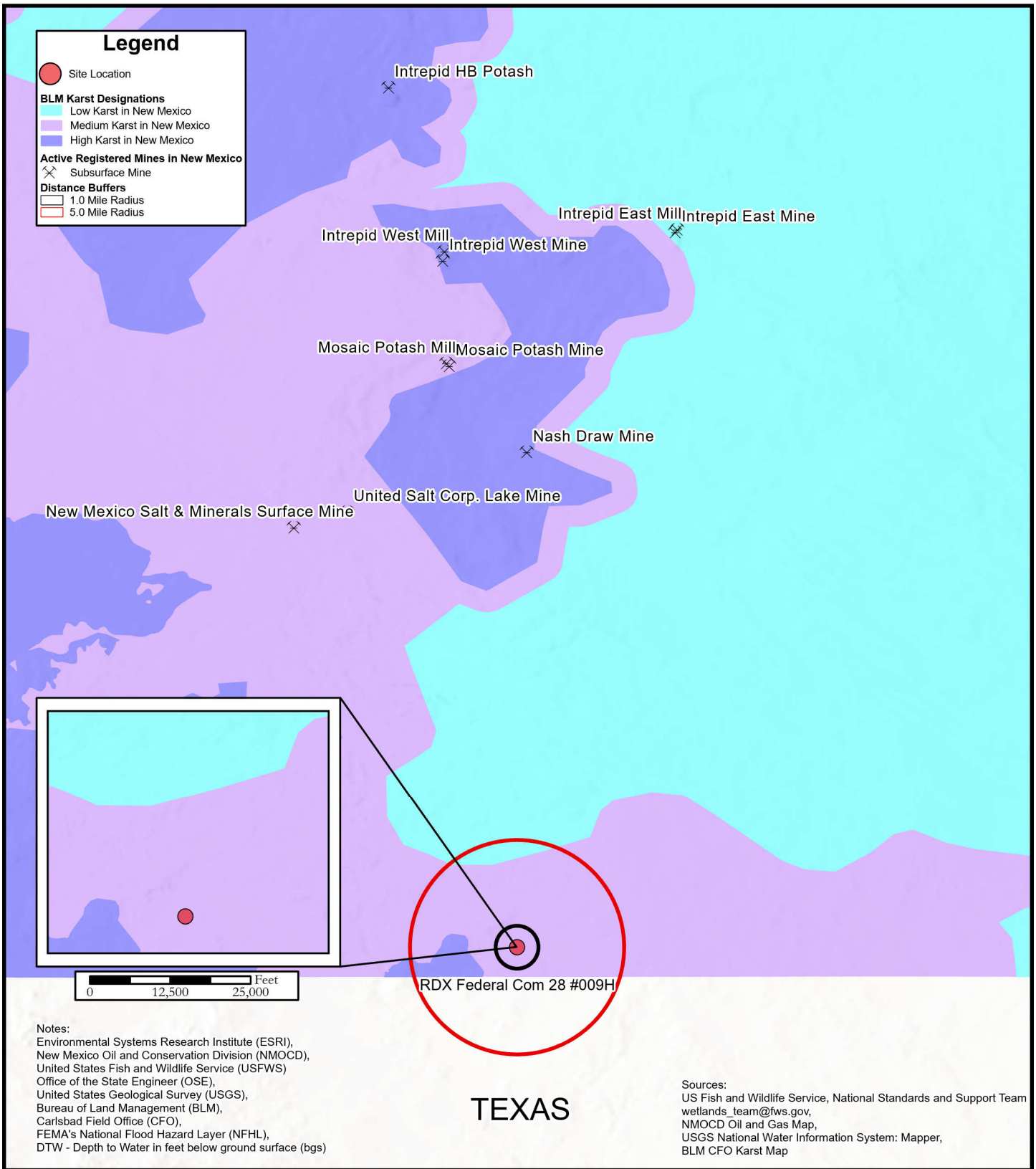
FIGURE 1B

Site Characterization Map
Surficial Receptors

WPX ENERGY PERMIAN, LLC
RDX Federal Com 28 #009H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

0 500 1,000 Feet



Notes:
Environmental Systems Research Institute (ESRI),
New Mexico Oil and Conservation Division (NMOCD),
United States Fish and Wildlife Service (USFWS)
Office of the State Engineer (OSE),
United States Geological Survey (USGS),
Bureau of Land Management (BLM),
Carlsbad Field Office (CFO),
FEMA's National Flood Hazard Layer (NFHL),
DTW - Depth to Water in feet below ground surface (bgs)

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

eTECH

FIGURE 1C

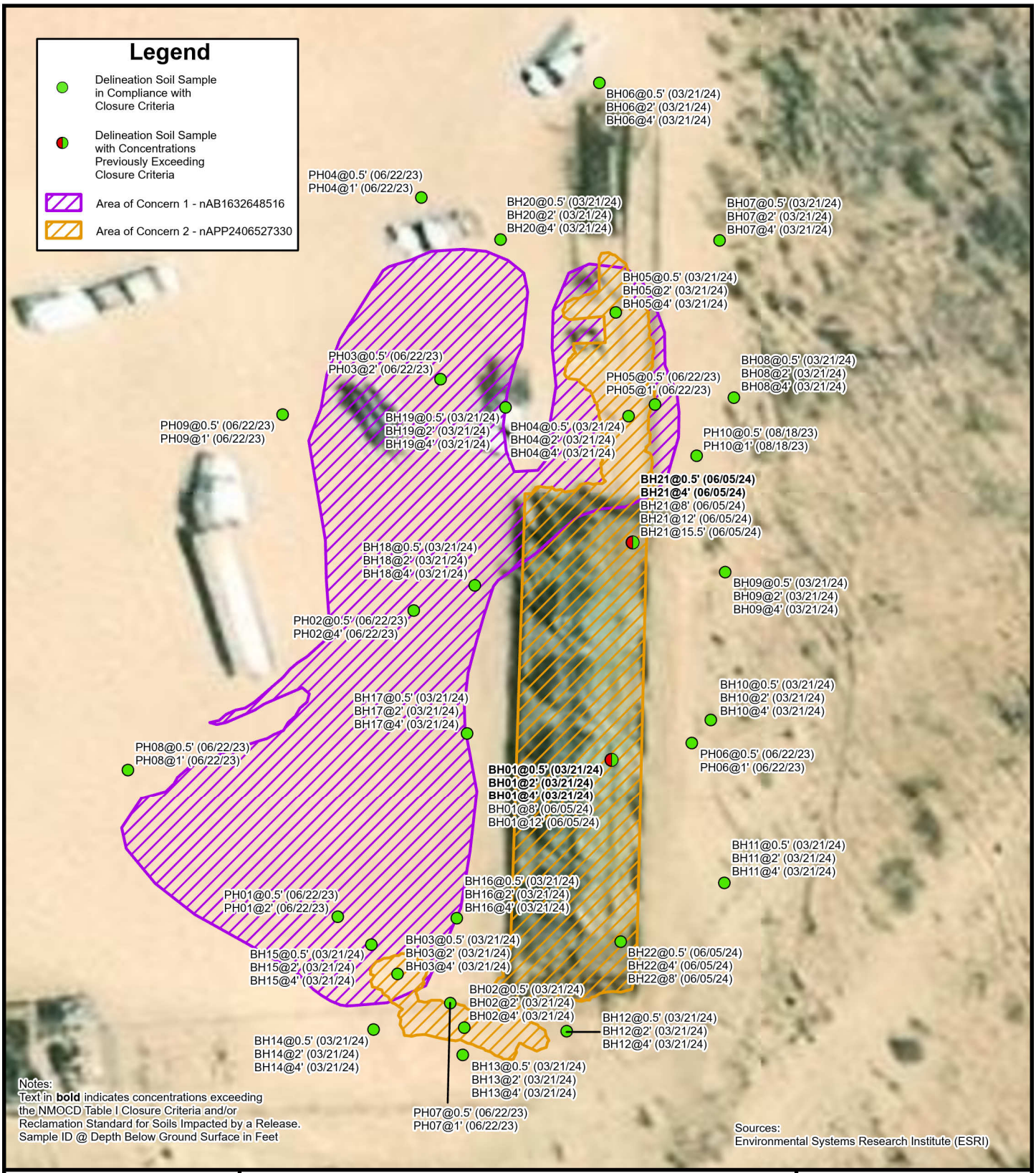
Site Characterization Map

Subsurface Receptors

WPX ENERGY PERMIAN, LLC
RDX Federal Com 28 #009H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

Feet
0
18,745
37,490



eTECH

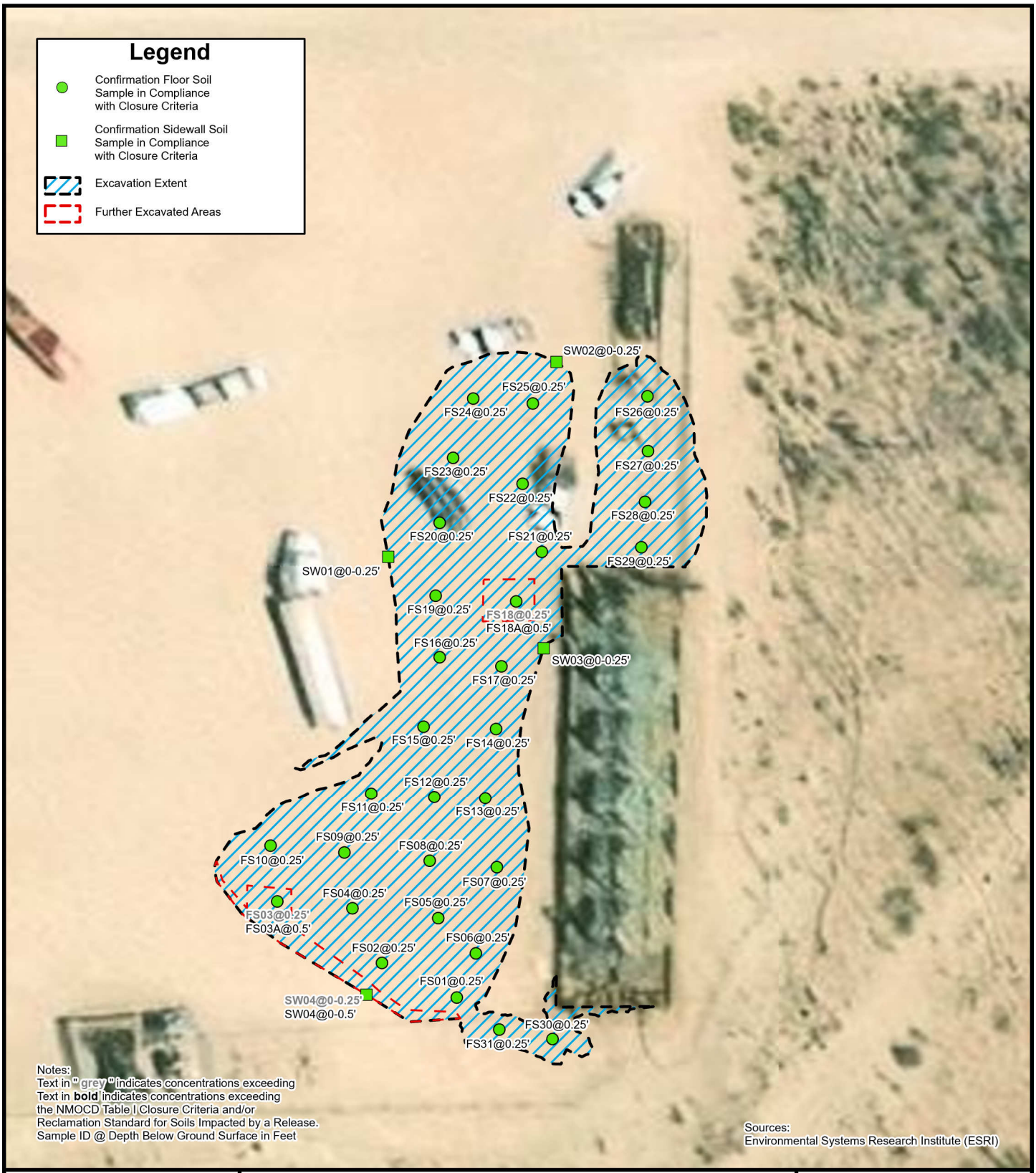
FIGURE 2

Delineation Soil Sample Locations

WPX ENERGY PERMIAN, LLC
RDX Federal Com 28 #009H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

0 20.5 41 Feet



eTECH

FIGURE 3

Confirmation Soil Sample Locations

WPX ENERGY PERMIAN, LLC
RDX Federal Com 28 #009H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

0 23 46 Feet

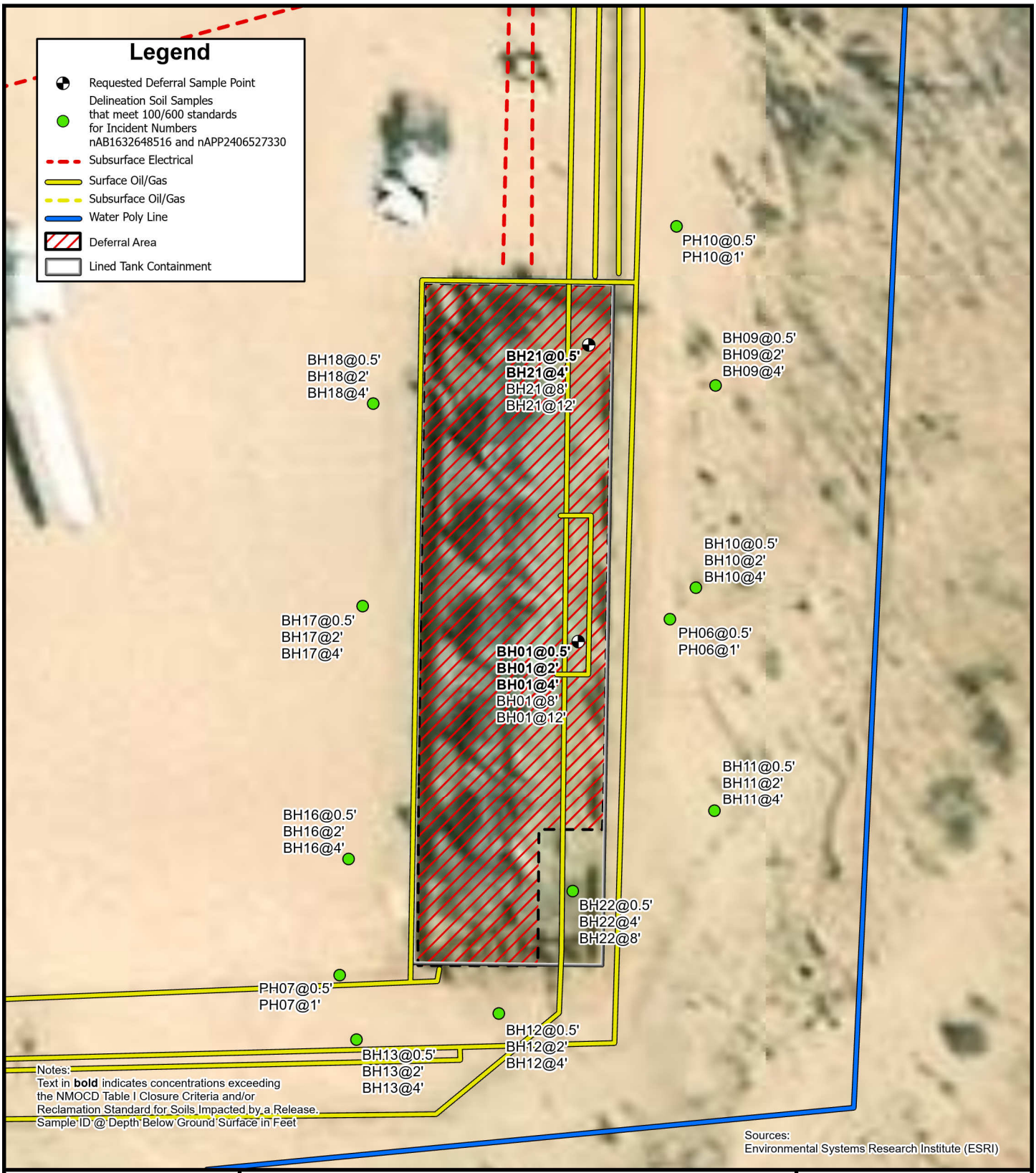


FIGURE 4

Deferral Area

WPX ENERGY PERMIAN, LLC
RDX Federal Com 28 #009H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

0 15 30 Feet

APPENDIX B

Approved Sampling Variance Request

Environmental & Safety Solutions, Inc.

New Mexico Oil Conservation Division
506 W. Texas Ave
Artesia, NM 88210

RE: Sampling Variance Request
WPX Energy Permian, LLC
RDX 28-9H
nAB1632648516
Eddy County, New Mexico

To Whom It May Concern:

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of WPX Energy Permian, LLC (WPX), presents the following Sampling Variance Request (SVR) and proposed sampling plan to address a denial for a Closure Request (CR) issued by NMOCD for an inadvertent release of crude oil and produced water at the RDX 28-9H (Site). The CR was submitted and denied by NMOCD on December 22, 2023, for the following reasons:

- *Deferral denied. Area of concern, as depicted on Figure 2, is not fully delineated.*
- *The submitted sample results are for delineation and site characterization. To meet remediation standards, confirmation soil samples must consist of five-point composite samples from the side wall and base and individual grab samples from any wet or discolored areas, representing a surface area of no more than 200 ft2 unless otherwise approved.*
- *Remediation closure can be requested when conditions of 19.15.29.12 NMAC are met.*
- *A remediation closure plan can be submitted if all the conditions of 19.15.29.12 NMAC are met.*
- *Submit a complete report by 4/30/2024.*

SITE LOCATION AND RELEASE BACKGROUND

The well pad (API 30-015-43294) for this Site is located in Unit C, Section 28, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.030564°, -103.8912511°) as provided in the initial Release Notification and Corrective Action Form (Form C-141) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

The separator, where the release occurred, is located in the northeastern corner of the well pad (32.019742, -103.889568°) (**Figure 1** in **Appendix A**).

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Etech characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

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

- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs), based off a nearby soil boring advanced by Talon LPE, located approximately 0.34 miles North of the Site on RDX Federal Com 21-43 well pad. The soil boring (MW-1) was advanced on December 9, 2020, via a truck mounted drill rig equipped with a hollow stem auger to a total depth of 110 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. Following the observation period, the boring was plugged and abandoned according to the appropriate regulations. The well log for the referenced soil boring is provided in **Appendix B**. The soil boring location and other nearby soil borings and/or regional groundwater well locations are shown in **Figure 1A** in **Appendix A**.

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

SAMPLING VARIANCE REQUEST

The release extent measures 11,340 square feet, therefore WPX requests a sampling variance for 5-point composite confirmation soil samples to represent a maximum of 400 square feet per soil sample collected from the Area of Concern (**Figure 2** in **Appendix A**). As such, 29 confirmation soil samples are anticipated to be collected, compared to the 57 soil samples utilizing a sampling frequency of 200 square feet.

Lateral/edge confirmation soil samples will still be collected at a sampling frequency representing no more than 200 square feet per soil sample. Confirmation soil samples will be submitted to an accredited laboratory for analysis of BTEX (Method EPA 8260B), TPH (Method EPA 8015D) and chloride (Method EPA 300.0).

Since depth to groundwater at the Site is estimated to be greater than 100 feet bgs and there are no sensitive receptors within the established buffers in NMAC 19.15.29.12, WPX believes this increased sampling frequency meets the requirements set forth in NMAC 19.15.29.13 regulations and is equally protective of human health, the environment, and groundwater.

If you have any questions or comments, please do not hesitate to contact Edyte Konan at (432) 305-6417 or edyte@etechenv.com or Joseph S. Hernandez at (432) 305-6413 or joseph@etechenv.com.

Sincerely,
Etech Environmental and Safety Solutions, Inc.

Edyte Konan
Associate Geologist

Joseph S. Hernandez
Senior Managing Geologist

cc: Jim Raley, WPX
New Mexico Oil Conservation Division

Appendices:

Appendix A: Figure 1: Site Location Map
Figure 1A: Site Characterization Map – Groundwater
Figure 1B: Site Characterization Map – Surficial Receptors
Figure 1C: Site Characterization Map – Subsurface Receptors
Figure 2: Proposed Sampling Grid Map

Appendix B: Referenced Well Record

APPENDIX A

Figures

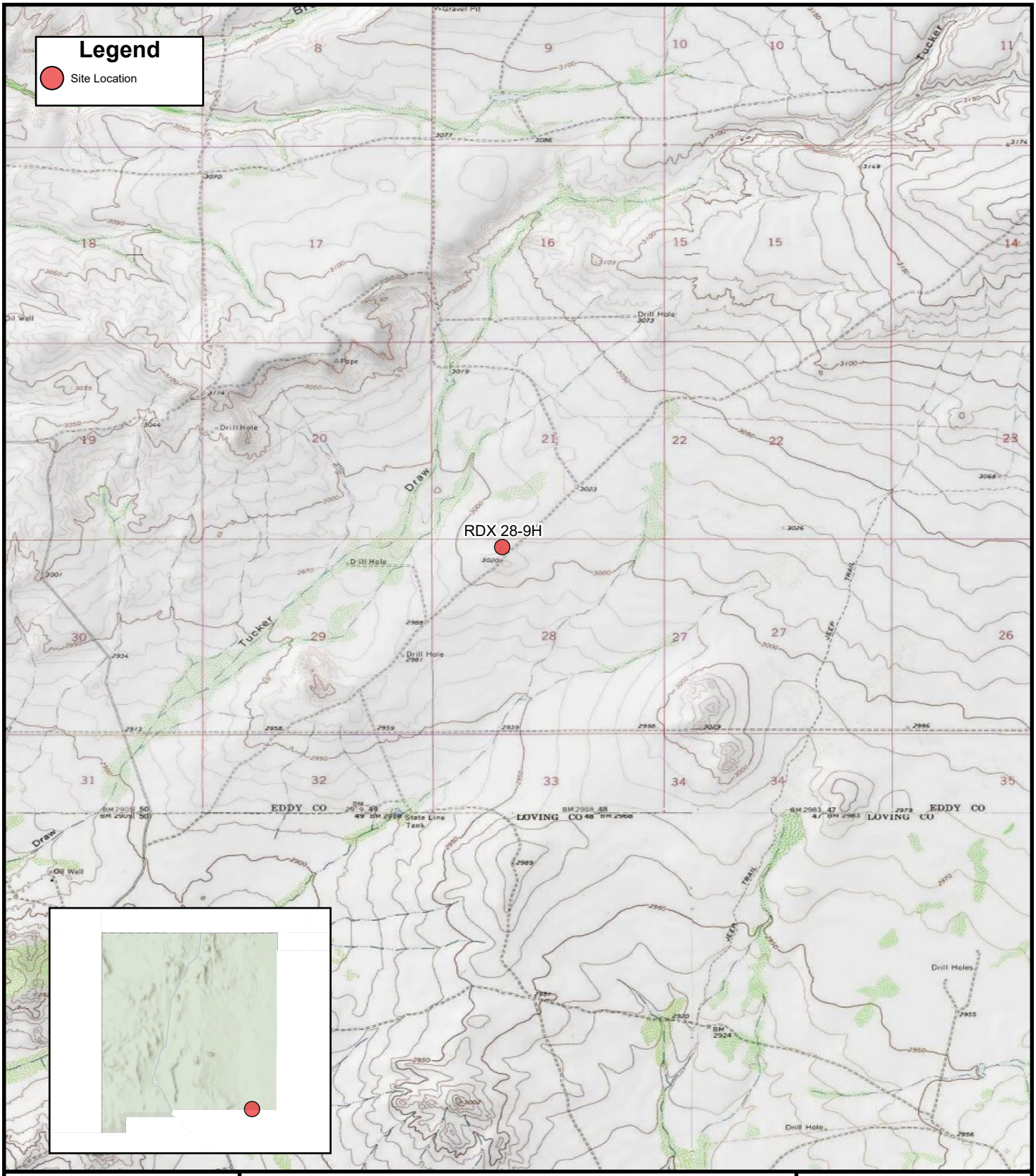


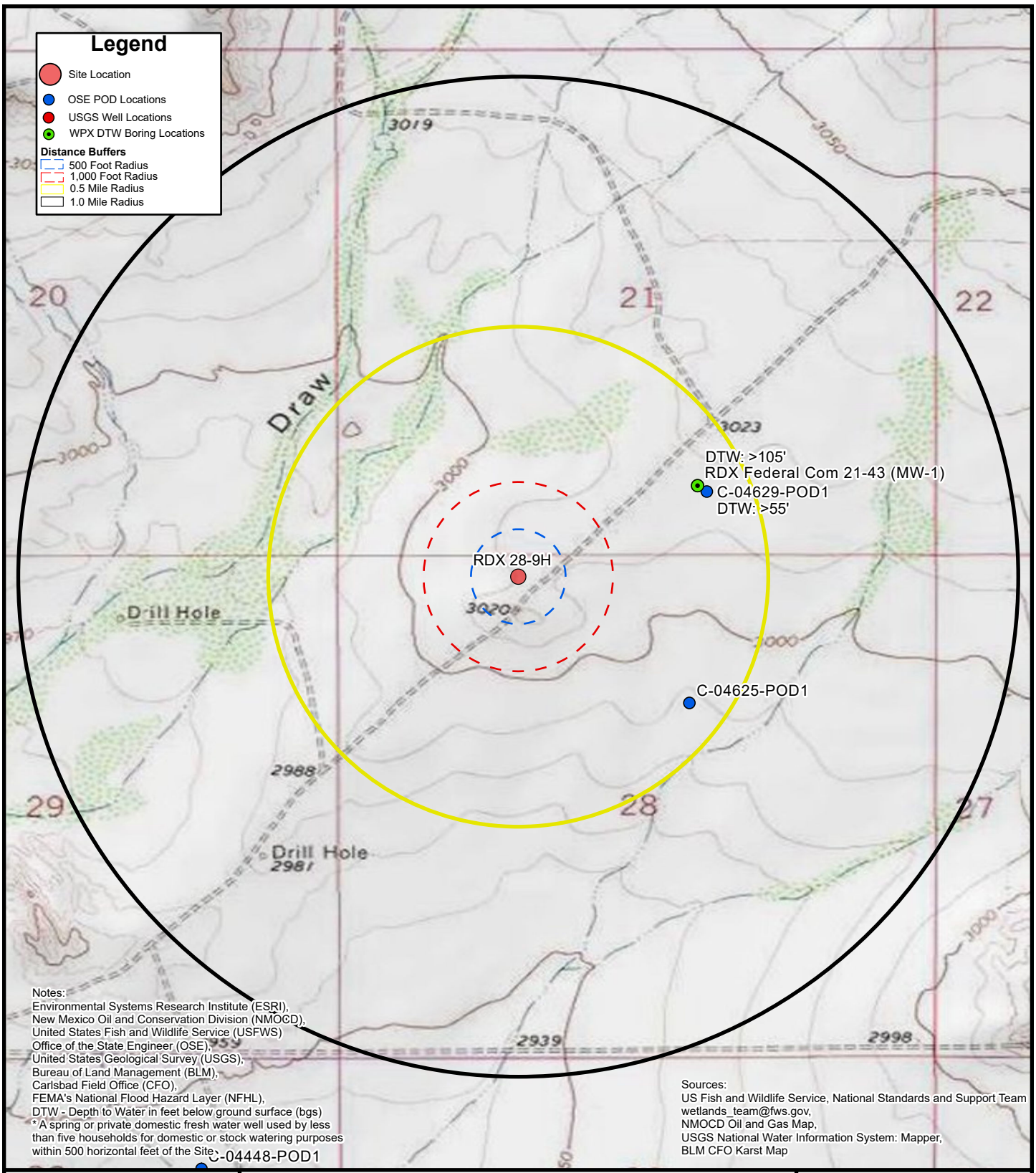
FIGURE 1

Site Location Map

WPX ENERGY PERMIAN, LLC
RDX 28-9H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

0 2,000 4,000 Feet



eTECH

FIGURE 1A

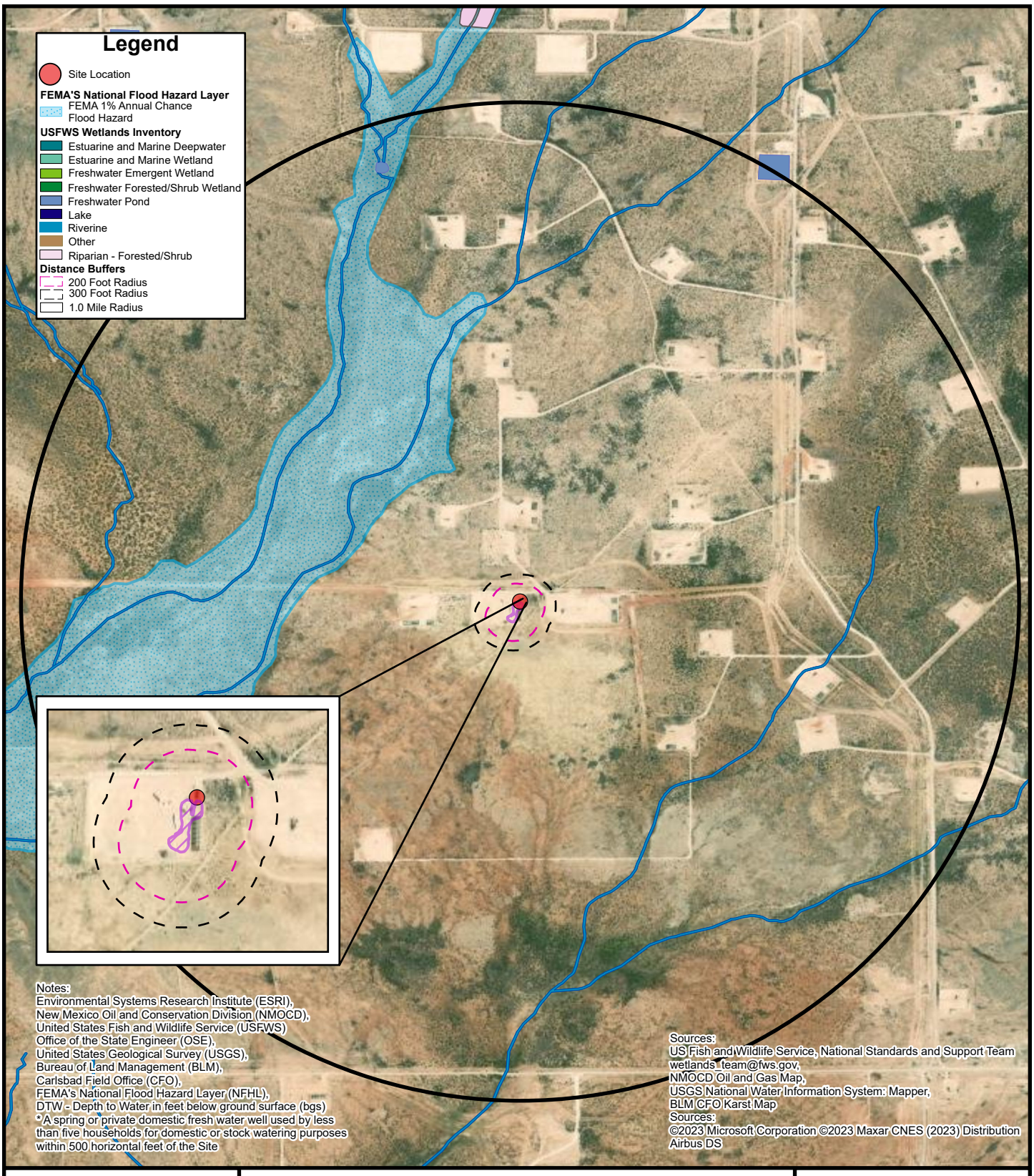
Site Characterization Map

Ground Water

WPX ENERGY PERMIAN, LLC
RDX 28-9H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

0 500 1,000 Feet



eTECH

FIGURE 1B

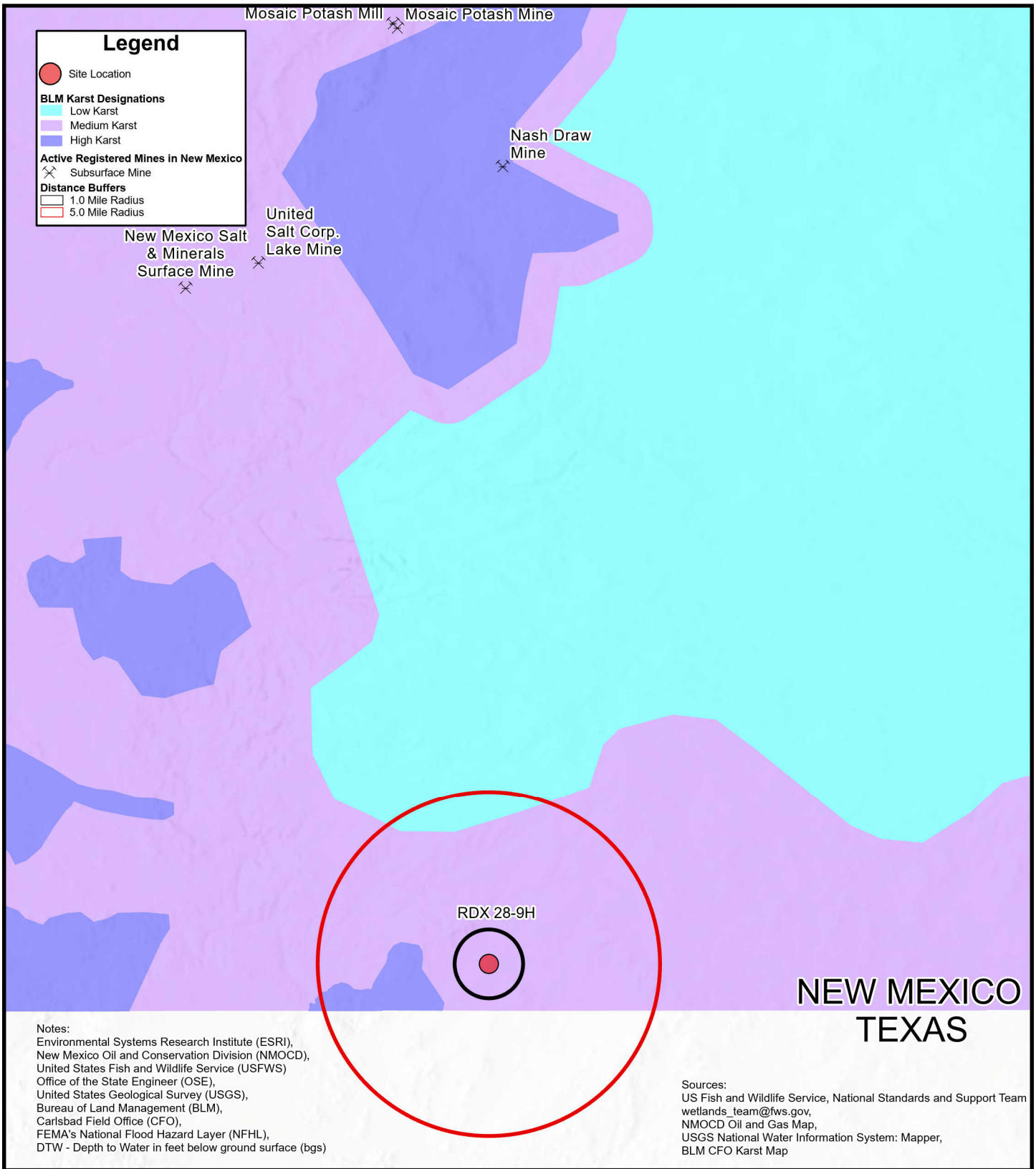
Site Characterization Map

Surficial Receptors

WPX ENERGY PERMIAN, LLC
RDX 28-9H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

0 500 1,000 Feet



Notes:
Environmental Systems Research Institute (ESRI),
New Mexico Oil and Conservation Division (NMOCD),
United States Fish and Wildlife Service (USFWS)
Office of the State Engineer (OSE),
United States Geological Survey (USGS),
Bureau of Land Management (BLM),
Carlsbad Field Office (CFO),
FEMA's National Flood Hazard Layer (NFHL),
DTW - Depth to Water in feet below ground surface (bgs)

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

eTECH

FIGURE 1C

Site Characterization Map

Subsurface Receptors

WPX ENERGY PERMIAN, LLC
RDX 28-9H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

0 12,500 25,000 Feet

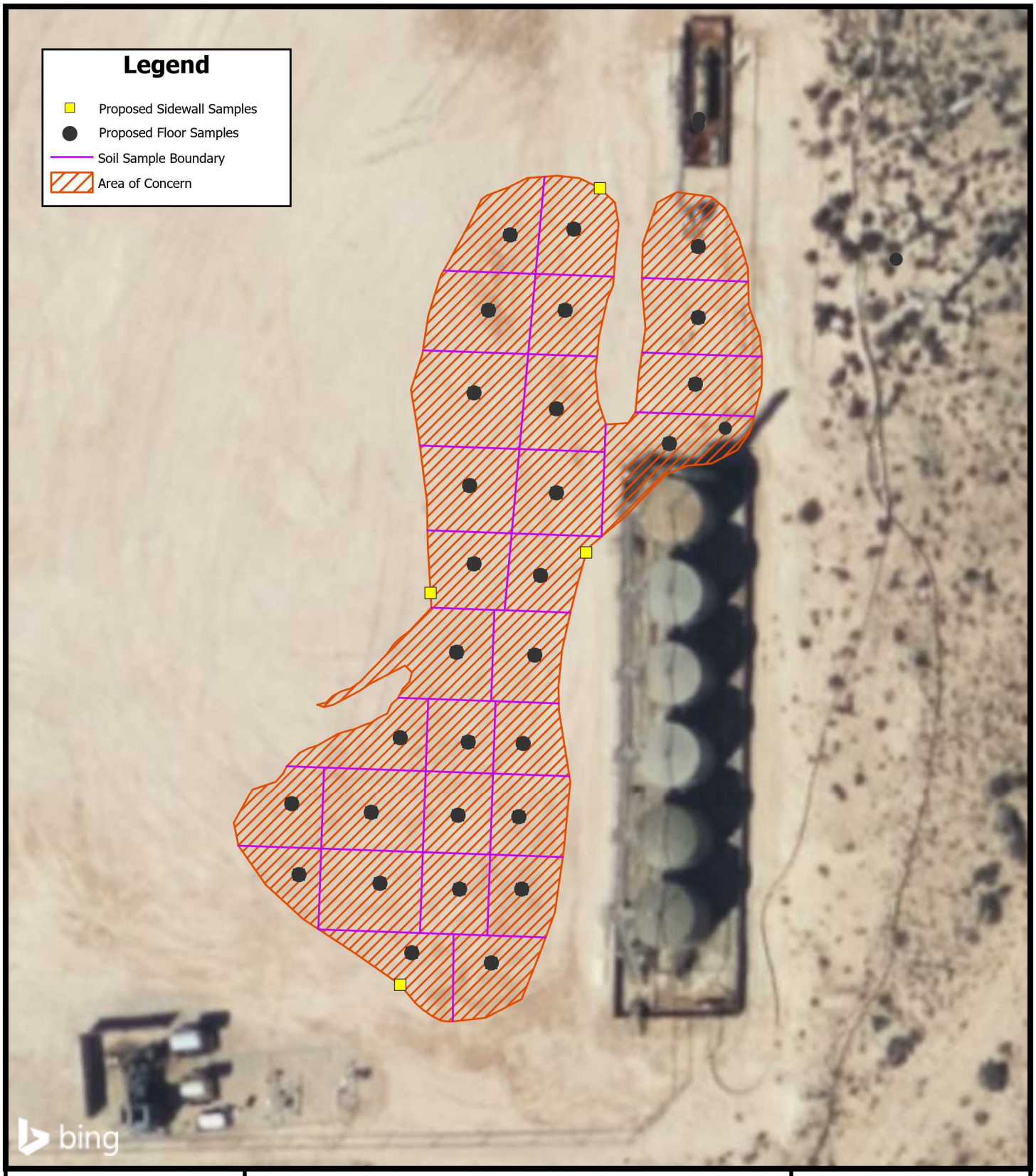


FIGURE 2

Proposed Sampling Grid Map

WPX ENERGY PERMIAN, LLC
RDX 28-9H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

0 20 40 Feet

APPENDIX B

Referenced Well Record

HRL COMPLIANCE SOLUTIONS

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: MW-1		Location: RDX Federal Com 21-43	
Date: 12/9/2020		Client: WPX Energy	
Drilling Method: Air Rotary	Sampling Method: None	Logged By: J. Linn, P.G.	Drilled By: Talon LPE
Gravel Pack Type: 10/20 Sand	Gravel Pack Depth Interval: 3 Bags	Seal Type: None / Seal Depth Interval: None	Latitude: 32.022571
Casing Type: PVC / Diameter: 2-inch / Depth Interval: 0-100 feet bgs		Boring Total Depth (ft. BGS): 110	Longitude: -103.884371
Screen Type: PVC / Slot: 0.010-inch / Diameter: 2-inch / Depth Interval: 100 - 105 ft		Well Total Depth (ft. BGS): 105	Depth to Water (ft. BTOC): > 105 / DTW Date: 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	SP	NS	Pale orange to tan poorly graded fine sand	
5										
10										
15										
20	NM	H	D	N	N	NM	CL	NS	Pale orange/tan/pale red clay, dry, with silt, fine sand, and minor caliche	
25	NM	L	D	N	N	NM	SP	NS	Pale orange to pale red poorly graded fine sand	
30										
35										
40										
45										
50	NM	L	D	N	N	NM	SP	NS	Golden yellow poorly graded fine sand with minor silt and clay	
55										
60										
65	NM	L	D	N	N	NM	SP	NS	Pale orange to pale red poorly graded fine sand with minor silt/clay	
70										
75										
80	NM	M	D	N	N	NM	SC	NS	Buff to orange color fine sand with medium sand and clay	
85										
90										
95	NM	H	D	N	N	NM	CL	NS	Brown orange clay with silt and fine sand	
100	NM	H	D	N	N	NM	SC	NS	Golden yellow and buff colored clay with fine sand - TD Boring: 110' BGS; Sand 110' - 105' BGS	
105										

APPENDIX C

Referenced Well Record

HRL COMPLIANCE SOLUTIONS

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: MW-1		Location: RDX Federal Com 21-43	
Date: 12/9/2020		Client: WPX Energy	
Drilling Method: Air Rotary	Sampling Method: None	Logged By: J. Linn, P.G.	Drilled By: Talon LPE
Gravel Pack Type: 10/20 Sand	Gravel Pack Depth Interval: 3 Bags	Seal Type: None / Seal Depth Interval: None	Latitude: 32.022571
Casing Type: PVC / Diameter: 2-inch / Depth Interval: 0-100 feet bgs		Boring Total Depth (ft. BGS): 110	Longitude: -103.884371
Screen Type: PVC / Slot: 0.010-inch / Diameter: 2-inch / Depth Interval: 100 - 105 ft		Well Total Depth (ft. BGS): 105	Depth to Water (ft. BTOC): > 105 / DTW Date: 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	SP	NS	Pale orange to tan poorly graded fine sand	
5										
10										
15										
20	NM	H	D	N	N	NM	CL	NS	Pale orange/tan/pale red clay, dry, with silt, fine sand, and minor caliche	
25	NM	L	D	N	N	NM	SP	NS	Pale orange to pale red poorly graded fine sand	
30										
35										
40										
45										
50	NM	L	D	N	N	NM	SP	NS	Golden yellow poorly graded fine sand with minor silt and clay	
55										
60										
65	NM	L	D	N	N	NM	SP	NS	Pale orange to pale red poorly graded fine sand with minor silt/clay	
70										
75										
80	NM	M	D	N	N	NM	SC	NS	Buff to orange color fine sand with medium sand and clay	
85										
90										
95	NM	H	D	N	N	NM	CL	NS	Brown orange clay with silt and fine sand	
100	NM	H	D	N	N	NM	SC	NS	Golden yellow and buff colored clay with fine sand - TD Boring: 110' BGS; Sand 110' - 105' BGS	
105										

APPENDIX D

Lithologic Sampling Logs

eTECH	Sample Name: PH01	Date: 06/22/2023
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019407, -103.889778	Hole Diameter: N/A	Total Depth: 2 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive
Dry	412	0.1	No	PH01	0.5			
Dry	300	0.1	No		1	1		'@ 1 foot, change of color from tan to yellowish
Dry	208	0.2	No	PH01	2	2		

Total Depth

eTECH	Sample Name: PH02	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019633, -103.889722	Hole Diameter: N/A	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive.
Dry	108	0.3	No	PH02	0.5			
Dry	108	0.3	No	PH02	1	1		@ 1 foot, change of color from tan to yellowish.
Dry	208	0.4	No	PH02	2	2	SP-SM	(0-2') SAND, dry, yellowish, poorly graded, very fine to fine, no stain, no odoor, non-plastic, and noncohesive and some silt.
					3	3		
Dry	180	0.3	No	PH02	4	4		
						Total Depth		

eTECH	Sample Name: PH03	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019803, -103.889702	Hole Diameter: N/A	Total Depth: 2 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-2') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive
Dry	336	0.7	No	PH03	0.5			
Dry	236	0.5	No		1	1		'@ 1 foot, change of color from tan to yellowish
Dry	<108	0.7	No	PH03	2	2		

Total Depth

eTECH	Sample Name: PH04	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019937, -103.889716	Hole Diameter: N/A	Total Depth: 1 foot

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0		
Dry	<108	0.1	No	PH04	0.5		SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive.
Dry	<108	0.1	No	PH04	1	1		@ 1 foot, change of color from tan to brown.
								Total Depth

eTECH	Sample Name: PH05	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019784, -103.889544	Hole Diameter: N/A	Total Depth: 1 foot

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0		
Dry	<108	0.0	No	PH05	0.5		SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive.
Dry	<108	0.0	No	PH05	1	1		

Total Depth

eTECH	Sample Name: PH06	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019535, -103.889517	Hole Diameter: N/A	Total Depth: 1 foot

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0		
Dry	<108	0.0	No	PH06	0.5		SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive
Dry	<108	0.0	No	PH06	1	1		

Total Depth

eTECH	Sample Name: PH07	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019343, -103.889695	Hole Diameter: N/A	Total Depth: 1 foot

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0		
Dry	236	0.0	No	PH07	0.5		SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive.
Dry	236	0.0	No	PH07	1	1		

Total Depth

eTECH	Sample Name: PH08	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019515, -103.889932	Hole Diameter: N/A	Total Depth: 1 foot

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive
Dry	236	0.0	No	PH08	0.5			
Dry	<108	0.1	No	PH08	1	1		
						Total Depth		

eTECH	Sample Name: PH09	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019777, -103.889818	Hole Diameter: N/A	Total Depth: 1 foot

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0		
Dry	<108	0.1	No	PH09	0.5		SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive.
Dry	<108	0.0	No	PH09	1	1		

Total Depth

eTECH	Sample Name: PH10	Date: 08/18/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019747, -103.889513	Hole Diameter: N/A	Total Depth: 1 foot

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0		
Dry	<108	0.1	No	PH10	0.5		SP	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive.
Dry	<108	0.0	No	PH10	1	1		

Total Depth

eTECH	Sample Name: BH01	Date: 03/21/2024 & 06/05/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019523, -103.889576	Hole Diameter: 4 inches	Total Depth: 12 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	6,064	0.1	No	BH01	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	5,592	0.3	No		1	1	SW-SM	(1-7') SAND, dry, light brown, poorly graded with some silt, fine to coarse grain, no stain, no odor.
Dry	6,064	0.3	No		2	2		
						3		@ 2' change of color from light brown to yellowish
Dry	6,156	0.1	No	BH01	4	4		(8-11') SAND, dry, yellow-tan, well graded with some silt, very fine to fine grain, no stain, no odor.
						5		
						6		(12') SAND, dry, yellow-tan, poorly graded with some silt, fine to coarse grain, no stain, no odor.
						7		
Dry	1,116	2.2	No	BH01	8	8	SP-SM	
						9		
						10		
						11		
Dry	4,400	0	No	BH01	12	12	SW-SM	

Total Depth

eTECH	Sample Name: BH02	Date: 03/21/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019325, -103.889684	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	5,264	0.1	No	BH02	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	1,316	0.0	No		1	1	SP-SM	(1-4') SAND, dry, light brown, poorly graded with some silt, fine to fine grain, no stain, no odor.
Dry	628	0.0	No		2	2		@ 4' change of color from light brown to yellowish, trace of small gravel
						3		
Dry	2,040	0.0	No	BH02	4	4		
						Total Depth		

eTECH	Sample Name: BH03	Date: 03/21/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019364, -103.889734	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	4,144	0.0	No	BH03	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	140	0.4	No		1	1	SP-SM	(1-4') SAND, dry, light brown, poorly graded with some silt, fine to fine grain, no stain, no odor.
Dry	356	0.0	No		2	2		
						3		
Dry	2,072	0.1	No	BH03	4	4		
						Total Depth		

eTECH	Sample Name: BH04	Date: 03/21/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019776, -103.889563	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	6,156	0.0	No	BH04	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	6,156	0.0	No		1	1	SW-SM	(1-4') SAND, dry, light brown, well graded with some silt, fine to coarse grain, no stain, no odor.
Dry	6,156	0.2	No		2	2		
						3		
Dry	4,492	0.0	No	BH04	4	4		
						Total Depth		

	Sample Name: BH05	Date: 03/21/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019852, -103.889573	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	5,696	0.5	No	BH05	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	1,284	0.0	No		1	1	SW-SM	(1-2') SAND, dry, light brown, well graded with some silt, fine to coarse grain, no stain, no odor.
Dry	4,144	0.0	No		2	2	SP-SM	(2-4') SAND, dry, light brown, poorly graded with some silt, Very fine to fine grain, no stain, no odor.
						3		
Dry	652	0.1	No	BH05	4	4		

Total Depth

eTECH	Sample Name: BH06	Date: 03/21/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.020021, -103.889585	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	140	0.0	No	BH06	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	<116	0.0	No		1	1	SW-SM	(1-2') SAND, dry, light brown, well graded with some silt, fine to coarse grain, no stain, no odor.
Dry	<116	0.0	No		2	2	SP-SM	(2-4') SAND, dry, light brown to yellow, poorly graded with some silt, very fine to fine grain, no stain, no odor.
						3		
Dry	<116	0.0	No	BH06	4	4		

Total Depth

eTECH	Sample Name: BH07	Date: 03/21/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019905, -103.889496	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	<116	0.1	No	BH07	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	<116	0.0	No		1	1	SW-SM	(1-2') SAND, dry, light brown, well graded with some silt, fine to coarse grain, no stain, no odor.
Dry	<116	0.1	No		2	2	SP-SM	(2-4') SAND, dry, light brown to yellow, poorly graded with some silt, very fine to fine grain, no stain, no odor.
						3		
Dry	<116	0.1	No	BH07	4	4		

Total Depth

eTECH	Sample Name: BH08	Date: 03/21/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019789, -103.889486	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	<116	0.0	No	BH08	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	<116	0.0	No		1	1	SW-SM	(1-2') SAND, dry, light brown, well graded with some silt, fine to coarse grain, no stain, no odor.
Dry	<116	0.0	No		2	2	SP-SM	(2-4') SAND, dry, light brown to yellow, poorly graded with some silt, very fine to fine grain, no stain, no odor.
						3		
Dry	<116	0.0	No	BH08	4	4		

Total Depth

eTECH	Sample Name: BH09	Date: 03/21/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019661, -103.889492	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	<116	0.0	No	BH09	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	140	0.0	No		1	1	SW-SM	(1-2') SAND, dry, light brown, well graded with some silt, fine to coarse grain, no stain, no odor.
Dry	140	0.0	No		2	2	SP-SM	(2-4') SAND, dry, light brown to yellow, poorly graded with some silt, very fine to fine grain, no stain, no odor.
						3		
Dry	368	0.0	No	BH09	4	4		

Total Depth

	Sample Name: BH10	Date: 03/21/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019552, -103.88950	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	<116	0.0	No	BH10	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	<116	0.0	No		1	1	SW-SM	(1-2') SAND, dry, light brown, well graded with some silt, fine to coarse grain, no stain, no odor.
Dry	140	0.0	No		2	2	SP-SM	(2-4') SAND, dry, light brown to yellow, poorly graded with some silt, very fine to fine grain, no stain, no odor.
						3		
Dry	368	0.0	No	BH10	4	4		

Total Depth

eTECH	Sample Name: BH11	Date: 03/21/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019432, -103.889493	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	<116	0.0	No	BH11	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	<116	0.0	No		1	1	SW-SM	(1-2') SAND, dry, light brown, well graded with some silt, fine to coarse grain, no stain, no odor.
Dry	<116	0.0	No		2	2	SP-SM	(2-4') SAND, dry, light brown to yellow, poorly graded with some silt, very fine to fine grain, no stain, no odor.
						3		
Dry	<116	0.0	No	BH11	4	4		

Total Depth

eTECH	Sample Name: BH12	Date: 03/21/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019322, -103.889609	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	<116	0.0	No	BH12	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	<116	0.0	No		1	1	SW-SM	(1-2') SAND, dry, light brown, well graded with some silt, fine to coarse grain, no stain, no odor.
Dry	<116	0.0	No		2	2	SP-SM	(2-4') SAND, dry, light brown to yellow, poorly graded with some silt, very fine to fine grain, no stain, no odor.
						3		
Dry	<116	0.0	No	BH12	4	4		

Total Depth

	Sample Name: BH13	Date: 03/21/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019305, -103.889685	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	140	0.0	No	BH13	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	368	0.0	No		1	1	SW-SM	(1-2') SAND, dry, light brown, well graded with some silt, fine to coarse grain, no stain, no odor.
Dry	<116	0.0	No		2	2	SP-SM	(2-4') SAND, dry, light brown to yellow, poorly graded with some silt, very fine to fine grain, no stain, no odor.
						3		
Dry	<116	0.0	No	BH13	4	4		

Total Depth

eTECH	Sample Name: BH14	Date: 03/21/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019324, -103.889751	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	116	0.0	No	BH14	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	168	0.0	No		1	1	SW-SM	(1-2') SAND, dry, light brown, well graded with some silt, fine to coarse grain, no stain, no odor.
Dry	<116	0.0	No		2	2	SP-SM	(2-4') SAND, dry, light brown to yellow, poorly graded with some silt, very fine to fine grain, no stain, no odor.
						3		
Dry	<116	0.0	No	BH14	4	4		

Total Depth

	Sample Name: BH15	Date: 03/21/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019386, -103.889753	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	368	0.0	No	BH15	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	408	0.0	No		1	1	SW-SM	(1-2') SAND, dry, light brown, well graded with some silt, fine to coarse grain, no stain, no odor.
Dry	140	0.0	No		2	2	SP-SM	(2-4') SAND, dry, light brown to yellow, poorly graded with some silt, very fine to fine grain, no stain, no odor.
						3		
Dry	116	0.0	No	BH15	4	4		

Total Depth

	Sample Name: BH16	Date: 03/21/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019406, -103.889690	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	408	0.0	No	BH16	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	256	0.0	No		1	1	SW-SM	(1-2') SAND, dry, light brown, well graded with some silt, fine to coarse grain, no stain, no odor.
Dry	140	0.0	No		2	2	SP-SM	(2-4') SAND, dry, light brown to yellow, poorly graded with some silt, very fine to fine grain, no stain, no odor.
						3		
Dry	256	0.0	No	BH16	4	4		

Total Depth

	Sample Name: BH17	Date: 03/21/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019542, -103.889682	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	328	0.0	No	BH17	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	368	0.0	No		1	1	SW-SM	(1-2') SAND, dry, light brown, well graded with some silt, fine to coarse grain, no stain, no odor.
Dry	256	0.0	No		2	2	SP-SM	(2-4') SAND, dry, light brown to yellow, poorly graded with some silt, very fine to fine grain, no stain, no odor.
						3		
Dry	116	0.0	No	BH17	4	4		

Total Depth

eTECH	Sample Name: BH18	Date: 03/21/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019651, -103.889677	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	196	0.0	No	BH18	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	140	0.0	No		1	1	SW-SM	(1-2') SAND, dry, light brown, well graded with some silt, fine to coarse grain, no stain, no odor.
Dry	<116	0.0	No		2	2	SP-SM	(2-4') SAND, dry, light brown to yellow, poorly graded with some silt, very fine to fine grain, no stain, no odor.
						3		
Dry	<116	0.0	No	BH18	4	4		

Total Depth

	Sample Name: BH19	Date: 03/21/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019782, -103.889654	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	368	0.0	No	BH19	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	140	0.0	No		1	1	SW-SM	(1-2') SAND, dry, light brown, well graded with some silt, fine to coarse grain, no stain, no odor.
Dry	<116	0.0	No		2	2	SP-SM	(2-4') SAND, dry, light brown to yellow, poorly graded with some silt, very fine to fine grain, no stain, no odor.
						3		
Dry	<116	0.0	No	BH19	4	4		

Total Depth

	Sample Name: BH20	Date: 03/21/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019906, -103.88965	Hole Diameter: 4 inches	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	<116	0.0	No	BH20	0.5	0.5		(0-1') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.
Dry	<116	0.0	No		1	1	SW-SM	(1-2') SAND, dry, light brown, well graded with some silt, fine to coarse grain, no stain, no odor.
Dry	<116	0.0	No		2	2	SP-SM	(2-4') SAND, dry, light brown to yellow, poorly graded with some silt, very fine to fine grain, no stain, no odor.
						3		
Dry	<116	0.0	No	BH20	4	4		

Total Depth

eTECH	Sample Name: BH21	Date: 06/05/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019683, -103.889560	Hole Diameter: 4 inches	Total Depth: 12 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	5,592	73	No	BH21	0.5	0.5		(0-1') CALICHE, dry, tan-light brown, well graded with silt, fine to coarse grain, abundant small gravel, no stain, earthy odor.
Dry	4,060	26.5	No		1	1		(2-6') SAND, dry, yellow brown, poorly graded with silt, very fine to fine grain, trace small gravel, no stain,
Dry	3,452	10.4	No		2	2	SP-SM	unknown odor.
Dry	2,392	301.4	No	BH21	4	4		@4' increased silt, sour odor
Dry	2,392	647.2	No		5	5		@5' no gravel, H-C odor
Dry	2,392	1,212	No		6	6		@6' Unknown odor
Dry	2,580	542	No		7	7	SW-SM	(7-8') SAND, dry, yellow-tan, well graded with some silt, abundant small gravel, no stain, sour odor.
Dry	1,684	625.5	No	BH21	8	8		@8' no gravel
Dry	4,060	1,960	No		10	10		@10' H-C odor
Dry	2,684	1,560	No	BH21	12	12		

Total Depth

eTECH	Sample Name: BH22	Date: 06/05/2024
	Site Name: RDX Federal Com 28 #009H	
	Incident Number: nAPP2406527330	
	Job Number: 19946	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.019388, -103.889569	Hole Diameter: 4 inches	Total Depth: 8 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	2,464	0.4	No	BH22	0.5	0.5		(0-1') CALICHE, dry, tan-light brown, well graded with silt, fine to coarse grain, abundant small gravel, no stain, no odor.
Dry	2,252	0.2	No		1	1		(2-5') SAND, dry, light brown, poorly graded with silt, very fine to fine grain, no stain, no odor.
Dry	4,764	0.4	No		2	2	SP-SM	@4' faint uknown odor
Dry	6,576	0.8	No	BH22	4	4		(6-8') SAND, dry, light brow-brown, well graded with some silt, fine to coarse grain, trace small gravel, no stain, no odor.
Dry	4,764	1.1	No		6	6	SW-SM	
Dry	884	3.3	No	BH22	8	8		

Total Depth

APPENDIX E

Photographic Log

PHOTOGRAPHIC LOG
WPX Energy Permian, LLC
RDX Federal Com 28 #009H
Incident Numbers nAB1632648516 and nAPP2406527330



Photograph 1 **Date: 06/22/2023**
Description: Southeastern view of delineation activities for Incident Number nAB1632648516.



Photograph 2 **Date: 06/22/2023**
Description: Southwestern view of delineation activities for Incident Number nAB1632648516.



Photograph 3 **Date: 03/07/2024**
Description: Northeastern view of confirmation soil sampling activities.



Photograph 4 **Date: 03/07/2024**
Description: Northwestern view of confirmation soil sampling activities.

PHOTOGRAPHIC LOG
WPX Energy Permian, LLC
RDX Federal Com 28 #009H
Incident Numbers nAB1632648516 and nAPP2406527330



Photograph 5 **Date: 03/21/2024**
Description: Northwestern view of delineation activities for Incident Number nAPP2406527330.



Photograph 6 **Date: 03/21/2024**
Description: Northeastern view of delineation activities for Incident Number nAPP2406527330.



Photograph 7 **Date: 03/21/2024**
Description: Western view of delineation activities for Incident Number nAPP2406527330.



Photograph 8 **Date: 06/05/2024**
Description: Northwestern view of excavation activities.

PHOTOGRAPHIC LOG
WPX Energy Permian, LLC
RDX Federal Com 28 #009H
Incident Numbers nAB1632648516 and nAPP2406527330



Photograph 9 **Date: 06/05/2024**
Description: Eastern view of excavation activities.



Photograph 10 **Date: 06/24/2024**
Description: Southern view of restoration activities.



Photograph 11 **Date: 06/24/2024**
Description: Southern view of restoration activities.



Photograph 12 **Date: 07/18/2024**
Description: View of liner restoration.

APPENDIX F

Tables

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX Federal Com 28 #009H
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples - Incident Number nAB1632648516										
PH01	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	399
PH01	06/22/2023	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	272
PH02	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	108
PH02	06/22/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	30.2
PH03	06/22/2023	0.5	<0.0250	<0.0500	<20.0	144	69	144	213	331
PH03	06/22/2023	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.9
PH04	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	389
PH04	06/22/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	321
PH05	06/22/2023	0.5	<0.0250	<0.0500	<20.0	53.7	58	53.7	111.7	<20.0
PH05	06/22/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH06	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH06	06/22/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH07	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	338
PH07	06/22/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	168
PH08	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	260
PH08	06/22/2023	1	<0.0250	<0.0500	<20.0	30.1	<50.0	30.1	30.1	99.6
PH09	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	146
PH09	06/22/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	149
PH10	08/18/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH10	08/18/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
Delineation Soil Samples - Incident Number nAPP2406527330										
BH01	03/21/2024	0.5	<0.0250	<0.0500	<20.0	2,160	554	**2,160**	**2,710**	6,480
BH01	03/21/2024	2	<0.0250	<0.0500	30.2	1,730	288	**1,760**	2,048	5,310
BH01	03/21/2024	4	<0.0250	0.281	<20.0	1,590	372	**1,590**	1,960	7,250
BH01	06/05/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	1,210
BH01	06/05/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	5,090
BH02	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,120
BH02	03/21/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	500
BH02	03/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,090
BH03	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,300
BH03	03/21/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	378
BH03	03/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,700

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Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX Federal Com 28 #009H
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
BH04	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,960
BH04	03/21/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,470
BH04	03/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,010
BH05	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,960
BH05	03/21/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	864
BH05	03/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	643
BH06	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	82.6
BH06	03/21/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	70.0
BH06	03/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	61.2
BH07	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	79.5
BH07	03/21/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.0
BH07	03/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	72.2
BH08	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	82.5
BH08	03/21/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.2
BH08	03/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	65.5
BH09	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.3
BH09	03/21/2024	2	<0.0250	<0.0500	<20.0	31.9	<50.0	31.9	31.9	136
BH09	03/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	157
BH10	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	81.5
BH10	03/21/2024	2	<0.0250	<0.0500	<20.0	34.4	<50.0	34.4	34.4	150
BH10	03/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	176
BH11	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	77.3
BH11	03/21/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH11	03/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH12	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH12	03/21/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	55.4
BH12	03/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	54.5
BH13	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	142
BH13	03/21/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	54.0
BH13	03/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.3
BH14	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	76.6
BH14	03/21/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	37.3
BH14	03/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.1

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Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX Federal Com 28 #009H
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
BH15	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	81.0
BH15	03/21/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	81.1
BH15	03/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	80.2
BH16	03/21/2024	0.5	<0.0250	<0.0500	<20.0	37.6	<50.0	37.6	37.6	178
BH16	03/21/2024	2	<0.0250	<0.0500	<20.0	30.8	<50.0	30.8	30.8	163
BH16	03/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	91.2
BH17	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	151
BH17	03/21/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	210
BH17	03/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	153
BH18	03/21/2024	0.5	<0.0250	0.0290	<20.0	<25.0	<50.0	<25.0	<50.0	171
BH18	03/21/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	131
BH18	03/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	133
BH19	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	32.1
BH19	03/21/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	133
BH19	03/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	150
BH20	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	139
BH20	03/21/2024	2	<0.0250	0.0325	<20.0	<25.0	<50.0	<25.0	<50.0	143
BH20	03/21/2024	4	<0.0250	0.0355	<20.0	<25.0	<50.0	<25.0	<50.0	120
BH21	06/05/2024	0.5	<0.0250	<0.0500	<20.0	2190	878	**2,190**	**3,070**	6,810
BH21	06/05/2024	4	<0.0250	<0.536	23.5	1,040	340	**1,060**	1,400	3,340
BH21	06/05/2024	8	<0.0250	0.944	37.1	590	189	627	816	2,330
BH21	06/05/2024	12	<0.0250	0.684	29.1	785	389	814	1,200	1,850
BH22	06/05/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,450
BH22	06/05/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,140
BH22	06/05/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,170
Confirmation Soil Samples - Incident Number nAB1632648516										
FS01	03/07/2024	0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,410
FS02	03/07/2024	0.25	<0.0250	<0.0500	<20.0	447	334	447	781	1,410
FS03	03/07/2024	0.25	<0.0250	<0.0500	<20.0	3,280	2,460	**3,280**	**5,740**	1,360
FS03A	06/05/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,370
FS04	03/07/2024	0.25	<0.0250	<0.0500	<20.0	577	322	577	899	139
FS05	03/07/2024	0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
FS06	03/07/2024	0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
FS07	03/07/2024	0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	103

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Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX Federal Com 28 #009H
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
FS08	03/07/2024	0.25	<0.0250	<0.0500	<20.0	82.2	72.7	82.2	155	159
FS09	03/07/2024	0.25	<0.0250	<0.0500	<20.0	32.3	<50.0	32.3	32.3	2,640
FS10	03/07/2024	0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	384
FS11	03/07/2024	0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,010
FS12	03/07/2024	0.25	<0.0250	<0.0500	<20.0	114	93.7	114	208	1,270
FS13	03/07/2024	0.25	<0.0250	<0.0500	<20.0	89.6	119	89.6	209	1,580
FS14	03/07/2024	0.25	<0.0250	<0.0500	<20.0	70.0	72.9	70.0	143	787
FS15	03/07/2024	0.25	<0.0250	<0.0500	<20.0	104	78.0	104	182	2,450
FS16	03/07/2024	0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	261
FS17	03/07/2024	0.25	<0.0250	<0.0500	<20.0	122	111	122	233	523
FS18	03/07/2024	0.25	<0.0250	<0.0500	<20.0	4,890	1,930	**4,890**	**6,820**	1,300
FS18A	06/05/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	379
FS19	03/07/2024	0.25	<0.0250	<0.0500	<20.0	168	<50.0	168	168	502
FS20	03/07/2024	0.25	<0.0250	<0.0500	<20.0	439	284	439	723	<100
FS21	03/07/2024	0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	105
FS22	03/07/2024	0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,380
FS23	03/07/2024	0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	464
FS24	03/07/2024	0.25	<0.0250	<0.0500	<20.0	56.0	<50.0	56.0	56.0	546
FS25	03/07/2024	0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	266
FS26	03/07/2024	0.25	<0.0250	0.426	<20.0	602	295	602	897	8,380
FS27	03/07/2024	0.25	<0.0250	0.373	<20.0	422	193	422	615	7,790
FS28	03/07/2024	0.25	<0.0250	0.209	<20.0	977	429	977	1,406	6,750
FS29	03/07/2024	0.25	<0.0250	0.112	<20.0	589	354	589	943	7,100
FS30	06/05/2024	0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,180
FS31	06/05/2024	0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,540

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SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX Federal Com 28 #009H
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
SW01	03/07/2024	0-0.25	<0.0250	<0.0500	<20.0	65.5	75.4	65.5	141	145
SW02	03/07/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	119
SW03	03/07/2024	0-0.25	<0.0250	<0.0500	<20.0	30.0	<50.0	30.0	30.0	116
SW04	03/07/2024	0-0.25	<0.0250	<0.0500	<20.0	609	427	609	1,036	<100
SW04	06/05/2024	0-0.5	<0.0250	<0.0500	<20.0	<25.5	<50.0	<50.0	<50.0	<200

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

APPENDIX G

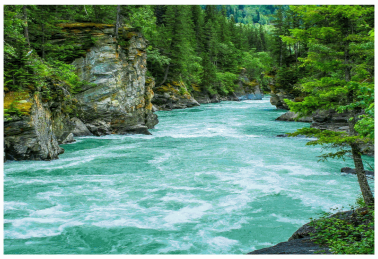
Laboratory Analytical Reports & Chain-of-Custody Documentation

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213

Report to:

Joseph Hernandez









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E306194
Job Number:	01058-0007
Received:	6/26/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/29/23

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

Date Reported: 6/29/23

Joseph Hernandez
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E306194
Date Received: 6/26/2023 7:00:00AM

Joseph Hernandez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/26/2023 7:00:00AM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- PH01 0.5’ 5
- PH01 2’ 6
- PH02 0.5’ 7
- PH02 4’ 8
- PH03 0.5’ 9
- PH03 2’ 10

QC Summary Data 11

- QC - Volatile Organics by EPA 8021B 11
- QC - Nonhalogenated Organics by EPA 8015D - GRO 12
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13
- QC - Anions by EPA 300.0/9056A 14

Definitions and Notes 15

Chain of Custody etc. 16

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	06/29/23 14:14

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 0.5'	E306194-01A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH01 2'	E306194-02A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH02 0.5'	E306194-03A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH02 4'	E306194-04A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH03 0.5'	E306194-05A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH03 2'	E306194-06A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

PH01 0.5'

E306194-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Benzene	ND	0.0250	1	06/26/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/28/23	
Toluene	ND	0.0250	1	06/26/23	06/28/23	
o-Xylene	ND	0.0250	1	06/26/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.6 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.6 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326035
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*06/27/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326024
Chloride	**399**	40.0	2	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

PH01 2'

E306194-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Benzene	ND	0.0250	1	06/26/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/28/23	
Toluene	ND	0.0250	1	06/26/23	06/28/23	
o-Xylene	ND	0.0250	1	06/26/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.7 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.2 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326035
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
Surrogate: n-Nonane		*96.4 %*	*50-200*	*06/27/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326024
Chloride	**272**	100	5	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

PH02 0.5'

E306194-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Benzene	ND	0.0250	1	06/26/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/28/23	
Toluene	ND	0.0250	1	06/26/23	06/28/23	
o-Xylene	ND	0.0250	1	06/26/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326035
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*06/27/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326024
Chloride	**108**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

PH02 4'

E306194-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Benzene	ND	0.0250	1	06/26/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/28/23	
Toluene	ND	0.0250	1	06/26/23	06/28/23	
o-Xylene	ND	0.0250	1	06/26/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.6 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326035
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
Surrogate: n-Nonane		*96.6 %*	*50-200*	*06/27/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326024
Chloride	**30.2**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

PH03 0.5'

E306194-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Benzene	ND	0.0250	1	06/26/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/28/23	
Toluene	ND	0.0250	1	06/26/23	06/28/23	
o-Xylene	ND	0.0250	1	06/26/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.3 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326035
Diesel Range Organics (C10-C28)	**144**	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	**69.0**	50.0	1	06/27/23	06/28/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*06/27/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326024
Chloride	**331**	40.0	2	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

PH03 2'

E306194-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Benzene	ND	0.0250	1	06/26/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/28/23	
Toluene	ND	0.0250	1	06/26/23	06/28/23	
o-Xylene	ND	0.0250	1	06/26/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.6 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.4 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326035
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*06/27/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326024
Chloride	**25.9**	20.0	1	06/27/23	06/27/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326011-BLK1)									Prepared: 06/26/23 Analyzed: 06/28/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.66*		*8.00*		*95.8*	*70-130*			
LCS (2326011-BS1)									Prepared: 06/26/23 Analyzed: 06/28/23
Benzene	4.94	0.0250	5.00		98.8	70-130			
Ethylbenzene	4.76	0.0250	5.00		95.2	70-130			
Toluene	4.94	0.0250	5.00		98.7	70-130			
o-Xylene	4.88	0.0250	5.00		97.7	70-130			
p,m-Xylene	9.84	0.0500	10.0		98.4	70-130			
Total Xylenes	14.7	0.0250	15.0		98.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.66*		*8.00*		*95.8*	*70-130*			
Matrix Spike (2326011-MS1)				**Source: E306194-04**					Prepared: 06/26/23 Analyzed: 06/28/23
Benzene	5.01	0.0250	5.00	ND	100	54-133			
Ethylbenzene	4.84	0.0250	5.00	ND	96.8	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	4.97	0.0250	5.00	ND	99.3	63-131			
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	99.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.8*	*70-130*			
Matrix Spike Dup (2326011-MSD1)				**Source: E306194-04**					Prepared: 06/26/23 Analyzed: 06/28/23
Benzene	4.92	0.0250	5.00	ND	98.4	54-133	1.74	20	
Ethylbenzene	4.76	0.0250	5.00	ND	95.2	61-133	1.66	20	
Toluene	4.93	0.0250	5.00	ND	98.6	61-130	1.57	20	
o-Xylene	4.89	0.0250	5.00	ND	97.9	63-131	1.50	20	
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	63-131	1.62	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.2	63-131	1.58	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.67*		*8.00*		*95.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326011-BLK1)									Prepared: 06/26/23 Analyzed: 06/28/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.97*		*8.00*		*87.1*	*70-130*			
LCS (2326011-BS2)									Prepared: 06/26/23 Analyzed: 06/28/23
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.01*		*8.00*		*87.7*	*70-130*			
Matrix Spike (2326011-MS2)				**Source: E306194-04**					Prepared: 06/26/23 Analyzed: 06/28/23
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.05*		*8.00*		*88.1*	*70-130*			
Matrix Spike Dup (2326011-MSD2)				**Source: E306194-04**					Prepared: 06/26/23 Analyzed: 06/28/23
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.2	70-130	0.798	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.03*		*8.00*		*87.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326035-BLK1)									Prepared: 06/27/23 Analyzed: 06/27/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.4*		*50.0*		*107*	*50-200*			
LCS (2326035-BS1)									Prepared: 06/27/23 Analyzed: 06/27/23
Diesel Range Organics (C10-C28)	281	25.0	250		113	38-132			
Surrogate: n-Nonane	*49.6*		*50.0*		*99.2*	*50-200*			
Matrix Spike (2326035-MS1)				**Source: E306208-03**					Prepared: 06/27/23 Analyzed: 06/27/23
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*50-200*			
Matrix Spike Dup (2326035-MSD1)				**Source: E306208-03**					Prepared: 06/27/23 Analyzed: 06/27/23
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	38-132	3.06	20	
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326024-BLK1)									Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	ND	20.0							
LCS (2326024-BS1)									Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	246	20.0	250		98.3	90-110			
Matrix Spike (2326024-MS1)				**Source: E306194-01**					Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	650	40.0	250	399	101	80-120			
Matrix Spike Dup (2326024-MSD1)				**Source: E306194-01**					Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	687	40.0	250	399	115	80-120	5.42	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	06/29/23 14:14

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 6/26/2023 2:49:02PM

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:	WPX Energy - Carlsbad	Date Received:	06/26/23 07:00	Work Order ID:	E306194
Phone:	(539) 573-4018	Date Logged In:	06/26/23 08:02	Logged In By:	Alexa Michaels
Email:	jhernandez@ensolum.com	Due Date:	06/30/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

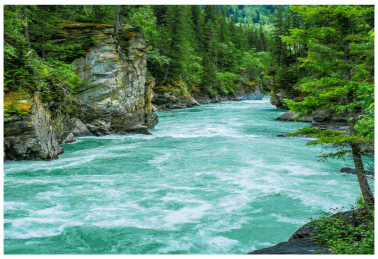
Date

envirotech Inc.

Report to:

Joseph Hernandez









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E306198
Job Number:	01058-0007
Received:	6/26/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/30/23

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

Date Reported: 6/30/23

Joseph Hernandez
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E306198
Date Received: 6/26/2023 7:00:00AM

Joseph Hernandez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/26/2023 7:00:00AM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- PH04 0.5’ 5
- PH04 1’ 6
- PH05 0.5’ 7
- PH05 1’ 8
- PH06 0.5’ 9
- PH06 1’ 10
- PH07 0.5’ 11
- PH07 1’ 12
- PH08 0.5’ 13
- PH08 1’ 14
- PH09 0.5’ 15
- PH09 1’ 16

QC Summary Data 17

- QC - Volatile Organic Compounds by EPA 8260B 17
- QC - Nonhalogenated Organics by EPA 8015D - GRO 18
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 19
- QC - Anions by EPA 300.0/9056A 20

Definitions and Notes 21

Chain of Custody etc. 22

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	06/30/23 11:29

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH04 0.5'	E306198-01A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH04 1'	E306198-02A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH05 0.5'	E306198-03A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH05 1'	E306198-04A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH06 0.5'	E306198-05A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH06 1'	E306198-06A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH07 0.5'	E306198-07A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH07 1'	E306198-08A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH08 0.5'	E306198-09A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH08 1'	E306198-10A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH09 0.5'	E306198-11A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH09 1'	E306198-12A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH04 0.5'

E306198-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*87.7 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**389**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH04 1'

E306198-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*87.7 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**321**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH05 0.5'

E306198-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	**53.7**	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	**58.0**	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*86.8 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	ND	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH05 1'

E306198-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*89.2 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	ND	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH06 0.5'

E306198-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*89.1 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	ND	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH06 1'

E306198-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*92.1 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	ND	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH07 0.5'

E306198-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*90.2 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**338**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH07 1'

E306198-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/29/23	
Surrogate: n-Nonane		*92.9 %*	*50-200*	*06/28/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**168**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH08 0.5'

E306198-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/29/23	
Surrogate: n-Nonane		*85.7 %*	*50-200*	*06/28/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**260**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH08 1'

E306198-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	**30.1**	25.0	1	06/28/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/29/23	
Surrogate: n-Nonane		*86.4 %*	*50-200*	*06/28/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**99.6**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH09 0.5'

E306198-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/29/23	
Surrogate: n-Nonane		*89.7 %*	*50-200*	*06/28/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**146**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH09 1'

E306198-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/29/23	
Surrogate: n-Nonane		*93.1 %*	*50-200*	*06/28/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**149**	20.0	1	06/27/23	06/27/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

Volatile Organic Compounds by EPA 8260B

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 (2326013-BLK1)									Prepared: 06/26/23 Analyzed: 06/27/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.488*		*0.500*		*97.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			
LCS (2326013-BS1)									Prepared: 06/26/23 Analyzed: 06/27/23
Benzene	2.56	0.0250	2.50		102	70-130			
Ethylbenzene	2.49	0.0250	2.50		99.6	70-130			
Toluene	2.53	0.0250	2.50		101	70-130			
o-Xylene	2.57	0.0250	2.50		103	70-130			
p,m-Xylene	5.09	0.0500	5.00		102	70-130			
Total Xylenes	7.66	0.0250	7.50		102	70-130			
Surrogate: Bromofluorobenzene	*0.475*		*0.500*		*94.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.470*		*0.500*		*94.0*	*70-130*			
Surrogate: Toluene-d8	*0.507*		*0.500*		*101*	*70-130*			
Matrix Spike (2326013-MS1)				**Source: E306198-01**					Prepared: 06/26/23 Analyzed: 06/27/23
Benzene	2.56	0.0250	2.50	ND	102	48-131			
Ethylbenzene	2.51	0.0250	2.50	ND	101	45-135			
Toluene	2.57	0.0250	2.50	ND	103	48-130			
o-Xylene	2.56	0.0250	2.50	ND	102	43-135			
p,m-Xylene	5.10	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.67	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	*0.475*		*0.500*		*95.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2326013-MSD1)				**Source: E306198-01**					Prepared: 06/26/23 Analyzed: 06/27/23
Benzene	2.53	0.0250	2.50	ND	101	48-131	1.16	23	
Ethylbenzene	2.48	0.0250	2.50	ND	99.1	45-135	1.50	27	
Toluene	2.53	0.0250	2.50	ND	101	48-130	1.22	24	
o-Xylene	2.56	0.0250	2.50	ND	102	43-135	0.0390	27	
p,m-Xylene	5.11	0.0500	5.00	ND	102	43-135	0.0685	27	
Total Xylenes	7.67	0.0250	7.50	ND	102	43-135	0.0326	27	
Surrogate: Bromofluorobenzene	*0.487*		*0.500*		*97.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.5*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326013-BLK1)									Prepared: 06/26/23 Analyzed: 06/27/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.488*		*0.500*		*97.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			
LCS (2326013-BS2)									Prepared: 06/26/23 Analyzed: 06/27/23
Gasoline Range Organics (C6-C10)	62.8	20.0	50.0		126	70-130			
Surrogate: Bromofluorobenzene	*0.517*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.2*	*70-130*			
Surrogate: Toluene-d8	*0.532*		*0.500*		*106*	*70-130*			
Matrix Spike (2326013-MS2)				**Source: E306198-01**					Prepared: 06/26/23 Analyzed: 06/27/23
Gasoline Range Organics (C6-C10)	60.2	20.0	50.0	ND	120	70-130			
Surrogate: Bromofluorobenzene	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.8*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			
Matrix Spike Dup (2326013-MSD2)				**Source: E306198-01**					Prepared: 06/26/23 Analyzed: 06/27/23
Gasoline Range Organics (C6-C10)	58.4	20.0	50.0	ND	117	70-130	3.13	20	
Surrogate: Bromofluorobenzene	*0.497*		*0.500*		*99.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.3*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326038-BLK1)									Prepared: 06/28/23 Analyzed: 06/28/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*42.9*		*50.0*		*85.8*	*50-200*			
LCS (2326038-BS1)									Prepared: 06/28/23 Analyzed: 06/28/23
Diesel Range Organics (C10-C28)	250	25.0	250		99.9	38-132			
Surrogate: n-Nonane	*42.4*		*50.0*		*84.8*	*50-200*			
Matrix Spike (2326038-MS1)				**Source: E306198-09**					Prepared: 06/28/23 Analyzed: 06/28/23
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132			
Surrogate: n-Nonane	*42.7*		*50.0*		*85.5*	*50-200*			
Matrix Spike Dup (2326038-MSD1)				**Source: E306198-09**					Prepared: 06/28/23 Analyzed: 06/28/23
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132	2.08	20	
Surrogate: n-Nonane	*42.5*		*50.0*		*84.9*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326022-BLK1)									Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	ND	20.0							
LCS (2326022-BS1)									Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	264	20.0	250		105	90-110			
Matrix Spike (2326022-MS1)				**Source: E306198-01**					Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	690	20.0	250	389	120	80-120			
Matrix Spike Dup (2326022-MSD1)				**Source: E306198-01**					Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	670	20.0	250	389	112	80-120	3.00	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	06/30/23 11:29

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Client: WPX Energy Permian LLC.	Bill To	Lab Use Only	TAT / EPA Program
Project: RDX FEDERAL COM 28 #009H	Attention: Jim Raley	Lab WO# E30G198	Job Number 01058-0007
Project Manager: Joseph Hernandez	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		EPA Program: CWA SDWA RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: (281) 702-2329	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WO: 21181898		
Collected by: Edyte Konan	Incident ID: nAB1632648516		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
10:00	6/22/2023	S	1	PH04	1	0.5'								X				
10:10	6/22/2023	S	1	PH04	2	1'								X				
10:20	6/22/2023	S	1	PH05	3	0.5'								X				
10:30	6/22/2023	S	1	PH05	4	1'								X				
10:40	6/22/2023	S	1	PH06	5	0.5'								X				
10:50	6/22/2023	S	1	PH06	6	1'								X				
11:00	6/22/2023	S	1	PH07	7	0.5'								X				
11:10	6/22/2023	S	1	PH07	8	1'								X				
11:20	6/22/2023	S	1	PH08	9	0.5'								X				
11:30	6/22/2023	S	1	PH08	10	1'								X				

Additional Instructions:

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:

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
Edyte Konan	06/23/2023	1145	Michelle R Gonzales	06-23-23	1145
Michelle R Gonzales	06-23-23	1645	[signature]	6-24-23	7:00

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

| | | |

Envirotech Analytical Laboratory

Printed: 6/26/2023 2:56:40PM

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:	WPX Energy - Carlsbad	Date Received:	06/26/23 07:00	Work Order ID:	E306198
Phone:	(539) 573-4018	Date Logged In:	06/26/23 08:12	Logged In By:	Alexa Michaels
Email:	jhernandez@ensolum.com	Due Date:	06/30/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

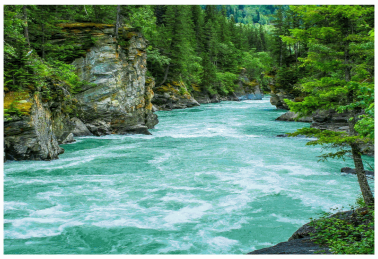
Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E308152
Job Number:	01058-0007
Received:	8/18/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/25/23

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

Date Reported: 8/25/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E308152
Date Received: 8/18/2023 1:50:00PM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/18/2023 1:50:00PM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Rayny Hagan
Technical Representative
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

PH10 0.5’ 5

PH10 1’ 6

QC Summary Data 7

QC - Volatile Organic Compounds by EPA 8260B 7

QC - Nonhalogenated Organics by EPA 8015D - GRO 8

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 9

QC - Anions by EPA 300.0/9056A 10

Definitions and Notes 11

Chain of Custody etc. 12

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	08/25/23 10:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH10 0.5'	E308152-01A	Soil	08/18/23	08/18/23	Glass Jar, 2 oz.
PH10 1'	E308152-02A	Soil	08/18/23	08/18/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/25/2023 10:13:47AM

PH10 0.5'

E308152-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2334015
Benzene	ND	0.0250	1	08/21/23	08/23/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/23/23	
Toluene	ND	0.0250	1	08/21/23	08/23/23	
o-Xylene	ND	0.0250	1	08/21/23	08/23/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/23/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/23/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/21/23*	*08/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2334015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/23/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/21/23*	*08/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2334035
Diesel Range Organics (C10-C28)	ND	25.0	1	08/22/23	08/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/22/23	08/23/23	
Surrogate: n-Nonane		*87.1 %*	*50-200*	*08/22/23*	*08/23/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2334023
Chloride	ND	20.0	1	08/22/23	08/23/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/25/2023 10:13:47AM

PH10 1'

E308152-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2334015
Benzene	ND	0.0250	1	08/21/23	08/23/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/23/23	
Toluene	ND	0.0250	1	08/21/23	08/23/23	
o-Xylene	ND	0.0250	1	08/21/23	08/23/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/23/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/23/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*08/21/23*	*08/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2334015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/23/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*08/21/23*	*08/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2334035
Diesel Range Organics (C10-C28)	ND	25.0	1	08/22/23	08/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/22/23	08/23/23	
Surrogate: n-Nonane		*86.3 %*	*50-200*	*08/22/23*	*08/23/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2334023
Chloride	ND	20.0	1	08/22/23	08/23/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/25/2023 10:13:47AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2334015-BLK1)									Prepared: 08/21/23 Analyzed: 08/23/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
LCS (2334015-BS1)									Prepared: 08/21/23 Analyzed: 08/23/23
Benzene	2.84	0.0250	2.50		114	70-130			
Ethylbenzene	2.61	0.0250	2.50		104	70-130			
Toluene	2.73	0.0250	2.50		109	70-130			
o-Xylene	2.77	0.0250	2.50		111	70-130			
p,m-Xylene	5.41	0.0500	5.00		108	70-130			
Total Xylenes	8.18	0.0250	7.50		109	70-130			
Surrogate: Bromofluorobenzene	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.497*		*0.500*		*99.3*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			
Matrix Spike (2334015-MS1)				**Source: E308149-03**					Prepared: 08/21/23 Analyzed: 08/23/23
Benzene	2.71	0.0250	2.50	ND	108	48-131			
Ethylbenzene	2.47	0.0250	2.50	ND	98.6	45-135			
Toluene	2.55	0.0250	2.50	ND	102	48-130			
o-Xylene	2.60	0.0250	2.50	ND	104	43-135			
p,m-Xylene	5.09	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.69	0.0250	7.50	ND	103	43-135			
Surrogate: Bromofluorobenzene	*0.526*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.489*		*0.500*		*97.8*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2334015-MSD1)				**Source: E308149-03**					Prepared: 08/21/23 Analyzed: 08/23/23
Benzene	2.70	0.0250	2.50	ND	108	48-131	0.203	23	
Ethylbenzene	2.49	0.0250	2.50	ND	99.7	45-135	1.07	27	
Toluene	2.57	0.0250	2.50	ND	103	48-130	0.780	24	
o-Xylene	2.64	0.0250	2.50	ND	106	43-135	1.54	27	
p,m-Xylene	5.19	0.0500	5.00	ND	104	43-135	2.01	27	
Total Xylenes	7.84	0.0250	7.50	ND	104	43-135	1.85	27	
Surrogate: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.1*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/25/2023 10:13:47AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2334015-BLK1)									Prepared: 08/21/23 Analyzed: 08/23/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
LCS (2334015-BS2)									Prepared: 08/21/23 Analyzed: 08/23/23
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	*0.522*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.2*	*70-130*			
Surrogate: Toluene-d8	*0.520*		*0.500*		*104*	*70-130*			
Matrix Spike (2334015-MS2)				**Source: E308149-03**					Prepared: 08/21/23 Analyzed: 08/23/23
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	*0.513*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.3*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			
Matrix Spike Dup (2334015-MSD2)				**Source: E308149-03**					Prepared: 08/21/23 Analyzed: 08/23/23
Gasoline Range Organics (C6-C10)	57.6	20.0	50.0	ND	115	70-130	6.19	20	
Surrogate: Bromofluorobenzene	*0.513*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.527*		*0.500*		*105*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/25/2023 10:13:47AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2334035-BLK1)									Prepared: 08/22/23 Analyzed: 08/23/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.2*		*50.0*		*108*	*50-200*			
LCS (2334035-BS1)									Prepared: 08/22/23 Analyzed: 08/23/23
Diesel Range Organics (C10-C28)	243	25.0	250		97.2	38-132			
Surrogate: n-Nonane	*42.3*		*50.0*		*84.6*	*50-200*			
Matrix Spike (2334035-MS1)				**Source: E308150-01**					Prepared: 08/22/23 Analyzed: 08/23/23
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.3	38-132			
Surrogate: n-Nonane	*40.5*		*50.0*		*80.9*	*50-200*			
Matrix Spike Dup (2334035-MSD1)				**Source: E308150-01**					Prepared: 08/22/23 Analyzed: 08/23/23
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.6	38-132	0.302	20	
Surrogate: n-Nonane	*38.3*		*50.0*		*76.7*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/25/2023 10:13:47AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2334023-BLK1)									Prepared: 08/22/23 Analyzed: 08/23/23
Chloride	ND	20.0							
LCS (2334023-BS1)									Prepared: 08/22/23 Analyzed: 08/23/23
Chloride	249	20.0	250		99.8	90-110			
Matrix Spike (2334023-MS1)				**Source: E308148-01**					Prepared: 08/22/23 Analyzed: 08/23/23
Chloride	304	20.0	250	52.3	101	80-120			
Matrix Spike Dup (2334023-MSD1)				**Source: E308148-01**					Prepared: 08/22/23 Analyzed: 08/23/23
Chloride	300	20.0	250	52.3	99.3	80-120	1.19	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	08/25/23 10:13

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Client: WPX Energy Permian LLC.	Bill To	Lab Use Only		TAT				EPA Program	
Project: RDX FEDERAL COM 28 #009H	Attention: Jim Raley	Lab WO# E308152	Job Number 01058-0007	1D	2D	3D	Standard	CWA	SDWA
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.						5 day TAT		
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220	Analysis and Method							RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502								
Phone: (832)541-7719	Email: jim.raley@dvn.com							State	
Email: Devon-team@etechenv.com	WO: 21181898							NM CO UT AZ TX	
Collected by: Edyte Konan	Incident ID: nAB1632648516								

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
9:10	8/18/2023	S	1	PH10	1	0.5'								X				
9:20	8/18/2023	S	1	PH10	2	1'								X				

Additional Instructions:

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:

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
[signature]	08/18/23	14:00	[signature]	8/18/23	1350
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: Y / N
T1 T2 T3
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

Envirotech Analytical Laboratory

Printed: 8/21/2023 10:50:09AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	08/18/23 13:50	Work Order ID:	E308152
Phone:	(539) 573-4018	Date Logged In:	08/21/23 09:19	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	08/25/23 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E403235
Job Number:	01058-0007
Received:	3/25/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/1/24

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

Date Reported: 4/1/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E403235
Date Received: 3/25/2024 10:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/25/2024 10:00:00AM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 6

Sample Data 7

BH01 0.5’ 7

BH01 2’ 8

BH02 0.5’ 9

BH02 2’ 10

BH03 0.5’ 11

BH03 2’ 12

BH04 0.5’ 13

BH04 2’ 14

BH05 0.5’ 15

BH05 2’ 16

BH06 0.5’ 17

BH06 2’ 18

BH07 0.5’ 19

BH07 2’ 20

BH08 0.5’ 21

BH08 2’ 22

BH09 0.5’ 23

BH09 2’ 24

BH10 0.5’ 25

BH10 2’ 26

Table of Contents (continued)

BH11 0.5’ 27

BH11 2’ 28

BH12 0.5’ 29

BH12 2’ 30

BH13 0.5’ 31

BH13 2’ 32

BH14 0.5’ 33

BH14 2’ 34

BH15 0.5’ 35

BH15 2’ 36

BH16 0.5’ 37

BH16 2’ 38

BH17 0.5’ 39

BH17 2’ 40

BH18 0.5’ 41

BH18 2’ 42

BH19 0.5’ 43

BH19 2’ 44

BH20 0.5’ 45

BH20 2’ 46

QC Summary Data 47

QC - Volatile Organic Compounds by EPA 8260B 47

QC - Nonhalogenated Organics by EPA 8015D - GRO 49

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 51

QC - Anions by EPA 300.0/9056A 53

Table of Contents (continued)

Definitions and Notes 55

Chain of Custody etc. 56

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/01/24 16:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 0.5'	E403235-01A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH01 2'	E403235-02A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH02 0.5'	E403235-03A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH02 2'	E403235-04A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH03 0.5'	E403235-05A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH03 2'	E403235-06A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH04 0.5'	E403235-07A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH04 2'	E403235-08A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH05 0.5'	E403235-09A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH05 2'	E403235-10A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH06 0.5'	E403235-11A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH06 2'	E403235-12A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH07 0.5'	E403235-13A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH07 2'	E403235-14A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH08 0.5'	E403235-15A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH08 2'	E403235-16A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH09 0.5'	E403235-17A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH09 2'	E403235-18A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH10 0.5'	E403235-19A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH10 2'	E403235-20A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH11 0.5'	E403235-21A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH11 2'	E403235-22A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH12 0.5'	E403235-23A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH12 2'	E403235-24A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH13 0.5'	E403235-25A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH13 2'	E403235-26A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH14 0.5'	E403235-27A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH14 2'	E403235-28A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH15 0.5'	E403235-29A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH15 2'	E403235-30A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH16 0.5'	E403235-31A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH16 2'	E403235-32A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH17 0.5'	E403235-33A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH17 2'	E403235-34A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH18 0.5'	E403235-35A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH18 2'	E403235-36A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH19 0.5'	E403235-37A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH19 2'	E403235-38A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH20 0.5'	E403235-39A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH20 2'	E403235-40A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH01 0.5'

E403235-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.1 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.1 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	**2160**	25.0	1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	**554**	50.0	1	03/28/24	03/29/24	
Surrogate: n-Nonane		*84.3 %*	*50-200*	*03/28/24*	*03/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**6480**	100	5	03/26/24	03/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH01 2'

E403235-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	**30.2**	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	**1730**	25.0	1	03/28/24	04/01/24	
Oil Range Organics (C28-C36)	**288**	50.0	1	03/28/24	04/01/24	
Surrogate: n-Nonane		*89.1 %*	*50-200*	*03/28/24*	*04/01/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**5310**	100	5	03/26/24	03/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH02 0.5'

E403235-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.5 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.5 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/29/24	
Surrogate: n-Nonane		*88.3 %*	*50-200*	*03/28/24*	*03/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**5120**	200	10	03/26/24	03/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH02 2'

E403235-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.7 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.7 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/29/24	
Surrogate: n-Nonane		*88.0 %*	*50-200*	*03/28/24*	*03/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**500**	200	10	03/26/24	03/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH03 0.5'

E403235-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/29/24	
Surrogate: n-Nonane		*86.7 %*	*50-200*	*03/28/24*	*03/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**5300**	200	10	03/26/24	03/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH03 2'

E403235-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.6 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.6 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/29/24	
Surrogate: n-Nonane		*89.4 %*	*50-200*	*03/28/24*	*03/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**378**	100	5	03/26/24	03/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH04 0.5'

E403235-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/29/24	
Surrogate: n-Nonane		*87.3 %*	*50-200*	*03/28/24*	*03/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**5960**	200	10	03/26/24	03/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH04 2'

E403235-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.6 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.6 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/29/24	
Surrogate: n-Nonane		*80.6 %*	*50-200*	*03/28/24*	*03/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**5470**	200	10	03/26/24	03/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH05 0.5'

E403235-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*73.2 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**5960**	200	10	03/26/24	03/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH05 2'

E403235-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.0 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.0 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*81.2 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**864**	20.0	1	03/26/24	03/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH06 0.5'

E403235-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*84.3 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**82.6**	20.0	1	03/26/24	03/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH06 2'

E403235-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*84.2 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**70.0**	20.0	1	03/26/24	03/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH07 0.5'

E403235-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.4 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.4 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*82.7 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**79.5**	20.0	1	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH07 2'

E403235-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*83.6 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**75.0**	20.0	1	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH08 0.5'

E403235-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.9 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.9 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*83.6 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**82.5**	20.0	1	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH08 2'

E403235-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*81.6 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**75.2**	20.0	1	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH09 0.5'

E403235-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.8 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.8 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*79.3 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**75.3**	20.0	1	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH09 2'

E403235-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.7 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.7 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	**31.9**	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*80.0 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**136**	20.0	1	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH10 0.5'

E403235-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*83.9 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**81.5**	20.0	1	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH10 2'

E403235-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*89.8 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*89.8 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413086
Diesel Range Organics (C10-C28)	**34.4**	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*82.7 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413051
Chloride	**150**	40.0	2	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH11 0.5'

E403235-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/29/24	
Surrogate: n-Nonane		*95.6 %*	*50-200*	*03/28/24*	*03/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	**77.3**	20.0	1	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH11 2'

E403235-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/29/24	
Surrogate: n-Nonane		*99.4 %*	*50-200*	*03/28/24*	*03/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	ND	20.0	1	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH12 0.5'

E403235-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/29/24	
Surrogate: n-Nonane		*99.7 %*	*50-200*	*03/28/24*	*03/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	ND	20.0	1	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH12 2'

E403235-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/29/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*03/28/24*	*03/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	**55.4**	20.0	1	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH13 0.5'

E403235-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/29/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*03/28/24*	*03/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	**142**	40.0	2	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH13 2'

E403235-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/29/24	
Surrogate: n-Nonane		*98.9 %*	*50-200*	*03/28/24*	*03/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	**54.0**	20.0	1	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH14 0.5'

E403235-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/29/24	
Surrogate: n-Nonane		*97.9 %*	*50-200*	*03/28/24*	*03/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	**76.6**	20.0	1	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH14 2'

E403235-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	**37.3**	20.0	1	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH15 0.5'

E403235-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	**81.0**	20.0	1	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH15 2'

E403235-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	**81.1**	20.0	1	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH16 0.5'

E403235-31

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	**37.6**	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	**178**	40.0	2	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH16 2'

E403235-32

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	**30.8**	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	**163**	40.0	2	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH17 0.5'

E403235-33

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	**151**	40.0	2	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH17 2'

E403235-34

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*96.6 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	**210**	40.0	2	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH18 0.5'

E403235-35

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	**0.0290**	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*99.5 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	**171**	100	5	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH18 2'

E403235-36

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	**131**	40.0	2	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH19 0.5'

E403235-37

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	**32.1**	20.0	1	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH19 2'

E403235-38

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*95.4 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	**133**	40.0	2	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH20 0.5'

E403235-39

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	ND	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*99.2 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	**139**	40.0	2	03/26/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

BH20 2'

E403235-40

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Benzene	ND	0.0250	1	03/26/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/29/24	
Toluene	**0.0325**	0.0250	1	03/26/24	03/29/24	
o-Xylene	ND	0.0250	1	03/26/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/29/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/26/24*	*03/29/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/26/24*	*03/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		*98.9 %*	*50-200*	*03/28/24*	*03/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2413056
Chloride	**143**	40.0	2	03/26/24	03/27/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2413039-BLK1)									Prepared: 03/26/24 Analyzed: 03/28/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.540*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			
LCS (2413039-BS1)									Prepared: 03/26/24 Analyzed: 03/28/24
Benzene	2.59	0.0250	2.50		104	70-130			
Ethylbenzene	2.61	0.0250	2.50		104	70-130			
Toluene	2.53	0.0250	2.50		101	70-130			
o-Xylene	2.51	0.0250	2.50		100	70-130			
p,m-Xylene	5.06	0.0500	5.00		101	70-130			
Total Xylenes	7.57	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	*0.497*		*0.500*		*99.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.2*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			
Matrix Spike (2413039-MS1)				**Source: E403235-24**					Prepared: 03/26/24 Analyzed: 03/28/24
Benzene	2.61	0.0250	2.50	ND	104	48-131			
Ethylbenzene	2.57	0.0250	2.50	ND	103	45-135			
Toluene	2.49	0.0250	2.50	ND	99.5	48-130			
o-Xylene	2.56	0.0250	2.50	ND	102	43-135			
p,m-Xylene	5.13	0.0500	5.00	ND	103	43-135			
Total Xylenes	7.69	0.0250	7.50	ND	103	43-135			
Surrogate: Bromofluorobenzene	*0.517*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.4*	*70-130*			
Surrogate: Toluene-d8	*0.510*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2413039-MSD1)				**Source: E403235-24**					Prepared: 03/26/24 Analyzed: 03/28/24
Benzene	2.42	0.0250	2.50	ND	96.9	48-131	7.59	23	
Ethylbenzene	2.41	0.0250	2.50	ND	96.2	45-135	6.57	27	
Toluene	2.32	0.0250	2.50	ND	92.7	48-130	6.99	24	
o-Xylene	2.44	0.0250	2.50	ND	97.5	43-135	4.69	27	
p,m-Xylene	4.85	0.0500	5.00	ND	97.1	43-135	5.61	27	
Total Xylenes	7.29	0.0250	7.50	ND	97.2	43-135	5.30	27	
Surrogate: Bromofluorobenzene	*0.522*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.7*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2413040-BLK1)									Prepared: 03/26/24 Analyzed: 03/28/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.549*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.461*		*0.500*		*92.1*	*70-130*			
Surrogate: Toluene-d8	*0.542*		*0.500*		*108*	*70-130*			
LCS (2413040-BS1)									Prepared: 03/26/24 Analyzed: 03/28/24
Benzene	2.92	0.0250	2.50		117	70-130			
Ethylbenzene	2.79	0.0250	2.50		112	70-130			
Toluene	3.00	0.0250	2.50		120	70-130			
o-Xylene	2.88	0.0250	2.50		115	70-130			
p,m-Xylene	5.71	0.0500	5.00		114	70-130			
Total Xylenes	8.59	0.0250	7.50		114	70-130			
Surrogate: Bromofluorobenzene	*0.542*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.2*	*70-130*			
Surrogate: Toluene-d8	*0.531*		*0.500*		*106*	*70-130*			
Matrix Spike (2413040-MS1)				**Source: E403235-04**					Prepared: 03/26/24 Analyzed: 03/28/24
Benzene	2.92	0.0250	2.50	ND	117	48-131			
Ethylbenzene	2.79	0.0250	2.50	ND	112	45-135			
Toluene	3.00	0.0250	2.50	ND	120	48-130			
o-Xylene	2.92	0.0250	2.50	ND	117	43-135			
p,m-Xylene	5.80	0.0500	5.00	ND	116	43-135			
Total Xylenes	8.73	0.0250	7.50	ND	116	43-135			
Surrogate: Bromofluorobenzene	*0.542*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.5*	*70-130*			
Surrogate: Toluene-d8	*0.527*		*0.500*		*105*	*70-130*			
Matrix Spike Dup (2413040-MSD1)				**Source: E403235-04**					Prepared: 03/26/24 Analyzed: 03/28/24
Benzene	2.98	0.0250	2.50	ND	119	48-131	2.05	23	
Ethylbenzene	2.87	0.0250	2.50	ND	115	45-135	2.93	27	
Toluene	3.08	0.0250	2.50	ND	123	48-130	2.57	24	
o-Xylene	2.98	0.0250	2.50	ND	119	43-135	1.96	27	
p,m-Xylene	5.88	0.0500	5.00	ND	118	43-135	1.40	27	
Total Xylenes	8.87	0.0250	7.50	ND	118	43-135	1.59	27	
Surrogate: Bromofluorobenzene	*0.548*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.485*		*0.500*		*97.0*	*70-130*			
Surrogate: Toluene-d8	*0.535*		*0.500*		*107*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2413039-BLK1)									Prepared: 03/26/24 Analyzed: 03/28/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.540*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			
LCS (2413039-BS2)									Prepared: 03/26/24 Analyzed: 03/28/24
Gasoline Range Organics (C6-C10)	59.9	20.0	50.0		120	70-130			
Surrogate: Bromofluorobenzene	*0.531*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*96.0*	*70-130*			
Surrogate: Toluene-d8	*0.524*		*0.500*		*105*	*70-130*			
Matrix Spike (2413039-MS2)				**Source: E403235-24**					Prepared: 03/26/24 Analyzed: 03/28/24
Gasoline Range Organics (C6-C10)	56.4	20.0	50.0	ND	113	70-130			
Surrogate: Bromofluorobenzene	*0.542*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.485*		*0.500*		*97.0*	*70-130*			
Surrogate: Toluene-d8	*0.516*		*0.500*		*103*	*70-130*			
Matrix Spike Dup (2413039-MSD2)				**Source: E403235-24**					Prepared: 03/26/24 Analyzed: 03/28/24
Gasoline Range Organics (C6-C10)	55.2	20.0	50.0	ND	110	70-130	2.12	20	
Surrogate: Bromofluorobenzene	*0.528*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.8*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2413040-BLK1)									Prepared: 03/26/24 Analyzed: 03/28/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.549*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.461*		*0.500*		*92.1*	*70-130*			
Surrogate: Toluene-d8	*0.542*		*0.500*		*108*	*70-130*			
LCS (2413040-BS2)									Prepared: 03/26/24 Analyzed: 03/28/24
Gasoline Range Organics (C6-C10)	59.7	20.0	50.0		119	70-130			
Surrogate: Bromofluorobenzene	*0.556*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.5*	*70-130*			
Surrogate: Toluene-d8	*0.542*		*0.500*		*108*	*70-130*			
Matrix Spike (2413040-MS2)				**Source: E403235-04**					Prepared: 03/26/24 Analyzed: 03/28/24
Gasoline Range Organics (C6-C10)	57.8	20.0	50.0	ND	116	70-130			
Surrogate: Bromofluorobenzene	*0.553*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.8*	*70-130*			
Surrogate: Toluene-d8	*0.537*		*0.500*		*107*	*70-130*			
Matrix Spike Dup (2413040-MSD2)				**Source: E403235-04**					Prepared: 03/26/24 Analyzed: 03/28/24
Gasoline Range Organics (C6-C10)	58.6	20.0	50.0	ND	117	70-130	1.40	20	
Surrogate: Bromofluorobenzene	*0.567*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.6*	*70-130*			
Surrogate: Toluene-d8	*0.541*		*0.500*		*108*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2413086-BLK1)									Prepared: 03/28/24 Analyzed: 03/29/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*42.3*		*50.0*		*84.6*	*50-200*			
LCS (2413086-BS1)									Prepared: 03/28/24 Analyzed: 03/29/24
Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132			
Surrogate: n-Nonane	*40.6*		*50.0*		*81.2*	*50-200*			
Matrix Spike (2413086-MS1)				**Source: E403235-05**					Prepared: 03/28/24 Analyzed: 03/29/24
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.1	38-132			
Surrogate: n-Nonane	*44.0*		*50.0*		*88.0*	*50-200*			
Matrix Spike Dup (2413086-MSD1)				**Source: E403235-05**					Prepared: 03/28/24 Analyzed: 03/29/24
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.3	38-132	0.778	20	
Surrogate: n-Nonane	*43.2*		*50.0*		*86.4*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2413087-BLK1)									Prepared: 03/28/24 Analyzed: 03/29/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.0*		*50.0*		*104*	*50-200*			
LCS (2413087-BS1)									Prepared: 03/28/24 Analyzed: 03/29/24
Diesel Range Organics (C10-C28)	312	25.0	250		125	38-132			
Surrogate: n-Nonane	*52.0*		*50.0*		*104*	*50-200*			
Matrix Spike (2413087-MS1)				**Source: E403235-24**					Prepared: 03/28/24 Analyzed: 03/29/24
Diesel Range Organics (C10-C28)	304	25.0	250	ND	121	38-132			
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*50-200*			
Matrix Spike Dup (2413087-MSD1)				**Source: E403235-24**					Prepared: 03/28/24 Analyzed: 03/29/24
Diesel Range Organics (C10-C28)	288	25.0	250	ND	115	38-132	5.30	20	
Surrogate: n-Nonane	*52.9*		*50.0*		*106*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2413051-BLK1)									Prepared: 03/26/24 Analyzed: 03/26/24
Chloride	ND	20.0							
LCS (2413051-BS1)									Prepared: 03/26/24 Analyzed: 03/26/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2413051-MS1)				**Source: E403235-02**					Prepared: 03/26/24 Analyzed: 03/26/24
Chloride	5980	100	250	5310	266	80-120			M4
Matrix Spike Dup (2413051-MSD1)				**Source: E403235-02**					Prepared: 03/26/24 Analyzed: 03/26/24
Chloride	5670	100	250	5310	144	80-120	5.24	20	M4

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 4:50:58PM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2413056-BLK1)									Prepared: 03/26/24 Analyzed: 03/27/24
Chloride	ND	20.0							
LCS (2413056-BS1)									Prepared: 03/26/24 Analyzed: 03/27/24
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2413056-MS1)				**Source: E403235-23**					Prepared: 03/26/24 Analyzed: 03/27/24
Chloride	259	20.0	250	ND	104	80-120			
Matrix Spike Dup (2413056-MSD1)				**Source: E403235-23**					Prepared: 03/26/24 Analyzed: 03/27/24
Chloride	265	20.0	250	ND	106	80-120	2.12	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/01/24 16:50

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Project Information | Chain of Custody | Page __1__ of __4__

Client: WPX Energy Permian, LLC.	Bill To	Lab Use Only
Project: RDX FEDERAL COM 28 #009H	Attention: Jim Raley	Lab WO# E403236 Job Number 01058000
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.	
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220	
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502	
Phone: 832-541-7719	Email: jim.raley@dvn.com	
Email: Devon-team@etechenv.com	WO: 21308259	
	Incident ID: nAPP2406527330	
Collected by: Edyte Konan		

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
			5 day TAT		
					RCRA

State: NM (x) | CO | UT | AZ | TX |

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
9:00	03.21.24	S	1	BH01	1	0.5'								X				
9:05	03.21.24	S	1	BH01	2	2'								X				
9:20	03.21.24	S	1	BH02	3	0.5'								X				
9:25	03.21.24	S	1	BH02	4	2'								X				
9:40	03.21.24	S	1	BH03	5	0.5'								X				
9:45	03.21.24	S	1	BH03	6	2'								X				
10:00	03.21.24	S	1	BH04	7	0.5'								X				
10:05	03.21.24	S	1	BH04	8	2'								X				
10:20	03.21.24	S	1	BH05	9	0.5'								X				
10:25	03.21.24	S	1	BH05	10	2'								X				

Additional Instructions:

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: EK

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
[signature]	03/22/24	09:00	Michelle Gonzales	3-22-24	0900
Michelle Gonzales	3-22-24	1630	[signature]	3/25/24	1000
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) N
T1 _____ T2 _____ T3 _____
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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Project Information | Chain of Custody | Page __2__ of __4__

| | | |

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Project Information | Chain of Custody | Page __3__ of __4__

| | | |

Released to Imaging: 8/9/2024 9:18:13 AM

Received by OCD: 7/19/2024 2:27:05 PM

Project Information | Chain of Custody | Page __4__ of __4__

| | | |

Envirotech Analytical Laboratory

Printed: 3/26/2024 1:48:09PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	03/25/24 10:00	Work Order ID:	E403235
Phone:	(539) 573-4018	Date Logged In:	03/25/24 17:27	Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	04/01/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

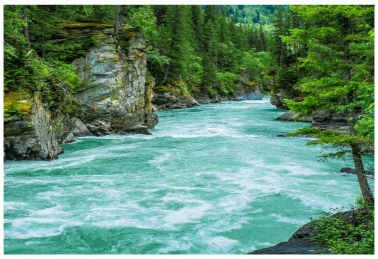
Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E406083
Job Number:	01058-0001
Received:	6/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/17/24

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

Date Reported: 6/17/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E406083
Date Received: 6/10/2024 12:15:00PM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/10/2024 12:15:00PM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

BH01 8’ 5

BH01 12’ 6

QC Summary Data 7

QC - Volatile Organics by EPA 8021B 7

QC - Nonhalogenated Organics by EPA 8015D - GRO 8

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 9

QC - Anions by EPA 300.0/9056A 10

Definitions and Notes 11

Chain of Custody etc. 12

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0001	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/17/24 11:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 8'	E406083-01A	Soil	06/05/24	06/10/24	Glass Jar, 2 oz.
BH01 12'	E406083-02A	Soil	06/05/24	06/10/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:28:47AM

BH01 8'

E406083-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2424049
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*06/11/24*	*06/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2424044
Chloride	**1210**	40.0	2	06/11/24	06/12/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:28:47AM

BH01 12'

E406083-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.3 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2424049
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*06/11/24*	*06/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2424044
Chloride	**5090**	200	10	06/11/24	06/12/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0001	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:28:47AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424013-BLK1)									Prepared: 06/10/24 Analyzed: 06/13/24
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	*7.38*		*8.00*		*92.3*	*70-130*			
LCS (2424013-BS1)									Prepared: 06/10/24 Analyzed: 06/13/24
Benzene	5.20	0.0250	5.00		104	70-130			
Ethylbenzene	5.00	0.0250	5.00		100	70-130			
Toluene	5.12	0.0250	5.00		102	70-130			
o-Xylene	5.00	0.0250	5.00		99.9	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.36*		*8.00*		*92.0*	*70-130*			
Matrix Spike (2424013-MS1)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Benzene	5.19	0.0250	5.00	ND	104	54-133			
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61-133			
Toluene	5.11	0.0250	5.00	ND	102	61-130			
o-Xylene	4.96	0.0250	5.00	ND	99.2	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.2*	*70-130*			
Matrix Spike Dup (2424013-MSD1)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Benzene	5.12	0.0250	5.00	ND	102	54-133	1.30	20	
Ethylbenzene	4.90	0.0250	5.00	ND	98.1	61-133	1.72	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	1.60	20	
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131	1.35	20	
p,m-Xylene	9.94	0.0500	10.0	ND	99.4	63-131	1.63	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131	1.54	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0001	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:28:47AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424013-BLK1)									Prepared: 06/10/24 Analyzed: 06/13/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.4*	*70-130*			
LCS (2424013-BS2)									Prepared: 06/10/24 Analyzed: 06/13/24
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.5*	*70-130*			
Matrix Spike (2424013-MS2)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.79*		*8.00*		*97.4*	*70-130*			
Matrix Spike Dup (2424013-MSD2)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	0.500	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.3*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0001	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:28:47AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424049-BLK1)									Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.9*		*50.0*		*116*	*50-200*			
LCS (2424049-BS1)									Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	306	25.0	250		123	38-132			
Surrogate: n-Nonane	*58.1*		*50.0*		*116*	*50-200*			
Matrix Spike (2424049-MS1)				**Source: E406073-24**					Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	297	25.0	250	ND	119	38-132			
Surrogate: n-Nonane	*56.2*		*50.0*		*112*	*50-200*			
Matrix Spike Dup (2424049-MSD1)				**Source: E406073-24**					Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	38-132	1.35	20	
Surrogate: n-Nonane	*55.9*		*50.0*		*112*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0001	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:28:47AM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424044-BLK1)									Prepared: 06/11/24 Analyzed: 06/11/24
Chloride	ND	20.0							
LCS (2424044-BS1)									Prepared: 06/11/24 Analyzed: 06/12/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2424044-MS1)				**Source: E406073-23**					Prepared: 06/11/24 Analyzed: 06/12/24
Chloride	380	20.0	250	127	101	80-120			
Matrix Spike Dup (2424044-MSD1)				**Source: E406073-23**					Prepared: 06/11/24 Analyzed: 06/12/24
Chloride	376	20.0	250	127	99.7	80-120	1.12	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/17/24 11:28

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC.	Bill To	Lab Use Only	TAT / EPA Program
Project: RDX FEDERAL COM 28 #009H	Attention: Jim Raley	Lab WO# E4060083	Job Number 01058.0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.	1D 2D 3D Standard: 5 day TAT	CWA / SDWA / RCRA
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WO: 21308259		
	Incident ID: nAPP2406527330		
Collected by: Edyte Konan			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
13:30	06.05.24	S	1	BH01	1	8'						X		
14:00	06.05.24	S	1	BH01	2	12'						X		

State: NM X | CO | UT | AZ | TX

06/07/24

Additional Instructions:

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: EK

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
[illegible]	06/07/24	1150	Michelle Gonzales	06-07-24	1100
Michelle Gonzales	06-07-24	1800	[signature]	6.7.24	1800
[signature]	6.8.24	200	Rena Lemmy	6/10/24	12:15

Lab Use Only
Received on ice: Y / N
T1 T2 T3
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

Envirotech Analytical Laboratory

Printed: 6/10/2024 1:30:02PM

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:	WPX Energy - Carlsbad	Date Received:	06/10/24 12:15	Work Order ID:	E406083
Phone:	(539) 573-4018	Date Logged In:	06/10/24 13:23	Logged In By:	Raina Schwanz
Email:	devon-team@etechenv.com	Due Date:	06/14/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

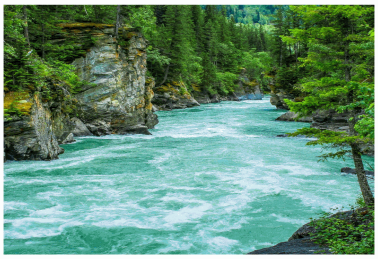
Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E403236
Job Number:	01058-0007
Received:	3/25/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/29/24

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

Date Reported: 3/29/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E403236
Date Received: 3/25/2024 10:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/25/2024 10:00:00AM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

BH01 4’ 6

BH02 4’ 7

BH03 4’ 8

BH04 4’ 9

BH05 4’ 10

BH06 4’ 11

BH07 4’ 12

BH08 4’ 13

BH09 4’ 14

BH10 4’ 15

BH11 4’ 16

BH12 4’ 17

BH13 4’ 18

BH14 4’ 19

BH15 4’ 20

BH16 4’ 21

BH17 4’ 22

BH18 4’ 23

BH19 4’ 24

BH20 4’ 25

Table of Contents (continued)

QC Summary Data 26

QC - Volatile Organic Compounds by EPA 8260B 26

QC - Nonhalogenated Organics by EPA 8015D - GRO 27

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 28

QC - Anions by EPA 300.0/9056A 29

Definitions and Notes 30

Chain of Custody etc. 31

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	03/29/24 13:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 4'	E403236-01A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH02 4'	E403236-02A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH03 4'	E403236-03A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH04 4'	E403236-04A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH05 4'	E403236-05A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH06 4'	E403236-06A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH07 4'	E403236-07A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH08 4'	E403236-08A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH09 4'	E403236-09A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH10 4'	E403236-10A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH11 4'	E403236-11A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH12 4'	E403236-12A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH13 4'	E403236-13A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH14 4'	E403236-14A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH15 4'	E403236-15A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH16 4'	E403236-16A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH17 4'	E403236-17A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH18 4'	E403236-18A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH19 4'	E403236-19A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
BH20 4'	E403236-20A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH01 4'

E403236-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	**0.0945**	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	**0.187**	0.0500	1	03/26/24	03/28/24	
Total Xylenes	**0.281**	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	**1590**	25.0	1	03/27/24	03/27/24	
Oil Range Organics (C28-C36)	**372**	50.0	1	03/27/24	03/27/24	
Surrogate: n-Nonane		*95.0 %*	*50-200*	*03/27/24*	*03/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	**7250**	100	5	03/27/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH02 4'

E403236-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/27/24	
Surrogate: n-Nonane		*97.4 %*	*50-200*	*03/27/24*	*03/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	**2090**	200	10	03/27/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH03 4'

E403236-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/27/24	
Surrogate: n-Nonane		*95.3 %*	*50-200*	*03/27/24*	*03/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	**2700**	200	10	03/27/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH04 4'

E403236-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*96.4 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*96.4 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/27/24	
Surrogate: n-Nonane		*94.3 %*	*50-200*	*03/27/24*	*03/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	**4010**	40.0	2	03/27/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH05 4'

E403236-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*96.3 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*96.3 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/28/24	
Surrogate: n-Nonane		*95.7 %*	*50-200*	*03/27/24*	*03/28/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	**643**	20.0	1	03/27/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH06 4'

E403236-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*96.9 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*96.9 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/28/24	
Surrogate: n-Nonane		*97.1 %*	*50-200*	*03/27/24*	*03/28/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	**61.2**	20.0	1	03/27/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH07 4'

E403236-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/28/24	
Surrogate: n-Nonane		*97.2 %*	*50-200*	*03/27/24*	*03/28/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	**72.2**	20.0	1	03/27/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH08 4'

E403236-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*84.2 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*84.2 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/28/24	
Surrogate: n-Nonane		*99.2 %*	*50-200*	*03/27/24*	*03/28/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	**65.5**	20.0	1	03/27/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH09 4'

E403236-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/28/24	
Surrogate: n-Nonane		*96.2 %*	*50-200*	*03/27/24*	*03/28/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	**157**	40.0	2	03/27/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH10 4'

E403236-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/28/24	
Surrogate: n-Nonane		*97.5 %*	*50-200*	*03/27/24*	*03/28/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	**176**	40.0	2	03/27/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH11 4'

E403236-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*96.5 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*96.5 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/28/24	
Surrogate: n-Nonane		*97.1 %*	*50-200*	*03/27/24*	*03/28/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	ND	20.0	1	03/27/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH12 4'

E403236-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*92.1 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*92.1 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/28/24	
Surrogate: n-Nonane		*99.4 %*	*50-200*	*03/27/24*	*03/28/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	**54.5**	20.0	1	03/27/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH13 4'

E403236-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/28/24	
Surrogate: n-Nonane		*95.4 %*	*50-200*	*03/27/24*	*03/28/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	**50.3**	20.0	1	03/27/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH14 4'

E403236-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*95.1 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*95.1 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/28/24	
Surrogate: n-Nonane		*98.3 %*	*50-200*	*03/27/24*	*03/28/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	**50.1**	20.0	1	03/27/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH15 4'

E403236-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*95.4 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*95.4 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/28/24	
Surrogate: n-Nonane		*99.4 %*	*50-200*	*03/27/24*	*03/28/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	**80.2**	20.0	1	03/27/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH16 4'

E403236-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*96.3 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*96.3 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/28/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*03/27/24*	*03/28/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	**91.2**	20.0	1	03/27/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH17 4'

E403236-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*94.7 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*94.7 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/28/24	
Surrogate: n-Nonane		*97.9 %*	*50-200*	*03/27/24*	*03/28/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	**153**	40.0	2	03/27/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH18 4'

E403236-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*96.3 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*96.3 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/28/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*03/27/24*	*03/28/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	**133**	40.0	2	03/27/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH19 4'

E403236-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/28/24	
Surrogate: n-Nonane		*99.0 %*	*50-200*	*03/27/24*	*03/28/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	**150**	40.0	2	03/27/24	03/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

BH20 4'

E403236-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	**0.0355**	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene	*98.0 %*	*70-130*		*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4	*99.9 %*	*70-130*		*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8	*103 %*	*70-130*		*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2413041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene	*98.0 %*	*70-130*		*03/26/24*	*03/28/24*	
Surrogate: 1,2-Dichloroethane-d4	*99.9 %*	*70-130*		*03/26/24*	*03/28/24*	
Surrogate: Toluene-d8	*103 %*	*70-130*		*03/26/24*	*03/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2413083
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/28/24	
Surrogate: n-Nonane	*98.9 %*	*50-200*		*03/27/24*	*03/28/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2413068
Chloride	**120**	40.0	2	03/27/24	03/27/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2413041-BLK1)									Prepared: 03/26/24 Analyzed: 03/28/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.473*		*0.500*		*94.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.510*		*0.500*		*102*	*70-130*			
LCS (2413041-BS1)									Prepared: 03/26/24 Analyzed: 03/28/24
Benzene	2.08	0.0250	2.50		83.2	70-130			
Ethylbenzene	2.18	0.0250	2.50		87.3	70-130			
Toluene	2.27	0.0250	2.50		90.6	70-130			
o-Xylene	2.32	0.0250	2.50		92.7	70-130			
p,m-Xylene	4.70	0.0500	5.00		94.1	70-130			
Total Xylenes	7.02	0.0250	7.50		93.6	70-130			
Surrogate: Bromofluorobenzene	*0.495*		*0.500*		*99.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.499*		*0.500*		*99.7*	*70-130*			
Matrix Spike (2413041-MS1)				**Source: E403236-04**					Prepared: 03/26/24 Analyzed: 03/28/24
Benzene	2.35	0.0250	2.50	ND	93.8	48-131			
Ethylbenzene	2.31	0.0250	2.50	ND	92.4	45-135			
Toluene	2.43	0.0250	2.50	ND	97.1	48-130			
o-Xylene	2.34	0.0250	2.50	ND	93.6	43-135			
p,m-Xylene	4.70	0.0500	5.00	ND	94.0	43-135			
Total Xylenes	7.04	0.0250	7.50	ND	93.8	43-135			
Surrogate: Bromofluorobenzene	*0.498*		*0.500*		*99.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.501*		*0.500*		*100*	*70-130*			
Matrix Spike Dup (2413041-MSD1)				**Source: E403236-04**					Prepared: 03/26/24 Analyzed: 03/28/24
Benzene	2.35	0.0250	2.50	ND	94.0	48-131	0.234	23	
Ethylbenzene	2.32	0.0250	2.50	ND	92.7	45-135	0.367	27	
Toluene	2.47	0.0250	2.50	ND	98.7	48-130	1.61	24	
o-Xylene	2.31	0.0250	2.50	ND	92.6	43-135	1.07	27	
p,m-Xylene	4.68	0.0500	5.00	ND	93.6	43-135	0.373	27	
Total Xylenes	6.99	0.0250	7.50	ND	93.3	43-135	0.606	27	
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.513*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2413041-BLK1)									Prepared: 03/26/24 Analyzed: 03/28/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.473*		*0.500*		*94.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.510*		*0.500*		*102*	*70-130*			
LCS (2413041-BS2)									Prepared: 03/26/24 Analyzed: 03/28/24
Gasoline Range Organics (C6-C10)	43.9	20.0	50.0		87.9	70-130			
Surrogate: Bromofluorobenzene	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			
Matrix Spike (2413041-MS2)				**Source: E403236-04**					Prepared: 03/26/24 Analyzed: 03/28/24
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.5	70-130			
Surrogate: Bromofluorobenzene	*0.497*		*0.500*		*99.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			
Matrix Spike Dup (2413041-MSD2)				**Source: E403236-04**					Prepared: 03/26/24 Analyzed: 03/28/24
Gasoline Range Organics (C6-C10)	39.0	20.0	50.0	ND	77.9	70-130	10.4	20	
Surrogate: Bromofluorobenzene	*0.469*		*0.500*		*93.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.471*		*0.500*		*94.1*	*70-130*			
Surrogate: Toluene-d8	*0.508*		*0.500*		*102*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2413083-BLK1)									Prepared: 03/27/24 Analyzed: 03/27/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.0*		*50.0*		*98.0*	*50-200*			
LCS (2413083-BS1)									Prepared: 03/27/24 Analyzed: 03/27/24
Diesel Range Organics (C10-C28)	293	25.0	250		117	38-132			
Surrogate: n-Nonane	*49.0*		*50.0*		*98.1*	*50-200*			
Matrix Spike (2413083-MS1)				**Source: E403236-02**					Prepared: 03/27/24 Analyzed: 03/27/24
Diesel Range Organics (C10-C28)	302	25.0	250	ND	121	38-132			
Surrogate: n-Nonane	*48.2*		*50.0*		*96.3*	*50-200*			
Matrix Spike Dup (2413083-MSD1)				**Source: E403236-02**					Prepared: 03/27/24 Analyzed: 03/27/24
Diesel Range Organics (C10-C28)	305	25.0	250	ND	122	38-132	0.919	20	
Surrogate: n-Nonane	*48.9*		*50.0*		*97.7*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:52:16PM

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 (2413068-BLK1)									Prepared: 03/27/24 Analyzed: 03/27/24
Chloride	ND	20.0							
LCS (2413068-BS1)									Prepared: 03/27/24 Analyzed: 03/27/24
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2413068-MS1)				**Source: E403236-06**					Prepared: 03/27/24 Analyzed: 03/27/24
Chloride	316	20.0	250	61.2	102	80-120			
Matrix Spike Dup (2413068-MSD1)				**Source: E403236-06**					Prepared: 03/27/24 Analyzed: 03/27/24
Chloride	320	20.0	250	61.2	103	80-120	1.24	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	03/29/24 13:52

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Project Information | Chain of Custody | Page __1__ of __2__

| | | |

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Project Information | Chain of Custody | Page __2__ of __2__

| | | |

Envirotech Analytical Laboratory

Printed: 3/26/2024 1:57:04PM

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:	WPX Energy - Carlsbad	Date Received:	03/25/24 10:00	Work Order ID:	E403236
Phone:	(539) 573-4018	Date Logged In:	03/25/24 17:35	Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	03/29/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

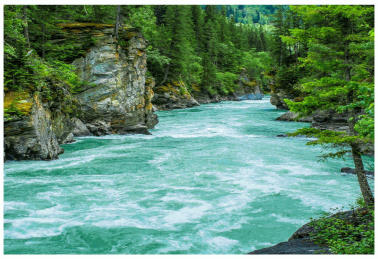
Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E406082
Job Number:	01058-0007
Received:	6/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/17/24

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

Date Reported: 6/17/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E406082
Date Received: 6/10/2024 12:15:00PM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/10/2024 12:15:00PM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Cell: 775-287-1762
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH21 0.5’ 5
- BH21 4’ 6
- BH21 8’ 7
- BH21 12’ 8

QC Summary Data 9

- QC - Volatile Organics by EPA 8021B 9
- QC - Nonhalogenated Organics by EPA 8015D - GRO 10
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 11
- QC - Anions by EPA 300.0/9056A 12

Definitions and Notes 13

Chain of Custody etc. 14

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/17/24 16:12

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH21 0.5'	E406082-01A	Soil	06/05/24	06/10/24	Glass Jar, 2 oz.
BH21 4'	E406082-02A	Soil	06/05/24	06/10/24	Glass Jar, 2 oz.
BH21 8'	E406082-03A	Soil	06/05/24	06/10/24	Glass Jar, 2 oz.
BH21 12'	E406082-04A	Soil	06/05/24	06/10/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 4:12:00PM

BH21 0.5'

E406082-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.8 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424050
Diesel Range Organics (C10-C28)	**2190**	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	**878**	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*06/11/24*	*06/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2424044
Chloride	**6810**	200	10	06/11/24	06/12/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 4:12:00PM

BH21 4'

E406082-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	**0.0880**	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	**0.102**	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	**0.434**	0.0500	1	06/10/24	06/14/24	
Total Xylenes	**0.536**	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.4 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Gasoline Range Organics (C6-C10)	**23.5**	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424050
Diesel Range Organics (C10-C28)	**1040**	25.0	1	06/11/24	06/17/24	
Oil Range Organics (C28-C36)	**340**	50.0	1	06/11/24	06/17/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*06/11/24*	*06/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2424044
Chloride	**3340**	40.0	2	06/11/24	06/12/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 4:12:00PM

BH21 8'

E406082-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	**0.108**	0.0250	1	06/10/24	06/14/24	
Toluene	**0.0337**	0.0250	1	06/10/24	06/14/24	
o-Xylene	**0.203**	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	**0.740**	0.0500	1	06/10/24	06/14/24	
Total Xylenes	**0.944**	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.7 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Gasoline Range Organics (C6-C10)	**37.1**	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*104 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424050
Diesel Range Organics (C10-C28)	**590**	25.0	1	06/11/24	06/17/24	
Oil Range Organics (C28-C36)	**189**	50.0	1	06/11/24	06/17/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*06/11/24*	*06/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2424044
Chloride	**2330**	200	10	06/11/24	06/12/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 4:12:00PM

BH21 12'

E406082-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	**0.0609**	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	**0.151**	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	**0.532**	0.0500	1	06/10/24	06/14/24	
Total Xylenes	**0.684**	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.5 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Gasoline Range Organics (C6-C10)	**29.1**	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424050
Diesel Range Organics (C10-C28)	**785**	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	**389**	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*06/11/24*	*06/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2424044
Chloride	**1850**	40.0	2	06/11/24	06/12/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 4:12:00PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424013-BLK1)									Prepared: 06/10/24 Analyzed: 06/13/24
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	*7.38*		*8.00*		*92.3*	*70-130*			
LCS (2424013-BS1)									Prepared: 06/10/24 Analyzed: 06/13/24
Benzene	5.20	0.0250	5.00		104	70-130			
Ethylbenzene	5.00	0.0250	5.00		100	70-130			
Toluene	5.12	0.0250	5.00		102	70-130			
o-Xylene	5.00	0.0250	5.00		99.9	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.36*		*8.00*		*92.0*	*70-130*			
Matrix Spike (2424013-MS1)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Benzene	5.19	0.0250	5.00	ND	104	54-133			
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61-133			
Toluene	5.11	0.0250	5.00	ND	102	61-130			
o-Xylene	4.96	0.0250	5.00	ND	99.2	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.2*	*70-130*			
Matrix Spike Dup (2424013-MSD1)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Benzene	5.12	0.0250	5.00	ND	102	54-133	1.30	20	
Ethylbenzene	4.90	0.0250	5.00	ND	98.1	61-133	1.72	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	1.60	20	
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131	1.35	20	
p,m-Xylene	9.94	0.0500	10.0	ND	99.4	63-131	1.63	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131	1.54	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 4:12:00PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424013-BLK1)									Prepared: 06/10/24 Analyzed: 06/13/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.4*	*70-130*			
LCS (2424013-BS2)									Prepared: 06/10/24 Analyzed: 06/13/24
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.5*	*70-130*			
Matrix Spike (2424013-MS2)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.79*		*8.00*		*97.4*	*70-130*			
Matrix Spike Dup (2424013-MSD2)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	0.500	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.3*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 4:12:00PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424050-BLK1)									Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*60.4*		*50.0*		*121*	*50-200*			
LCS (2424050-BS1)									Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	330	25.0	250		132	38-132			
Surrogate: n-Nonane	*60.3*		*50.0*		*121*	*50-200*			
Matrix Spike (2424050-MS1)				**Source: E406085-02**					Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	328	25.0	250	ND	131	38-132			
Surrogate: n-Nonane	*57.9*		*50.0*		*116*	*50-200*			
Matrix Spike Dup (2424050-MSD1)				**Source: E406085-02**					Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	331	25.0	250	ND	132	38-132	0.851	20	
Surrogate: n-Nonane	*58.1*		*50.0*		*116*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 4:12:00PM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424044-BLK1)									Prepared: 06/11/24 Analyzed: 06/11/24
Chloride	ND	20.0							
LCS (2424044-BS1)									Prepared: 06/11/24 Analyzed: 06/12/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2424044-MS1)				**Source: E406073-23**					Prepared: 06/11/24 Analyzed: 06/12/24
Chloride	380	20.0	250	127	101	80-120			
Matrix Spike Dup (2424044-MSD1)				**Source: E406073-23**					Prepared: 06/11/24 Analyzed: 06/12/24
Chloride	376	20.0	250	127	99.7	80-120	1.12	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/17/24 16:12

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Project Information

Chain of Custody

Page 1 of 1

Client: WPX Energy Permian, LLC.	
Project: RDX FEDERAL COM 28 #009H	
Project Manager: Gilbert Moreno	
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	
Phone: 832-541-7719	
Email: Devon-team@etechenv.com	
Collected by: Edyte Konan	

Bill To

Attention: Jim Raley
Address: 5315 Buena Vista Dr.
City, State, Zip: Carlsbad, NM, 88220
Phone: 575-885-7502
Email: jim.raley@dvn.com
WO: 21308259
Incident ID: nAPP2406527330

Lab Use Only

Lab WO# E406082 Job Number 01058007

TAT: 1D | 2D | 3D | Standard (5 day TAT)

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	NM	Remarks
11:00	06.05.24	S	1	BH21	1	0.5'						X		X	
11:30	06.05.24	S	1	BH21	2	4'						X			
12:00	06.05.24	S	1	BH21	3	8'						X			
12:30	06.05.24	S	1	BH21	4	12'						X			

06107/24

Additional Instructions:

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: EK

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
[signature]	06107/24	1130	Michelle Gonzales	06-07-24	1100
Michelle Gonzales	06-07-24	1800	[signature]	6.7.24	1800
[signature]	6.8.24	700	[signature]	6/10/24	12:15

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

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

Page 247 of 597

Envirotech Analytical Laboratory

Printed: 6/10/2024 1:20:43PM

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:	WPX Energy - Carlsbad	Date Received:	06/10/24 12:15	Work Order ID:	E406082
Phone:	(539) 573-4018	Date Logged In:	06/10/24 13:17	Logged In By:	Raina Schwanz
Email:	devon-team@etechenv.com	Due Date:	06/14/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

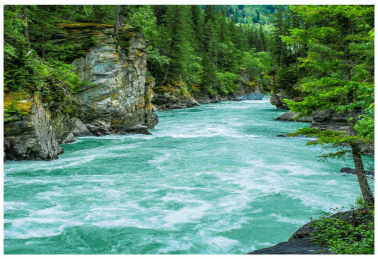
Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E406077
Job Number:	01058-0007
Received:	6/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/17/24

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

Date Reported: 6/17/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E406077
Date Received: 6/10/2024 12:15:00PM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/10/2024 12:15:00PM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH22 0.5’ 5
- BH22 4’ 6
- BH22 8’ 7

QC Summary Data 8

- QC - Volatile Organics by EPA 8021B 8
- QC - Nonhalogenated Organics by EPA 8015D - GRO 9
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 10
- QC - Anions by EPA 300.0/9056A 11

Definitions and Notes 12

Chain of Custody etc. 13

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/17/24 11:21

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH22 0.5'	E406077-01A	Soil	06/05/24	06/10/24	Glass Jar, 2 oz.
BH22 4'	E406077-02A	Soil	06/05/24	06/10/24	Glass Jar, 2 oz.
BH22 8'	E406077-03A	Soil	06/05/24	06/10/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:21:29AM

BH22 0.5'

E406077-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.5 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2424037
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		*83.3 %*	*50-200*	*06/11/24*	*06/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2424024
Chloride	**3450**	200	10	06/10/24	06/12/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:21:29AM

BH22 4'

E406077-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2424037
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*06/11/24*	*06/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2424024
Chloride	**9140**	400	20	06/10/24	06/12/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:21:29AM

BH22 8'

E406077-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2424037
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*06/11/24*	*06/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2424024
Chloride	**1170**	100	5	06/10/24	06/12/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:21:29AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424013-BLK1)									Prepared: 06/10/24 Analyzed: 06/13/24
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	*7.38*		*8.00*		*92.3*	*70-130*			
LCS (2424013-BS1)									Prepared: 06/10/24 Analyzed: 06/13/24
Benzene	5.20	0.0250	5.00		104	70-130			
Ethylbenzene	5.00	0.0250	5.00		100	70-130			
Toluene	5.12	0.0250	5.00		102	70-130			
o-Xylene	5.00	0.0250	5.00		99.9	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.36*		*8.00*		*92.0*	*70-130*			
Matrix Spike (2424013-MS1)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Benzene	5.19	0.0250	5.00	ND	104	54-133			
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61-133			
Toluene	5.11	0.0250	5.00	ND	102	61-130			
o-Xylene	4.96	0.0250	5.00	ND	99.2	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.2*	*70-130*			
Matrix Spike Dup (2424013-MSD1)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Benzene	5.12	0.0250	5.00	ND	102	54-133	1.30	20	
Ethylbenzene	4.90	0.0250	5.00	ND	98.1	61-133	1.72	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	1.60	20	
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131	1.35	20	
p,m-Xylene	9.94	0.0500	10.0	ND	99.4	63-131	1.63	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131	1.54	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:21:29AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424013-BLK1)									Prepared: 06/10/24 Analyzed: 06/13/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.4*	*70-130*			
LCS (2424013-BS2)									Prepared: 06/10/24 Analyzed: 06/13/24
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.5*	*70-130*			
Matrix Spike (2424013-MS2)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.79*		*8.00*		*97.4*	*70-130*			
Matrix Spike Dup (2424013-MSD2)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	0.500	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.3*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:21:29AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424037-BLK1)									Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.2*		*50.0*		*102*	*50-200*			
LCS (2424037-BS1)									Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	285	25.0	250		114	38-132			
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*50-200*			
Matrix Spike (2424037-MS1)				**Source: E406051-09**					Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	337	25.0	250	59.1	111	38-132			
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*50-200*			
Matrix Spike Dup (2424037-MSD1)				**Source: E406051-09**					Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	351	25.0	250	59.1	117	38-132	3.96	20	
Surrogate: n-Nonane	*52.3*		*50.0*		*105*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:21:29AM

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 (2424024-BLK1)									Prepared: 06/10/24 Analyzed: 06/12/24
Chloride	ND	20.0							
LCS (2424024-BS1)									Prepared: 06/10/24 Analyzed: 06/12/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2424024-MS1)				**Source: E406065-25**					Prepared: 06/10/24 Analyzed: 06/12/24
Chloride	274	100	250	ND	109	80-120			
Matrix Spike Dup (2424024-MSD1)				**Source: E406065-25**					Prepared: 06/10/24 Analyzed: 06/12/24
Chloride	273	100	250	ND	109	80-120	0.320	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/17/24 11:21

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC.	
Project: RDX FEDERAL COM 28 #009H	
Project Manager: Gilbert Moreno	
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	
Phone: 832-541-7719	
Email: Devon-team@etechenv.com	
Collected by: Edyte Konan	

Bill To	
Attention: Jim Raley	
Address: 5315 Buena Vista Dr.	
City, State, Zip: Carlsbad, NM, 88220	
Phone: 575-885-7502	
Email: jim.raley@dvn.com	
WO: 21308259	
Incident ID: nAPP2406527330	

Lab Use Only	
Lab WO#	Job Number
E 406077	01058-0007

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
			5 day TAT		

RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
14:30	06.05.24	S	1	BH22	1	0.5'						X		
15:00	06.05.24	S	1	BH22	2	4'						X		
15:30	06.05.24	S	1	BH22	3	8'						X		

06/07/24

Additional Instructions:

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: EK

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
[signature]	06/07/24	11:00	Michelle Gonzales	06-07-24	1100
Michelle Gonzales	06-07-24	1800	[signature]	6.7.24	1800
[signature]	6.8.24	0620	Rana Lemmons	6/10/24	12:15

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
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

Page 261 of 597

Envirotech Analytical Laboratory

Printed: 6/10/2024 12:34:44PM

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:	WPX Energy - Carlsbad	Date Received:	06/10/24 12:15	Work Order ID:	E406077
Phone:	(539) 573-4018	Date Logged In:	06/10/24 12:21	Logged In By:	Raina Schwanz
Email:	devon-team@etechenv.com	Due Date:	06/14/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

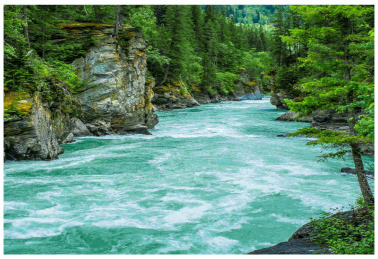
Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E403089
Job Number:	01058-0007
Received:	3/9/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/18/24

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

Date Reported: 3/18/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E403089
Date Received: 3/9/2024 9:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/9/2024 9:00:00AM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS01 0.25’ 6

FS02 0.25’ 7

FS03 0.25’ 8

FS04 0.25’ 9

FS05 0.25’ 10

FS06 0.25’ 11

FS07 0.25’ 12

FS08 0.25’ 13

FS09 0.25’ 14

FS10 0.25’ 15

FS11 0.25’ 16

FS12 0.25’ 17

FS13 0.25’ 18

FS14 0.25’ 19

FS15 0.25’ 20

FS16 0.25’ 21

FS17 0.25’ 22

FS18 0.25’ 23

FS19 0.25’ 24

FS20 0.25’ 25

Table of Contents (continued)

FS21 0.25’ 26

FS22 0.25’ 27

FS23 0.25’ 28

FS24 0.25’ 29

FS25 0.25’ 30

QC Summary Data 31

QC - Volatile Organic Compounds by EPA 8260B 31

QC - Nonhalogenated Organics by EPA 8015D - GRO 33

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 35

QC - Anions by EPA 300.0/9056A 37

Definitions and Notes 39

Chain of Custody etc. 40

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	03/18/24 12:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 0.25'	E403089-01A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS02 0.25'	E403089-02A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS03 0.25'	E403089-03A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS04 0.25'	E403089-04A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS05 0.25'	E403089-05A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS06 0.25'	E403089-06A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS07 0.25'	E403089-07A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS08 0.25'	E403089-08A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS09 0.25'	E403089-09A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS10 0.25'	E403089-10A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS11 0.25'	E403089-11A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS12 0.25'	E403089-12A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS13 0.25'	E403089-13A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS14 0.25'	E403089-14A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS15 0.25'	E403089-15A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS16 0.25'	E403089-16A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS17 0.25'	E403089-17A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS18 0.25'	E403089-18A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS19 0.25'	E403089-19A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS20 0.25'	E403089-20A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS21 0.25'	E403089-21A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS22 0.25'	E403089-22A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS23 0.25'	E403089-23A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS24 0.25'	E403089-24A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.
FS25 0.25'	E403089-25A	Soil	03/07/24	03/09/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS01 0.25'

E403089-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/15/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*03/13/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2411098
Chloride	**1410**	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS02 0.25'

E403089-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	**447**	25.0	1	03/13/24	03/15/24	
Oil Range Organics (C28-C36)	**334**	50.0	1	03/13/24	03/15/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*03/13/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2411098
Chloride	**1410**	200	10	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS03 0.25'

E403089-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	**3280**	25.0	1	03/13/24	03/15/24	
Oil Range Organics (C28-C36)	**2460**	50.0	1	03/13/24	03/15/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*03/13/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2411098
Chloride	**1360**	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS04 0.25'

E403089-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*123 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*123 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	**577**	25.0	1	03/13/24	03/18/24	
Oil Range Organics (C28-C36)	**322**	50.0	1	03/13/24	03/18/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*03/13/24*	*03/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2411098
Chloride	**139**	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS05 0.25'

E403089-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/15/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*03/13/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2411098
Chloride	ND	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS06 0.25'

E403089-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/15/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*03/13/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2411098
Chloride	ND	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS07 0.25'

E403089-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/15/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*03/13/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2411098
Chloride	**103**	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS08 0.25'

E403089-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	**82.2**	25.0	1	03/13/24	03/15/24	
Oil Range Organics (C28-C36)	**72.7**	50.0	1	03/13/24	03/15/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*03/13/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2411098
Chloride	**159**	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS09 0.25'

E403089-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	**32.3**	25.0	1	03/13/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/15/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*03/13/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2411098
Chloride	**2640**	200	10	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS10 0.25'

E403089-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/15/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*03/13/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411098
Chloride	**384**	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS11 0.25'

E403089-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/15/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*03/13/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411098
Chloride	**1010**	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS12 0.25'

E403089-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*82.1 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*82.1 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	**114**	25.0	1	03/13/24	03/15/24	
Oil Range Organics (C28-C36)	**93.7**	50.0	1	03/13/24	03/15/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*03/13/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411098
Chloride	**1270**	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS13 0.25'

E403089-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.8 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.8 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	**89.6**	25.0	1	03/13/24	03/15/24	
Oil Range Organics (C28-C36)	**119**	50.0	1	03/13/24	03/15/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*03/13/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411098
Chloride	**1580**	200	10	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS14 0.25'

E403089-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	**70.0**	25.0	1	03/13/24	03/15/24	
Oil Range Organics (C28-C36)	**72.9**	50.0	1	03/13/24	03/15/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*03/13/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411098
Chloride	**787**	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS15 0.25'

E403089-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*79.3 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*79.3 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	**104**	25.0	1	03/13/24	03/15/24	
Oil Range Organics (C28-C36)	**78.0**	50.0	1	03/13/24	03/15/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*03/13/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411098
Chloride	**2450**	200	10	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS16 0.25'

E403089-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/15/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*03/13/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411098
Chloride	**261**	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS17 0.25'

E403089-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*84.9 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*84.9 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	**122**	25.0	1	03/13/24	03/15/24	
Oil Range Organics (C28-C36)	**111**	50.0	1	03/13/24	03/15/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*03/13/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411098
Chloride	**523**	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS18 0.25'

E403089-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	**4890**	25.0	1	03/13/24	03/15/24	
Oil Range Organics (C28-C36)	**1930**	50.0	1	03/13/24	03/15/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*03/13/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411098
Chloride	**1300**	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS19 0.25'

E403089-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	**168**	25.0	1	03/13/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/18/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*03/13/24*	*03/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411098
Chloride	**502**	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS20 0.25'

E403089-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411070
Diesel Range Organics (C10-C28)	**439**	25.0	1	03/13/24	03/15/24	
Oil Range Organics (C28-C36)	**284**	50.0	1	03/13/24	03/15/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*03/13/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411098
Chloride	ND	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS21 0.25'

E403089-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411012
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*98.9 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*98.9 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411063
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/15/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*03/12/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2411099
Chloride	**105**	40.0	2	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS22 0.25'

E403089-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411012
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*94.3 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*94.3 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411063
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/15/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*03/12/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2411099
Chloride	**1380**	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS23 0.25'

E403089-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411012
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*99.2 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*99.2 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411063
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/15/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*03/12/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2411099
Chloride	**464**	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS24 0.25'

E403089-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411012
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*88.7 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*88.7 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411063
Diesel Range Organics (C10-C28)	**56.0**	25.0	1	03/12/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/15/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*03/12/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2411099
Chloride	**546**	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

FS25 0.25'

E403089-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2411012
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2411012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/10/24*	*03/13/24*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*03/10/24*	*03/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411063
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/15/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*03/12/24*	*03/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2411099
Chloride	**266**	100	5	03/14/24	03/15/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2411010-BLK1)									Prepared: 03/10/24 Analyzed: 03/13/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			
LCS (2411010-BS1)									Prepared: 03/10/24 Analyzed: 03/13/24
Benzene	2.51	0.0250	2.50		100	70-130			
Ethylbenzene	2.50	0.0250	2.50		100	70-130			
Toluene	2.42	0.0250	2.50		96.7	70-130			
o-Xylene	2.39	0.0250	2.50		95.6	70-130			
p,m-Xylene	4.79	0.0500	5.00		95.7	70-130			
Total Xylenes	7.18	0.0250	7.50		95.7	70-130			
Surrogate: Bromofluorobenzene	*0.497*		*0.500*		*99.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.497*		*0.500*		*99.4*	*70-130*			
Surrogate: Toluene-d8	*0.506*		*0.500*		*101*	*70-130*			
LCS Dup (2411010-BSD1)									Prepared: 03/10/24 Analyzed: 03/13/24
Benzene	2.38	0.0250	2.50		95.2	70-130	5.30	23	
Ethylbenzene	2.43	0.0250	2.50		97.0	70-130	3.12	27	
Toluene	2.32	0.0250	2.50		92.9	70-130	4.01	24	
o-Xylene	2.44	0.0250	2.50		97.6	70-130	2.05	27	
p,m-Xylene	4.90	0.0500	5.00		98.1	70-130	2.41	27	
Total Xylenes	7.35	0.0250	7.50		97.9	70-130	2.29	27	
Surrogate: Bromofluorobenzene	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.8*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2411012-BLK1)									Prepared: 03/10/24 Analyzed: 03/13/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.483*		*0.500*		*96.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.4*	*70-130*			
Surrogate: Toluene-d8	*0.473*		*0.500*		*94.5*	*70-130*			
LCS (2411012-BS1)									Prepared: 03/10/24 Analyzed: 03/13/24
Benzene	2.76	0.0250	2.50		110	70-130			
Ethylbenzene	2.53	0.0250	2.50		101	70-130			
Toluene	2.60	0.0250	2.50		104	70-130			
o-Xylene	2.37	0.0250	2.50		94.9	70-130			
p,m-Xylene	4.85	0.0500	5.00		97.0	70-130			
Total Xylenes	7.23	0.0250	7.50		96.3	70-130			
Surrogate: Bromofluorobenzene	*0.466*		*0.500*		*93.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.501*		*0.500*		*100*	*70-130*			
LCS Dup (2411012-BSD1)									Prepared: 03/10/24 Analyzed: 03/13/24
Benzene	2.67	0.0250	2.50		107	70-130	3.34	23	
Ethylbenzene	2.55	0.0250	2.50		102	70-130	0.944	27	
Toluene	2.56	0.0250	2.50		102	70-130	1.73	24	
o-Xylene	2.61	0.0250	2.50		104	70-130	9.38	27	
p,m-Xylene	5.26	0.0500	5.00		105	70-130	8.03	27	
Total Xylenes	7.87	0.0250	7.50		105	70-130	8.48	27	
Surrogate: Bromofluorobenzene	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.477*		*0.500*		*95.3*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2411010-BLK1)									Prepared: 03/10/24 Analyzed: 03/13/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			
LCS (2411010-BS2)									Prepared: 03/10/24 Analyzed: 03/13/24
Gasoline Range Organics (C6-C10)	57.7	20.0	50.0		115	70-130			
Surrogate: Bromofluorobenzene	*0.528*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
LCS Dup (2411010-BSD2)									Prepared: 03/10/24 Analyzed: 03/13/24
Gasoline Range Organics (C6-C10)	58.3	20.0	50.0		117	70-130	1.07	20	
Surrogate: Bromofluorobenzene	*0.540*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.3*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2411012-BLK1)									Prepared: 03/10/24 Analyzed: 03/13/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.483*		*0.500*		*96.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.4*	*70-130*			
Surrogate: Toluene-d8	*0.473*		*0.500*		*94.5*	*70-130*			
LCS (2411012-BS2)									Prepared: 03/10/24 Analyzed: 03/13/24
Gasoline Range Organics (C6-C10)	61.1	20.0	50.0		122	70-130			
Surrogate: Bromofluorobenzene	*0.532*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.517*		*0.500*		*103*	*70-130*			
LCS Dup (2411012-BSD2)									Prepared: 03/10/24 Analyzed: 03/13/24
Gasoline Range Organics (C6-C10)	56.9	20.0	50.0		114	70-130	7.18	20	
Surrogate: Bromofluorobenzene	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.8*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2411063-BLK1)									Prepared: 03/12/24 Analyzed: 03/15/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.9*		*50.0*		*114*	*50-200*			
LCS (2411063-BS1)									Prepared: 03/12/24 Analyzed: 03/15/24
Diesel Range Organics (C10-C28)	291	25.0	250		117	38-132			
Surrogate: n-Nonane	*53.5*		*50.0*		*107*	*50-200*			
LCS Dup (2411063-BSD1)									Prepared: 03/12/24 Analyzed: 03/15/24
Diesel Range Organics (C10-C28)	288	25.0	250		115	38-132	1.23	20	
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2411070-BLK1)									Prepared: 03/13/24 Analyzed: 03/15/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.4*		*50.0*		*111*	*50-200*			
LCS (2411070-BS1)									Prepared: 03/13/24 Analyzed: 03/15/24
Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132			
Surrogate: n-Nonane	*56.3*		*50.0*		*113*	*50-200*			
LCS Dup (2411070-BSD1)									Prepared: 03/13/24 Analyzed: 03/15/24
Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132	3.66	20	
Surrogate: n-Nonane	*54.0*		*50.0*		*108*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

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 (2411098-BLK1)									Prepared: 03/14/24 Analyzed: 03/15/24
Chloride	ND	20.0							
LCS (2411098-BS1)									Prepared: 03/14/24 Analyzed: 03/15/24
Chloride	253	20.0	250		101	90-110			
LCS Dup (2411098-BSD1)									Prepared: 03/14/24 Analyzed: 03/15/24
Chloride	253	20.0	250		101	90-110	0.243	20	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:58:36PM

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 (2411099-BLK1)									Prepared: 03/14/24 Analyzed: 03/15/24
Chloride	ND	20.0							
LCS (2411099-BS1)									Prepared: 03/14/24 Analyzed: 03/15/24
Chloride	248	20.0	250		99.1	90-110			
LCS Dup (2411099-BSD1)									Prepared: 03/14/24 Analyzed: 03/15/24
Chloride	248	20.0	250		99.1	90-110	0.0327	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	03/18/24 12:58

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Project Information | Chain of Custody | Page 1 of 3

| | | |

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Project Information | Chain of Custody | Page 2 of 3

| | | |

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Project Information | Chain of Custody | Page 3 of 3

Client: WPX Energy Permian, LLC.	**Bill To**	Lab Use Only	TAT / EPA Program
Project: RDX FEDERAL COM 28 #009H	Attention: Jim Raley	Lab WO# E403089 / Job Number 01058-0007	1D 2D 3D Standard: 5 day TAT; CWA; SDWA
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220	Analysis and Method	RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		
Phone: 832-541-7719	Email: jim.raley@dvn.com		State: NM x; CO; UT; AZ; TX
Email: Devon-team@etechenv.com	WO: 21181898		
	Incident ID: nAB1632648516		
Collected by: Edyte Konan			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
13:20	03.07.24	S	1	FS21	21	0.25'								x				
13:30	03.07.24	S	1	FS22	22	0.25'								x				
13:40	03.07.24	S	1	FS23	23	0.25'								x				
13:50	03.07.24	S	1	FS24	24	0.25'								x				
14:00	03.07.24	S	1	FS25	25	0.25'								x				

03/08/2024

Additional Instructions:

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: EK

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
	03/08/24	12:00		3-8-24	1200
	3-8-24	1745		3-8-24	1745
	3-8-24	2400		3/9/24	0:10

Lab Use Only
Received on ice: Y / N
T1 T2 T3
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

Envirotech Analytical Laboratory

Printed: 3/11/2024 4:53:03PM

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:	WPX Energy - Carlsbad	Date Received:	03/09/24 09:00	Work Order ID:	E403089
Phone:	(539) 573-4018	Date Logged In:	03/08/24 17:24	Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	03/15/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

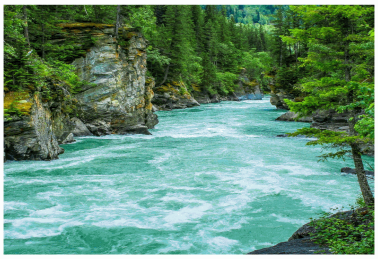
Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E406078
Job Number:	01058-0007
Received:	6/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/17/24

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

Date Reported: 6/17/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E406078
Date Received: 6/10/2024 12:15:00PM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/10/2024 12:15:00PM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

FS03A 0.5’ 5

QC Summary Data 6

QC - Volatile Organics by EPA 8021B 6

QC - Nonhalogenated Organics by EPA 8015D - GRO 7

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 8

QC - Anions by EPA 300.0/9056A 9

Definitions and Notes 10

Chain of Custody etc. 11

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/17/24 11:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS03A 0.5'	E406078-01A	Soil	06/05/24	06/10/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:23:13AM

FS03A 0.5'

E406078-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2424037
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*06/11/24*	*06/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2424024
Chloride	**1370**	200	10	06/10/24	06/12/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:23:13AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424013-BLK1)									Prepared: 06/10/24 Analyzed: 06/13/24
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	*7.38*		*8.00*		*92.3*	*70-130*			
LCS (2424013-BS1)									Prepared: 06/10/24 Analyzed: 06/13/24
Benzene	5.20	0.0250	5.00		104	70-130			
Ethylbenzene	5.00	0.0250	5.00		100	70-130			
Toluene	5.12	0.0250	5.00		102	70-130			
o-Xylene	5.00	0.0250	5.00		99.9	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.36*		*8.00*		*92.0*	*70-130*			
Matrix Spike (2424013-MS1)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Benzene	5.19	0.0250	5.00	ND	104	54-133			
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61-133			
Toluene	5.11	0.0250	5.00	ND	102	61-130			
o-Xylene	4.96	0.0250	5.00	ND	99.2	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.2*	*70-130*			
Matrix Spike Dup (2424013-MSD1)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Benzene	5.12	0.0250	5.00	ND	102	54-133	1.30	20	
Ethylbenzene	4.90	0.0250	5.00	ND	98.1	61-133	1.72	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	1.60	20	
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131	1.35	20	
p,m-Xylene	9.94	0.0500	10.0	ND	99.4	63-131	1.63	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131	1.54	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:23:13AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424013-BLK1)									Prepared: 06/10/24 Analyzed: 06/13/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.4*	*70-130*			
LCS (2424013-BS2)									Prepared: 06/10/24 Analyzed: 06/13/24
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.5*	*70-130*			
Matrix Spike (2424013-MS2)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.79*		*8.00*		*97.4*	*70-130*			
Matrix Spike Dup (2424013-MSD2)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	0.500	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.3*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:23:13AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424037-BLK1)									Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.2*		*50.0*		*102*	*50-200*			
LCS (2424037-BS1)									Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	285	25.0	250		114	38-132			
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*50-200*			
Matrix Spike (2424037-MS1)				**Source: E406051-09**					Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	337	25.0	250	59.1	111	38-132			
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*50-200*			
Matrix Spike Dup (2424037-MSD1)				**Source: E406051-09**					Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	351	25.0	250	59.1	117	38-132	3.96	20	
Surrogate: n-Nonane	*52.3*		*50.0*		*105*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:23:13AM

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 (2424024-BLK1)									Prepared: 06/10/24 Analyzed: 06/12/24
Chloride	ND	20.0							
LCS (2424024-BS1)									Prepared: 06/10/24 Analyzed: 06/12/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2424024-MS1)				**Source: E406065-25**					Prepared: 06/10/24 Analyzed: 06/12/24
Chloride	274	100	250	ND	109	80-120			
Matrix Spike Dup (2424024-MSD1)				**Source: E406065-25**					Prepared: 06/10/24 Analyzed: 06/12/24
Chloride	273	100	250	ND	109	80-120	0.320	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/17/24 11:23

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 6/10/2024 12:54:26PM

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:	WPX Energy - Carlsbad	Date Received:	06/10/24 12:15	Work Order ID:	E406078
Phone:	(539) 573-4018	Date Logged In:	06/10/24 12:51	Logged In By:	Raina Schwanz
Email:	devon-team@etechenv.com	Due Date:	06/14/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

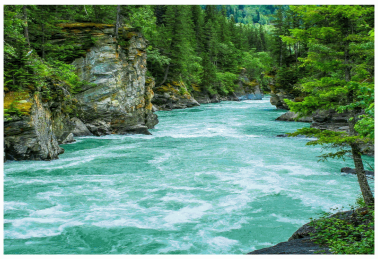
Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E406079
Job Number:	01058-0007
Received:	6/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/17/24

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

Date Reported: 6/17/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E406079
Date Received: 6/10/2024 12:15:00PM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/10/2024 12:15:00PM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

FS18A 0.5’ 5

QC Summary Data 6

QC - Volatile Organics by EPA 8021B 6

QC - Nonhalogenated Organics by EPA 8015D - GRO 7

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 8

QC - Anions by EPA 300.0/9056A 9

Definitions and Notes 10

Chain of Custody etc. 11

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/17/24 11:24

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS18A 0.5'	E406079-01A	Soil	06/05/24	06/10/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:24:29AM

FS18A 0.5'

E406079-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.1 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2424049
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*06/11/24*	*06/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2424044
Chloride	**379**	200	10	06/11/24	06/12/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:24:29AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424013-BLK1)									Prepared: 06/10/24 Analyzed: 06/13/24
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	*7.38*		*8.00*		*92.3*	*70-130*			
LCS (2424013-BS1)									Prepared: 06/10/24 Analyzed: 06/13/24
Benzene	5.20	0.0250	5.00		104	70-130			
Ethylbenzene	5.00	0.0250	5.00		100	70-130			
Toluene	5.12	0.0250	5.00		102	70-130			
o-Xylene	5.00	0.0250	5.00		99.9	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.36*		*8.00*		*92.0*	*70-130*			
Matrix Spike (2424013-MS1)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Benzene	5.19	0.0250	5.00	ND	104	54-133			
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61-133			
Toluene	5.11	0.0250	5.00	ND	102	61-130			
o-Xylene	4.96	0.0250	5.00	ND	99.2	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.2*	*70-130*			
Matrix Spike Dup (2424013-MSD1)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Benzene	5.12	0.0250	5.00	ND	102	54-133	1.30	20	
Ethylbenzene	4.90	0.0250	5.00	ND	98.1	61-133	1.72	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	1.60	20	
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131	1.35	20	
p,m-Xylene	9.94	0.0500	10.0	ND	99.4	63-131	1.63	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131	1.54	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:24:29AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424013-BLK1)									Prepared: 06/10/24 Analyzed: 06/13/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.4*	*70-130*			
LCS (2424013-BS2)									Prepared: 06/10/24 Analyzed: 06/13/24
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.5*	*70-130*			
Matrix Spike (2424013-MS2)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.79*		*8.00*		*97.4*	*70-130*			
Matrix Spike Dup (2424013-MSD2)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	0.500	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.3*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:24:29AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424049-BLK1)									Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.9*		*50.0*		*116*	*50-200*			
LCS (2424049-BS1)									Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	306	25.0	250		123	38-132			
Surrogate: n-Nonane	*58.1*		*50.0*		*116*	*50-200*			
Matrix Spike (2424049-MS1)				**Source: E406073-24**					Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	297	25.0	250	ND	119	38-132			
Surrogate: n-Nonane	*56.2*		*50.0*		*112*	*50-200*			
Matrix Spike Dup (2424049-MSD1)				**Source: E406073-24**					Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	38-132	1.35	20	
Surrogate: n-Nonane	*55.9*		*50.0*		*112*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:24:29AM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424044-BLK1)									Prepared: 06/11/24 Analyzed: 06/11/24
Chloride	ND	20.0							
LCS (2424044-BS1)									Prepared: 06/11/24 Analyzed: 06/12/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2424044-MS1)				**Source: E406073-23**					Prepared: 06/11/24 Analyzed: 06/12/24
Chloride	380	20.0	250	127	101	80-120			
Matrix Spike Dup (2424044-MSD1)				**Source: E406073-23**					Prepared: 06/11/24 Analyzed: 06/12/24
Chloride	376	20.0	250	127	99.7	80-120	1.12	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/17/24 11:24

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC.	
Project: RDX FEDERAL COM 28 #009H	
Project Manager: Gilbert Moreno	
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	
Phone: 832-541-7719	
Email: Devon-team@etechenv.com	
Collected by: Edyte Konan	

Bill To

Attention: Jim Raley
Address: 5315 Buena Vista Dr.
City, State, Zip: Carlsbad, NM, 88220
Phone: 575-885-7502
Email: jim.raley@dvn.com
WO: 21181898
Incident ID: nAB1632648516

Lab Use Only

Lab WO# E406079 | Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard (5 day TAT)

EPA Program: CWA | SDWA | RCRA

State: NM (x) | CO | UT | AZ | TX

Analysis and Method: Depth(ft.) | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	BGDOC NM	GDOC TX	Remarks
12:20	06.05.24	S	1	FS18A	1	0.5'	X		

06/07/24

Additional Instructions:

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: EK

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
[signature]	06/07/24	11:00	Michelle Gonzales	06-07-24	1100
Michelle Gonzales	06-07-24	1800	[signature]	6.7.24	1800
[signature]	6.8.24	7:00	Rana Lehmann	6/10/24	12:15

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
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

Envirotech Analytical Laboratory

Printed: 6/10/2024 1:02:59PM

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:	WPX Energy - Carlsbad	Date Received:	06/10/24 12:15	Work Order ID:	E406079
Phone:	(539) 573-4018	Date Logged In:	06/10/24 12:58	Logged In By:	Raina Schwanz
Email:	devon-team@etechenv.com	Due Date:	06/14/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

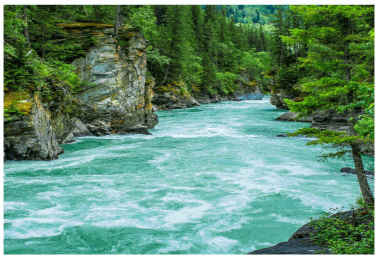
Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E403093
Job Number:	01058-0007
Received:	3/11/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/18/24

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

Date Reported: 3/18/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E403093
Date Received: 3/11/2024 9:45:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/11/2024 9:45:00AM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- FS26 0.25’ 5
- FS27 0.25’ 6
- FS28 0.25’ 7
- FS29 0.25’ 8

QC Summary Data 9

- QC - Volatile Organics by EPA 8021B 9
- QC - Nonhalogenated Organics by EPA 8015D - GRO 10
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 11
- QC - Anions by EPA 300.0/9056A 12

Definitions and Notes 13

Chain of Custody etc. 14

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	03/18/24 12:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS26 0.25'	E403093-01A	Soil	03/07/24	03/11/24	Glass Jar, 2 oz.
FS27 0.25'	E403093-02A	Soil	03/07/24	03/11/24	Glass Jar, 2 oz.
FS28 0.25'	E403093-03A	Soil	03/07/24	03/11/24	Glass Jar, 2 oz.
FS29 0.25'	E403093-04A	Soil	03/07/24	03/11/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:03:29PM

FS26 0.25'

E403093-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2411023
Benzene	ND	0.0250	1	03/11/24	03/15/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/15/24	
Toluene	ND	0.0250	1	03/11/24	03/15/24	
o-Xylene	**0.108**	0.0250	1	03/11/24	03/15/24	
p,m-Xylene	**0.318**	0.0500	1	03/11/24	03/15/24	
Total Xylenes	**0.426**	0.0250	1	03/11/24	03/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*03/11/24*	*03/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2411023
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.3 %*	*70-130*	*03/11/24*	*03/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411041
Diesel Range Organics (C10-C28)	**602**	25.0	1	03/12/24	03/12/24	
Oil Range Organics (C28-C36)	**295**	50.0	1	03/12/24	03/12/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*03/12/24*	*03/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	**8380**	200	10	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:03:29PM

FS27 0.25'

E403093-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2411023
Benzene	ND	0.0250	1	03/11/24	03/15/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/15/24	
Toluene	**0.0463**	0.0250	1	03/11/24	03/15/24	
o-Xylene	**0.0785**	0.0250	1	03/11/24	03/15/24	
p,m-Xylene	**0.248**	0.0500	1	03/11/24	03/15/24	
Total Xylenes	**0.327**	0.0250	1	03/11/24	03/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*	*70-130*	*03/11/24*	*03/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2411023
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.3 %*	*70-130*	*03/11/24*	*03/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411041
Diesel Range Organics (C10-C28)	**422**	25.0	1	03/12/24	03/12/24	
Oil Range Organics (C28-C36)	**193**	50.0	1	03/12/24	03/12/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*03/12/24*	*03/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	**7790**	200	10	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:03:29PM

FS28 0.25'

E403093-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2411023
Benzene	ND	0.0250	1	03/11/24	03/15/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/15/24	
Toluene	ND	0.0250	1	03/11/24	03/15/24	
o-Xylene	**0.0468**	0.0250	1	03/11/24	03/15/24	
p,m-Xylene	**0.162**	0.0500	1	03/11/24	03/15/24	
Total Xylenes	**0.209**	0.0250	1	03/11/24	03/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.5 %*	*70-130*	*03/11/24*	*03/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2411023
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.1 %*	*70-130*	*03/11/24*	*03/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411041
Diesel Range Organics (C10-C28)	**977**	25.0	1	03/12/24	03/12/24	
Oil Range Organics (C28-C36)	**429**	50.0	1	03/12/24	03/12/24	
Surrogate: n-Nonane		*97.9 %*	*50-200*	*03/12/24*	*03/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	**6750**	200	10	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:03:29PM

FS29 0.25'

E403093-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2411023
Benzene	ND	0.0250	1	03/11/24	03/15/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/15/24	
Toluene	ND	0.0250	1	03/11/24	03/15/24	
o-Xylene	**0.0264**	0.0250	1	03/11/24	03/15/24	
p,m-Xylene	**0.0854**	0.0500	1	03/11/24	03/15/24	
Total Xylenes	**0.112**	0.0250	1	03/11/24	03/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*03/11/24*	*03/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2411023
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.2 %*	*70-130*	*03/11/24*	*03/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411041
Diesel Range Organics (C10-C28)	**589**	25.0	1	03/12/24	03/12/24	
Oil Range Organics (C28-C36)	**354**	50.0	1	03/12/24	03/12/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*03/12/24*	*03/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	**7100**	200	10	03/14/24	03/15/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:03:29PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2411023-BLK1)									Prepared: 03/11/24 Analyzed: 03/11/24
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	*7.58*		*8.00*		*94.7*	*70-130*			
LCS (2411023-BS1)									Prepared: 03/11/24 Analyzed: 03/11/24
Benzene	5.03	0.0250	5.00		101	70-130			
Ethylbenzene	4.89	0.0250	5.00		97.8	70-130			
Toluene	5.02	0.0250	5.00		100	70-130			
o-Xylene	4.96	0.0250	5.00		99.2	70-130			
p,m-Xylene	9.99	0.0500	10.0		99.9	70-130			
Total Xylenes	14.9	0.0250	15.0		99.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.8*	*70-130*			
Matrix Spike (2411023-MS1)				**Source: E403092-02**					Prepared: 03/11/24 Analyzed: 03/12/24
Benzene	5.08	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.93	0.0250	5.00	ND	98.7	61-133			
Toluene	5.07	0.0250	5.00	ND	101	61-130			
o-Xylene	5.00	0.0250	5.00	ND	100	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.69*		*8.00*		*96.1*	*70-130*			
Matrix Spike Dup (2411023-MSD1)				**Source: E403092-02**					Prepared: 03/11/24 Analyzed: 03/12/24
Benzene	5.12	0.0250	5.00	ND	102	54-133	0.804	20	
Ethylbenzene	4.97	0.0250	5.00	ND	99.3	61-133	0.633	20	
Toluene	5.10	0.0250	5.00	ND	102	61-130	0.603	20	
o-Xylene	5.04	0.0250	5.00	ND	101	63-131	0.747	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	0.786	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	0.773	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.67*		*8.00*		*95.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:03:29PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2411023-BLK1)									Prepared: 03/11/24 Analyzed: 03/11/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.09*		*8.00*		*88.7*	*70-130*			
LCS (2411023-BS2)									Prepared: 03/11/24 Analyzed: 03/12/24
Gasoline Range Organics (C6-C10)	44.3	20.0	50.0		88.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.15*		*8.00*		*89.4*	*70-130*			
Matrix Spike (2411023-MS2)				**Source: E403092-02**					Prepared: 03/11/24 Analyzed: 03/12/24
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0	ND	89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.19*		*8.00*		*89.9*	*70-130*			
Matrix Spike Dup (2411023-MSD2)				**Source: E403092-02**					Prepared: 03/11/24 Analyzed: 03/12/24
Gasoline Range Organics (C6-C10)	45.9	20.0	50.0	ND	91.8	70-130	2.11	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.18*		*8.00*		*89.7*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:03:29PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2411041-BLK1)									Prepared: 03/12/24 Analyzed: 03/12/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.1*		*50.0*		*106*	*50-200*			
LCS (2411041-BS1)									Prepared: 03/12/24 Analyzed: 03/12/24
Diesel Range Organics (C10-C28)	293	25.0	250		117	38-132			
Surrogate: n-Nonane	*52.9*		*50.0*		*106*	*50-200*			
LCS Dup (2411041-BSD1)									Prepared: 03/12/24 Analyzed: 03/12/24
Diesel Range Organics (C10-C28)	291	25.0	250		116	38-132	0.706	20	
Surrogate: n-Nonane	*52.6*		*50.0*		*105*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:03:29PM

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 (2411100-BLK1)									Prepared: 03/14/24 Analyzed: 03/15/24
Chloride	ND	20.0							
LCS (2411100-BS1)									Prepared: 03/14/24 Analyzed: 03/15/24
Chloride	260	20.0	250		104	90-110			
LCS Dup (2411100-BSD1)									Prepared: 03/14/24 Analyzed: 03/15/24
Chloride	259	20.0	250		104	90-110	0.534	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	03/18/24 12:03

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 8/2/2024 9:58:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC.	**Bill To**	Lab Use Only	TAT / EPA Program
Project: RDX FEDERAL COM 28 #009H	Attention: Jim Raley	Lab WO# E403093	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 day TAT; CWA SDWA RCRA
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WO: 21181898		
	Incident ID: nAB1632648516		
Collected by: Edyte Konan			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State: NM	CO	UT	AZ	TX	Remarks
14:10	03.07.24	S	1	FS26	1	0.25'						x		x					
14:20	03.07.24	S	1	FS27	2	0.25'						x		x					
14:30	03.07.24	S	1	FS28	3	0.25'						x		x					
14:40	03.07.24	S	1	FS29	4	0.25'						x		x					

03/08/2024

Additional Instructions:

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: EK

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
[signature]	03/08/2024	12:00	[signature]	3-8-24	1200
[signature]	3-8-24	1745	[signature]	3.8.24	1745
[signature]	3.8.24	2400	[signature]	3/11/24	8:9:45

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
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

Envirotech Analytical Laboratory

Printed: 3/11/2024 1:20:10PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	03/11/24 09:45	Work Order ID:	E403093
Phone:	(539) 573-4018	Date Logged In:	03/11/24 13:17	Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	03/15/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

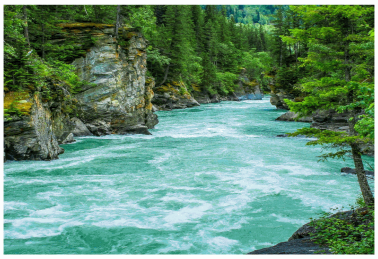
Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E406080
Job Number:	01058-0007
Received:	6/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/17/24

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

Date Reported: 6/17/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E406080
Date Received: 6/10/2024 12:15:00PM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/10/2024 12:15:00PM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

FS30 0.25’ 5

FS31 0.25’ 6

QC Summary Data 7

QC - Volatile Organics by EPA 8021B 7

QC - Nonhalogenated Organics by EPA 8015D - GRO 8

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 9

QC - Anions by EPA 300.0/9056A 10

Definitions and Notes 11

Chain of Custody etc. 12

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/17/24 15:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS30 0.25'	E406080-01A	Soil	06/05/24	06/10/24	Glass Jar, 2 oz.
FS31 0.25'	E406080-02A	Soil	06/05/24	06/10/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 3:28:17PM

FS30 0.25'

E406080-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2424049
Diesel Range Organics (C10-C28)	**38.7**	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*06/11/24*	*06/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2424044
Chloride	**6180**	400	20	06/11/24	06/12/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 3:28:17PM

FS31 0.25'

E406080-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2424049
Diesel Range Organics (C10-C28)	**30.0**	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*06/11/24*	*06/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2424044
Chloride	**6540**	400	20	06/11/24	06/12/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 3:28:17PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424013-BLK1)									Prepared: 06/10/24 Analyzed: 06/13/24
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	*7.38*		*8.00*		*92.3*	*70-130*			
LCS (2424013-BS1)									Prepared: 06/10/24 Analyzed: 06/13/24
Benzene	5.20	0.0250	5.00		104	70-130			
Ethylbenzene	5.00	0.0250	5.00		100	70-130			
Toluene	5.12	0.0250	5.00		102	70-130			
o-Xylene	5.00	0.0250	5.00		99.9	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.36*		*8.00*		*92.0*	*70-130*			
Matrix Spike (2424013-MS1)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Benzene	5.19	0.0250	5.00	ND	104	54-133			
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61-133			
Toluene	5.11	0.0250	5.00	ND	102	61-130			
o-Xylene	4.96	0.0250	5.00	ND	99.2	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.2*	*70-130*			
Matrix Spike Dup (2424013-MSD1)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Benzene	5.12	0.0250	5.00	ND	102	54-133	1.30	20	
Ethylbenzene	4.90	0.0250	5.00	ND	98.1	61-133	1.72	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	1.60	20	
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131	1.35	20	
p,m-Xylene	9.94	0.0500	10.0	ND	99.4	63-131	1.63	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131	1.54	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 3:28:17PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424013-BLK1)									Prepared: 06/10/24 Analyzed: 06/13/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.4*	*70-130*			
LCS (2424013-BS2)									Prepared: 06/10/24 Analyzed: 06/13/24
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.5*	*70-130*			
Matrix Spike (2424013-MS2)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.79*		*8.00*		*97.4*	*70-130*			
Matrix Spike Dup (2424013-MSD2)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	0.500	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.3*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 3:28:17PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424049-BLK1)									Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.9*		*50.0*		*116*	*50-200*			
LCS (2424049-BS1)									Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	306	25.0	250		123	38-132			
Surrogate: n-Nonane	*58.1*		*50.0*		*116*	*50-200*			
Matrix Spike (2424049-MS1)				**Source: E406073-24**					Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	297	25.0	250	ND	119	38-132			
Surrogate: n-Nonane	*56.2*		*50.0*		*112*	*50-200*			
Matrix Spike Dup (2424049-MSD1)				**Source: E406073-24**					Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	38-132	1.35	20	
Surrogate: n-Nonane	*55.9*		*50.0*		*112*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 3:28:17PM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424044-BLK1)									Prepared: 06/11/24 Analyzed: 06/11/24
Chloride	ND	20.0							
LCS (2424044-BS1)									Prepared: 06/11/24 Analyzed: 06/12/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2424044-MS1)				**Source: E406073-23**					Prepared: 06/11/24 Analyzed: 06/12/24
Chloride	380	20.0	250	127	101	80-120			
Matrix Spike Dup (2424044-MSD1)				**Source: E406073-23**					Prepared: 06/11/24 Analyzed: 06/12/24
Chloride	376	20.0	250	127	99.7	80-120	1.12	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/17/24 15:28

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 6/10/2024 1:09:11PM

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:	WPX Energy - Carlsbad	Date Received:	06/10/24 13:06	Work Order ID:	E406080
Phone:	(539) 573-4018	Date Logged In:	06/10/24 13:06	Logged In By:	Raina Schwanz
Email:	devon-team@etechenv.com	Due Date:	06/14/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

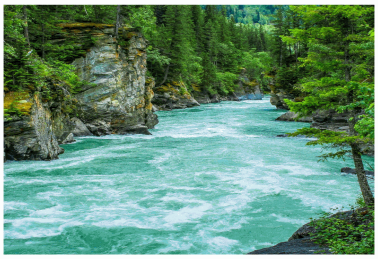
Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E403094
Job Number:	01058-0007
Received:	3/11/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/18/24

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

Date Reported: 3/18/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E403094
Date Received: 3/11/2024 9:45:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/11/2024 9:45:00AM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- SW01 0-0.25’ 5
- SW02 0-0.25’ 6
- SW03 0-0.25’ 7
- SW04 0-0.25’ 8

QC Summary Data 9

- QC - Volatile Organics by EPA 8021B 9
- QC - Nonhalogenated Organics by EPA 8015D - GRO 10
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 11
- QC - Anions by EPA 300.0/9056A 12

Definitions and Notes 13

Chain of Custody etc. 14

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	03/18/24 12:02

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01 0-0.25'	E403094-01A	Soil	03/07/24	03/11/24	Glass Jar, 2 oz.
SW02 0-0.25'	E403094-02A	Soil	03/07/24	03/11/24	Glass Jar, 2 oz.
SW03 0-0.25'	E403094-03A	Soil	03/07/24	03/11/24	Glass Jar, 2 oz.
SW04 0-0.25'	E403094-04A	Soil	03/07/24	03/11/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:02:42PM

SW01 0-0.25'

E403094-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2411023
Benzene	ND	0.0250	1	03/11/24	03/15/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/15/24	
Toluene	ND	0.0250	1	03/11/24	03/15/24	
o-Xylene	ND	0.0250	1	03/11/24	03/15/24	
p,m-Xylene	ND	0.0500	1	03/11/24	03/15/24	
Total Xylenes	ND	0.0250	1	03/11/24	03/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*70-130*	*03/11/24*	*03/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2411023
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.1 %*	*70-130*	*03/11/24*	*03/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411071
Diesel Range Organics (C10-C28)	**65.5**	25.0	1	03/13/24	03/14/24	
Oil Range Organics (C28-C36)	**75.4**	50.0	1	03/13/24	03/14/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*03/13/24*	*03/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	**145**	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:02:42PM

SW02 0-0.25'

E403094-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2411023
Benzene	ND	0.0250	1	03/11/24	03/15/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/15/24	
Toluene	ND	0.0250	1	03/11/24	03/15/24	
o-Xylene	ND	0.0250	1	03/11/24	03/15/24	
p,m-Xylene	ND	0.0500	1	03/11/24	03/15/24	
Total Xylenes	ND	0.0250	1	03/11/24	03/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*03/11/24*	*03/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2411023
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.6 %*	*70-130*	*03/11/24*	*03/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411071
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/14/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*03/13/24*	*03/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	**119**	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:02:42PM

SW03 0-0.25'

E403094-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2411023
Benzene	ND	0.0250	1	03/11/24	03/15/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/15/24	
Toluene	ND	0.0250	1	03/11/24	03/15/24	
o-Xylene	ND	0.0250	1	03/11/24	03/15/24	
p,m-Xylene	ND	0.0500	1	03/11/24	03/15/24	
Total Xylenes	ND	0.0250	1	03/11/24	03/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*03/11/24*	*03/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2411023
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.7 %*	*70-130*	*03/11/24*	*03/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411071
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/14/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*03/13/24*	*03/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	**116**	100	5	03/14/24	03/15/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:02:42PM

SW04 0-0.25'

E403094-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2411023
Benzene	ND	0.0250	1	03/11/24	03/15/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/15/24	
Toluene	ND	0.0250	1	03/11/24	03/15/24	
o-Xylene	ND	0.0250	1	03/11/24	03/15/24	
p,m-Xylene	ND	0.0500	1	03/11/24	03/15/24	
Total Xylenes	ND	0.0250	1	03/11/24	03/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.9 %*	*70-130*	*03/11/24*	*03/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2411023
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.6 %*	*70-130*	*03/11/24*	*03/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411071
Diesel Range Organics (C10-C28)	**609**	25.0	1	03/13/24	03/14/24	
Oil Range Organics (C28-C36)	**427**	50.0	1	03/13/24	03/14/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*03/13/24*	*03/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	ND	100	5	03/14/24	03/15/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:02:42PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2411023-BLK1)									Prepared: 03/11/24 Analyzed: 03/11/24
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	*7.58*		*8.00*		*94.7*	*70-130*			
LCS (2411023-BS1)									Prepared: 03/11/24 Analyzed: 03/11/24
Benzene	5.03	0.0250	5.00		101	70-130			
Ethylbenzene	4.89	0.0250	5.00		97.8	70-130			
Toluene	5.02	0.0250	5.00		100	70-130			
o-Xylene	4.96	0.0250	5.00		99.2	70-130			
p,m-Xylene	9.99	0.0500	10.0		99.9	70-130			
Total Xylenes	14.9	0.0250	15.0		99.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.8*	*70-130*			
Matrix Spike (2411023-MS1)				**Source: E403092-02**					Prepared: 03/11/24 Analyzed: 03/12/24
Benzene	5.08	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.93	0.0250	5.00	ND	98.7	61-133			
Toluene	5.07	0.0250	5.00	ND	101	61-130			
o-Xylene	5.00	0.0250	5.00	ND	100	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.69*		*8.00*		*96.1*	*70-130*			
Matrix Spike Dup (2411023-MSD1)				**Source: E403092-02**					Prepared: 03/11/24 Analyzed: 03/12/24
Benzene	5.12	0.0250	5.00	ND	102	54-133	0.804	20	
Ethylbenzene	4.97	0.0250	5.00	ND	99.3	61-133	0.633	20	
Toluene	5.10	0.0250	5.00	ND	102	61-130	0.603	20	
o-Xylene	5.04	0.0250	5.00	ND	101	63-131	0.747	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	0.786	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	0.773	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.67*		*8.00*		*95.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:02:42PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2411023-BLK1)									Prepared: 03/11/24 Analyzed: 03/11/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.09*		*8.00*		*88.7*	*70-130*			
LCS (2411023-BS2)									Prepared: 03/11/24 Analyzed: 03/12/24
Gasoline Range Organics (C6-C10)	44.3	20.0	50.0		88.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.15*		*8.00*		*89.4*	*70-130*			
Matrix Spike (2411023-MS2)				**Source: E403092-02**					Prepared: 03/11/24 Analyzed: 03/12/24
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0	ND	89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.19*		*8.00*		*89.9*	*70-130*			
Matrix Spike Dup (2411023-MSD2)				**Source: E403092-02**					Prepared: 03/11/24 Analyzed: 03/12/24
Gasoline Range Organics (C6-C10)	45.9	20.0	50.0	ND	91.8	70-130	2.11	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.18*		*8.00*		*89.7*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:02:42PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2411071-BLK1)									Prepared: 03/13/24 Analyzed: 03/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.5*		*50.0*		*103*	*50-200*			
LCS (2411071-BS1)									Prepared: 03/13/24 Analyzed: 03/14/24
Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132			
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*50-200*			
LCS Dup (2411071-BSD1)									Prepared: 03/13/24 Analyzed: 03/14/24
Diesel Range Organics (C10-C28)	276	25.0	250		110	38-132	1.78	20	
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/18/2024 12:02:42PM

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 (2411100-BLK1)									Prepared: 03/14/24 Analyzed: 03/15/24
Chloride	ND	20.0							
LCS (2411100-BS1)									Prepared: 03/14/24 Analyzed: 03/15/24
Chloride	260	20.0	250		104	90-110			
LCS Dup (2411100-BSD1)									Prepared: 03/14/24 Analyzed: 03/15/24
Chloride	259	20.0	250		104	90-110	0.534	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	03/18/24 12:02

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.

Released to Imaging: 8/7/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 3/11/2024 1:23:21PM

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:	WPX Energy - Carlsbad	Date Received:	03/11/24 09:45	Work Order ID:	E403094
Phone:	(539) 573-4018	Date Logged In:	03/11/24 13:21	Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	03/15/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

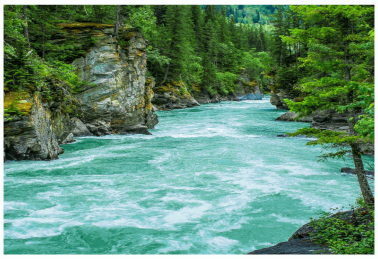
Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E406081
Job Number:	01058-0007
Received:	6/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/17/24

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

Date Reported: 6/17/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E406081
Date Received: 6/10/2024 12:15:00PM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/10/2024 12:15:00PM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

SW04 0-0.5’ 5

QC Summary Data 6

QC - Volatile Organics by EPA 8021B 6

QC - Nonhalogenated Organics by EPA 8015D - GRO 7

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 8

QC - Anions by EPA 300.0/9056A 9

Definitions and Notes 10

Chain of Custody etc. 11

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/17/24 11:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW04 0-0.5'	E406081-01A	Soil	06/05/24	06/10/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:27:19AM

SW04 0-0.5'

E406081-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.5 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*06/10/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2424049
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*06/11/24*	*06/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2424044
Chloride	ND	200	10	06/11/24	06/12/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:27:19AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424013-BLK1)									Prepared: 06/10/24 Analyzed: 06/13/24
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	*7.38*		*8.00*		*92.3*	*70-130*			
LCS (2424013-BS1)									Prepared: 06/10/24 Analyzed: 06/13/24
Benzene	5.20	0.0250	5.00		104	70-130			
Ethylbenzene	5.00	0.0250	5.00		100	70-130			
Toluene	5.12	0.0250	5.00		102	70-130			
o-Xylene	5.00	0.0250	5.00		99.9	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.36*		*8.00*		*92.0*	*70-130*			
Matrix Spike (2424013-MS1)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Benzene	5.19	0.0250	5.00	ND	104	54-133			
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61-133			
Toluene	5.11	0.0250	5.00	ND	102	61-130			
o-Xylene	4.96	0.0250	5.00	ND	99.2	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.2*	*70-130*			
Matrix Spike Dup (2424013-MSD1)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Benzene	5.12	0.0250	5.00	ND	102	54-133	1.30	20	
Ethylbenzene	4.90	0.0250	5.00	ND	98.1	61-133	1.72	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	1.60	20	
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131	1.35	20	
p,m-Xylene	9.94	0.0500	10.0	ND	99.4	63-131	1.63	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131	1.54	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:27:19AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424013-BLK1)									Prepared: 06/10/24 Analyzed: 06/13/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.4*	*70-130*			
LCS (2424013-BS2)									Prepared: 06/10/24 Analyzed: 06/13/24
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.5*	*70-130*			
Matrix Spike (2424013-MS2)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.79*		*8.00*		*97.4*	*70-130*			
Matrix Spike Dup (2424013-MSD2)				**Source: E406074-01**					Prepared: 06/10/24 Analyzed: 06/14/24
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	0.500	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.3*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:27:19AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424049-BLK1)									Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.9*		*50.0*		*116*	*50-200*			
LCS (2424049-BS1)									Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	306	25.0	250		123	38-132			
Surrogate: n-Nonane	*58.1*		*50.0*		*116*	*50-200*			
Matrix Spike (2424049-MS1)				**Source: E406073-24**					Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	297	25.0	250	ND	119	38-132			
Surrogate: n-Nonane	*56.2*		*50.0*		*112*	*50-200*			
Matrix Spike Dup (2424049-MSD1)				**Source: E406073-24**					Prepared: 06/11/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	38-132	1.35	20	
Surrogate: n-Nonane	*55.9*		*50.0*		*112*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/17/2024 11:27:19AM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424044-BLK1)									Prepared: 06/11/24 Analyzed: 06/11/24
Chloride	ND	20.0							
LCS (2424044-BS1)									Prepared: 06/11/24 Analyzed: 06/12/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2424044-MS1)				**Source: E406073-23**					Prepared: 06/11/24 Analyzed: 06/12/24
Chloride	380	20.0	250	127	101	80-120			
Matrix Spike Dup (2424044-MSD1)				**Source: E406073-23**					Prepared: 06/11/24 Analyzed: 06/12/24
Chloride	376	20.0	250	127	99.7	80-120	1.12	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/17/24 11:27

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 6/10/2024 1:14:38PM

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:	WPX Energy - Carlsbad	Date Received:	06/10/24 12:15	Work Order ID:	E406081
Phone:	(539) 573-4018	Date Logged In:	06/10/24 13:11	Logged In By:	Raina Schwanz
Email:	devon-team@etechenv.com	Due Date:	06/14/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

APPENDIX H

Correspondence & Notifications

Erick Herrera

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Monday, April 22, 2024 11:59 AM
To: Raley, Jim
Cc: Devon-Team; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD; Maxwell, Ashley, EMNRD
Subject: WPX Energy - Extension Request - nAB1632648516 and nAPP2406527330

Some people who received this message don't often get email from robert.hamlet@emnrd.nm.gov. Learn why this is important

RE: Incident **#NAB1632648516 and NAPP2406527330**

Jim,

Your request for a 90-day extension to **July 22nd, 2024,** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

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

From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Monday, April 22, 2024 8:52 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] WPX Energy Extension Request - nAB1632648516 and nAPP2406527330

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

Robert,

WPX Energy Permian, LLC (WPX) is requesting an extension to the current deadline for a report required in 19.15.29.12.B.(1) NMAC at the RDX 28-9H (Site).

A produced water and oil release was discovered on November 4, 2016, and subsequently assigned Incident Number nAB1632648516. WPX was scheduled to conduct confirmation sampling activities for the Area of Concern to meet conditions associated with a denial and meet the deadline for April 30, 2024. However, an additional inadvertent release of produced water occurred on March 5, 2024, (nAPP2406527330) and overlapped a portion of the area impacted by nAB1632648516. Site assessment of the new release has been completed and impacts appear generally defined.

Additional investigation via delineation soil sampling and/or confirmation sampling is warranted to develop a path forward for remediation since both releases will be combined in subsequent report.

WPX requests an extension to allow additional time to investigate the second release since it overlaps the nAB1632648516 and develop a report to address both releases. To provide enough time to recollect and review new delineation samples, perform additional corrective action for the releases and prepare a report, WPX requests a 90-day extension of the deadline for the two overlapping releases associated with Incident Number **nAB1632648516** and **nAPP2406527330** to **July 29, 2024.**

Jim Raley | Environmental Professional - Permian Basin
5315 Buena Vista Dr., Carlsbad, NM 88220
C: (575)689-7597 | jim.raley@dvn.com



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Erick Herrera

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Tuesday, February 13, 2024 8:46 AM
To: Joseph Hernandez
Cc: Devon-Team; jim.raley@dvn.com; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD
Subject: WPX Site Sampling Variance Request RDX 28-9H (nAB1632648516)

Some people who received this message don't often get email from robert.hamlet@emnrd.nm.gov. Learn why this is important

Joseph,

The variance is approved for 400 ft2 floor confirmation samples. The release area will still need confirmation sidewall samples representing no more than 200 ft2. Please include this e-mail correspondence in the remediation and/or closure report.

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

From: Joseph Hernandez <joseph@etechenv.com>
Sent: Monday, February 12, 2024 9:19 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Devon-Team <Devon-Team@etechenv.com>; jim.raley@dvn.com
Subject: [EXTERNAL] WPX Site Sampling Variance Request RDX 28-9H (nAB1632648516)

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

Robert,

Attached you will find the cover letter with the sampling variance request information for the RDX 28-9H (**nAB1632648516**) for your review. Due to the large Area of concern (11,340 square feet), WPX requests a sampling variance for 5-point composite confirmation soil samples to represent a maximum of 400 square feet per soil sample collected from the area of concern. As such, 29 confirmation soil samples are anticipated to be collected, compared to the 57 soil samples utilizing a sampling frequency of 200 square feet. Lateral/edge confirmation soil samples will still be collected at a sampling frequency representing no more than 200 square feet per soil sample. Confirmation soil samples will be submitted to an accredited laboratory for analysis of BTEX (Method EPA 8260B), TPH (Method EPA 8015D) and chloride (Method EPA 300.0).

Please let me know if you have any questions or require any additional information.

Joseph S. Hernandez
Senior Managing Geologist

Environmental & Safety Solutions, Inc.

Cell: (432) 305-6413

Erick Herrera

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Friday, June 16, 2023 3:37 PM
To: Erick Herrera
Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Subject: RE: [EXTERNAL] WPX Site Sampling Activity Update (6/20 - 6/23)

Erick,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http:// **www.emnrd.nm.gov**

From: Erick Herrera <erick@etechenv.com>
Sent: Thursday, June 15, 2023 3:14 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov
Cc: Raley, Jim <jim.raley@dvn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] WPX Site Sampling Activity Update (6/20 - 6/23)

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

WPX anticipates conducting confirmation soil sampling activities at the following sites between June 20 – June 23, 2023:

Site Name: North Brushy PW Line
Incident Numbers: nAPP2231126594 & nAPP2312845934

Site Name: RDX 9#004
Incident Number: nAB1803254347
API: 30-015-40180

Site Name: RDX Federal COM 28 #009H
Incident Number: nAB1632648516
API: 30-015-43294

Site Name: Holly A Federal #006

Incident Number: nAPP2116548791
API: 30-015-25331

Site Name: Ross Draw #012
Incident Numbers: nHMP1407235518 and nAPP2315142829
API: 30-015-24793

Thank you,

Erick Herrera
Staff Geologist

eTECH Environmental & Safety Solutions, Inc.

Work: (432) 305-6416
Cell: (281) 777-4152

Erick Herrera

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, August 11, 2023 11:06 AM
To: Erick Herrera
Cc: Bratcher, Michael, EMNRD; Maxwell, Ashley, EMNRD
Subject: RE: [EXTERNAL] WPX Site Sampling Activity Update (8/16 - 8/18)

Good morning Erick,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

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

From: Erick Herrera <erick@etechenv.com>
Sent: Friday, August 11, 2023 9:33 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov
Cc: Raley, Jim <jim.raley@dvn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] WPX Site Sampling Activity Update (8/16 - 8/18)

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

Good morning,

WPX anticipates conducting confirmation soil sampling activities at the following sites between August 16th through August 18th, 2023:

Proposed Date: August 16, 2023, August 17, 2023, August 18, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: RDX 17-14
Incident Number: nAB1504834000
API: 30-015-39845

Proposed Date: August 16, 2023, August 17, 2023, August 18, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: RDX 28 #009H
Incident Number: nAB1632648516
API: 30-015-43294

Thank you,

Erick Herrera
Staff Geologist

Environmental & Safety Solutions, Inc.

Work: (432) 305-6416
Cell: (281) 777-4152

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 319938

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 319938
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1632648516**
Incident Name	**NAB1632648516 RDX FEDERAL COM 28 #009H @ 30-015-43294**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Received**
Incident Well	**[30-015-43294] RDX FEDERAL COM 28 #009H**

Location of Release Source	
Site Name	**RDX FEDERAL COM 28 #009H**
Date Release Discovered	**11/04/2016**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	11,340
What is the estimated number of samples that will be gathered	29
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/07/2024
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Please contact Gilbert Moreno at 432-305-6414 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Pipeline rd/Whitehorn rd, head east on Pipeline rd for 6.1 mi. turn right for 2 mi., left for 0.8 mi. right for 1.1 mi., right for 0.5 miles to reach the RDX 28-9H well pad.

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Santa Fe, NM 87505

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 319938
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/4/2024

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Santa Fe, NM 87505

QUESTIONS

Action 323589

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 323589
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2406527330**
Incident Name	**NAPP2406527330 RDX FEDERAL COM 28 #009H @ 30-015-43294**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-43294] RDX FEDERAL COM 28 #009H**

Location of Release Source	
Site Name	**RDX FEDERAL COM 28 #009H**
Date Release Discovered	**03/03/2024**
Surface Owner	**Federal**

Liner Inspection Event Information *Please answer all the questions in this group.*	
What is the liner inspection surface area in square feet	4,234
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	03/21/2024
Time liner inspection will commence	08:30 AM
Please provide any information necessary for observers to liner inspection	Please contact Gilbert Moreno at 432-305-6414 with any questions
Please provide any information necessary for navigation to liner inspection site	From the intersection of Pipeline rd/Whitehorn rd, head east on Pipeline rd for 6.1 mi. turn right for 2 mi., left for 0.8 mi. right for 1.1 mi., right for 0.5 miles to reach the RDX 28-9H well pad.

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CONDITIONS

Action 323589

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 323589
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	3/15/2024

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QUESTIONS

Action 323589

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 323589
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2406527330**
Incident Name	**NAPP2406527330 RDX FEDERAL COM 28 #009H @ 30-015-43294**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-43294] RDX FEDERAL COM 28 #009H**

Location of Release Source	
Site Name	**RDX FEDERAL COM 28 #009H**
Date Release Discovered	**03/03/2024**
Surface Owner	**Federal**

Liner Inspection Event Information *Please answer all the questions in this group.*	
What is the liner inspection surface area in square feet	4,234
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	03/21/2024
Time liner inspection will commence	08:30 AM
Please provide any information necessary for observers to liner inspection	Please contact Gilbert Moreno at 432-305-6414 with any questions
Please provide any information necessary for navigation to liner inspection site	From the intersection of Pipeline rd/Whitehorn rd, head east on Pipeline rd for 6.1 mi. turn right for 2 mi., left for 0.8 mi. right for 1.1 mi., right for 0.5 miles to reach the RDX 28-9H well pad.

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CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 323589
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	3/15/2024

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Santa Fe, NM 87505

QUESTIONS

Action 323592

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 323592
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1632648516**
Incident Name	**NAB1632648516 RDX FEDERAL COM 28 #009H @ 30-015-43294**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Received**
Incident Well	**[30-015-43294] RDX FEDERAL COM 28 #009H**

Location of Release Source	
Site Name	**RDX FEDERAL COM 28 #009H**
Date Release Discovered	**11/04/2016**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	7,199
What is the estimated number of samples that will be gathered	16
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/21/2024
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Please contact Gilbert Moreno at 432-305-6414 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Pipeline rd/Whitehorn rd, head east on Pipeline rd for 6.1 mi. turn right for 2 mi., left for 0.8 mi. right for 1.1 mi., right for 0.5 miles to reach the RDX 28-9H well pad.

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State of New Mexico
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Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 323592
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/15/2024

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State of New Mexico
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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 323580

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 323580
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2406527330**
Incident Name	**NAPP2406527330 RDX FEDERAL COM 28 #009H @ 30-015-43294**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-43294] RDX FEDERAL COM 28 #009H**

Location of Release Source	
Site Name	**RDX FEDERAL COM 28 #009H**
Date Release Discovered	**03/03/2024**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	4,234
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/21/2024
Time sampling will commence	09:30 AM
Please provide any information necessary for observers to contact samplers	Please contact Gilbert Moreno at 432-305-6414 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Pipeline rd/Whitehorn rd, head east on Pipeline rd for 6.1 mi. turn right for 2 mi., left for 0.8 mi. right for 1.1 mi., right for 0.5 miles to reach the RDX 28-9H well pad.

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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 323580

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 323580
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/15/2024

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

QUESTIONS

Action 350362

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 350362
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1632648516**
Incident Name	**NAB1632648516 RDX FEDERAL COM 28 #009H @ 30-015-43294**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Received**
Incident Well	**[30-015-43294] RDX FEDERAL COM 28 #009H**

Location of Release Source	
Site Name	**RDX FEDERAL COM 28 #009H**
Date Release Discovered	**11/04/2016**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	7,800
What is the estimated number of samples that will be gathered	15
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/05/2024
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Please contact Gilbert Moreno at 432-305-6414 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Pipeline rd/Whitehorn rd, head east on Pipeline rd for 6.1 mi. turn right for 2 mi., left for 0.8 mi. right for 1.1 mi., right for 0.5 miles to reach the RDX 28-9H well pad.

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Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 350362
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/3/2024

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 350365

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 350365
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2406527330**
Incident Name	**NAPP2406527330 RDX FEDERAL COM 28 #009H @ 30-015-43294**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-43294] RDX FEDERAL COM 28 #009H**

Location of Release Source	
Site Name	**RDX FEDERAL COM 28 #009H**
Date Release Discovered	**03/03/2024**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	7,800
What is the estimated number of samples that will be gathered	15
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/05/2024
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Please contact Gilbert Moreno at 432-305-6414 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Pipeline rd/Whitehorn rd, head east on Pipeline rd for 6.1 mi. turn right for 2 mi., left for 0.8 mi. right for 1.1 mi., right for 0.5 miles to reach the RDX 28-9H well pad.

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
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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Action 350365

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 350365
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/3/2024

APPENDIX H

Archived Reports

Environmental & Safety Solutions, Inc.

CLOSURE VARIANCE REPORT

RDX 28-9H

Eddy County, New Mexico

Incident Number nAB1632648516

Prepared For:

WPX Energy Permian, LLC

5315 Buena Vista Dr.

Carlsbad, NM 88220

Carlsbad ● Midland ● San Antonio ● Lubbock ● Hobbs ● Lafayette

SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of WPX Energy Permian, LLC (WPX), presents the following Closure Variance Report (CVR) to document site assessment and soil sampling activities performed for an inadvertent release of crude oil and produced water at the RDX 28-9H (Site) (**Figure 1** in **Appendix A**). Based on recent correspondence with the New Mexico Oil Conservation Division (NMOCD), Site review and laboratory analytical results from soil sampling events, WPX is requesting No Further Action (NFA) at the Site at the Site until Plugging and Abandonment (P&A) activities.

SITE LOCATION AND RELEASE BACKGROUND

On November 4, 2016, a mechanical malfunction of the separator caused the release of approximately 85 barrels (bbls) of a crude oil and produced water mixture onto the surface of the production well pad. Vacuum trucks were dispatched to the Site and recovered approximately 75 bbls of fluids. All fluids were reported to be contained to the well pad. WPX reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification and Corrective Action Form C-141 (Form C-141), on November 17, 2016, and was subsequently assigned Incident Number nAB1632648516. **Figure 2** in **Appendix A** depicts the observed release footprint, hereafter referred to as the Area of Concern (AOC).

The well pad (API 30-015-43294) for this Site is located in Unit C, Section 28, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.030564°, -103.8912511°) as provided in the initial Form C-141 and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

The separator, where the release occurred, is located in the northeastern corner of the well pad (32.019742, -103.889568°). The updated coordinates are provided on the Final Form C-141.

A Closure Request Report (CRR) was submitted and denied by Ashley Maxwell from the NMOCD on October 2, 2023, for the following reasons:

- *"Closure denied. All areas not reasonably needed for production or subsequent drilling operations must be reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene. Submit a report via the OCD permitting portal by 12/29/2023."*

Etech met with NMOCD on October 25, 2023, to clarify the denial response, and it was determined that NMOCD is now requiring operators to either remediate future reclamation areas on active well pads or submit a variance until the well pad is undergoes P&A. As a result, this report has been modified to defer future areas of restoration impacted by the release, which does not currently contain soil concentrations above the applicable Closure Criteria for the active well pad.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Based on the desktop review for the Site according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;

- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs), based off a nearby soil boring advanced by Talon LPE on behalf of WPX, located approximately 0.34 miles north of the Site on the RDX Federal Com 21-43 well pad. Soil boring (MW-1) was advanced on December 9, 2020, via a truck mounted drill rig equipped with a hollow stem auger to a total depth of 105 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. Following the observation period, the boring was plugged and abandoned according to the appropriate regulations. The well log for the referenced soil boring is provided in **Appendix B**. The soil boring location and regional groundwater well locations are shown in **Figure 1A** in **Appendix A**.

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

Based on the results from the desktop review and regional depth to groundwater at the Site, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria†
Chloride	Environmental Protection Agency (EPA) 300.0	20,000 milligram per kilogram (mg/kg)
TPH (Total Petroleum Hydrocarbon)	EPA 8015 M/D	2,500 mg/kg
Gasoline Range Organics (GRO) + Diesel Range Organics (DRO)	EPA 8015 M/D	1,000 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B	50 mg/kg

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

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

From June 22, 2023, to August 18, 2023, Etech conducted site assessment and delineation activities to characterize the subject release by verifying the presence or absence of impacted soil. Ten delineation potholes (PH01 through PH10) were advanced via mechanical equipment and/or hand auger to assess the lateral and vertical extents of the AOC. Four delineation potholes (PH01 through PH03, and PH05) were advanced within the AOC, and six delineation potholes (PH04 and PH06 through PH10) were advanced in every cardinal direction surrounding the AOC. Delineation activities were driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. A total of two samples were collected from each delineation soil sample location, representing the highest observed field screening concentrations and the greatest depth. Field screening results and soil descriptions are included on soil sampling logs shown in **Appendix C**. The locations of the delineation soil samples are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix D**.

The delineation soil samples were placed directly into lab provided pre-cleaned jars, packed with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict

chain-of-custody procedures, to Envirotech Laboratories (Envirotech) in Farmington, New Mexico, for analysis of COCs.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all confirmation delineation pothole soil samples indicated all analyzed COCs were below the applicable Site Closure Criteria. Soil samples collected surrounding the AOC provide sufficient horizontal delineation of the subject release. Laboratory analytical results are summarized in **Table 1** included in **Appendix E**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix F**.

CLOSURE VARIANCE REQUEST

Laboratory analytical results associated with delineation activities for the inadvertent release have verified the absence of residual impacts as per Site Closure Criteria, as well as defined the horizontal periphery of the AOC. Due to the active status of the well pad where the inadvertent release occurred, the top 4 feet of the AOC associated with PH03 and PH05 is not ready to undergo complete reclamation in which the primary purpose is to reestablish vegetation. Since depth to groundwater at the Site is estimated to be greater than 100 feet bgs and there are no sensitive receptors within the established buffers in NMAC 19.15.29.12, WPX believes leaving soil in place with chloride concentrations exceeding the reclamation standard but below the Site Closure Criteria meets the requirements set forth in NMAC 19.15.29.13 regulations and is equally protective of human health, the environment, and groundwater. WPX will reassess the Site during P&A activities and address those soil concentrations above the reclamation requirements of 600 mg/kg chloride and 100 mg/kg TPH. WPX estimates approximately 180 cubic yards of soil associated with PH03 and PH05 to be removed during P&A. The final remediation will be confirmed via excavation confirmation sampling and is subject to change. The proposed future restoration area is depicted on **Figure 3** in **Appendix A**. As such, NFA appears warranted at this time and the CVR associated with Incident Number nAB1632648516 should be respectfully considered for a variance by the NMOCD until P&A activities.

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (281) 702-2329 or joseph@etechenv.com or Erick Herrera (281) 777-4152 or erick@etechenv.com. **Appendix G** provides correspondence email notification receipts associated with the subject release**.** The denied CCR report is included in **Appendix H**.

Sincerely,
Etech Environmental and Safety Solutions, Inc.

Erick Herrera
Staff Geologist

Joseph S. Hernandez
Senior Managing Geologist

cc: Jim Raley, WPX
New Mexico Oil Conservation Division
Bureau of Land Management

Appendices:

Appendix A: Figure 1: Site Map
Figure 1A: Site Characterization Map – Groundwater
Figure 1B: Site Characterization Map – Surficial Receptors
Figure 1C: Site Characterization Map – Subsurface Receptors
Figure 2: Delineation Soil Sample Locations
Figure 3: Future Restoration Areas
Appendix B: Referenced Well Records
Appendix C: Soil Sampling Logs
Appendix D: Photographic Log
Appendix E: Tables
Appendix F: Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix G: NMOCD Notifications
Appendix H: Denied NMOCD Report

APPENDIX A

Figures

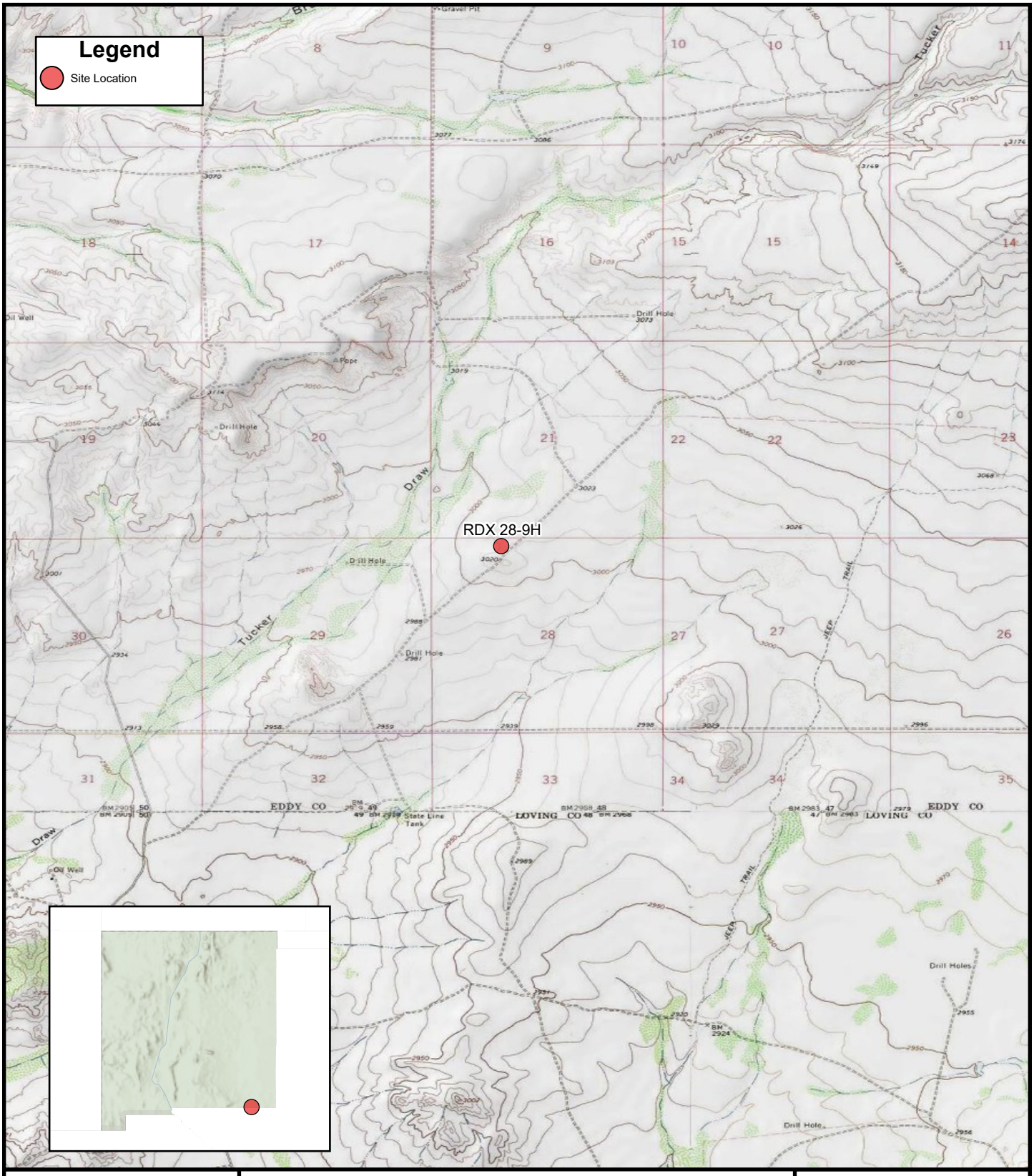


FIGURE 1

Site Location Map

WPX ENERGY PERMIAN, LLC
RDX 28-9H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

0 2,000 4,000 Feet

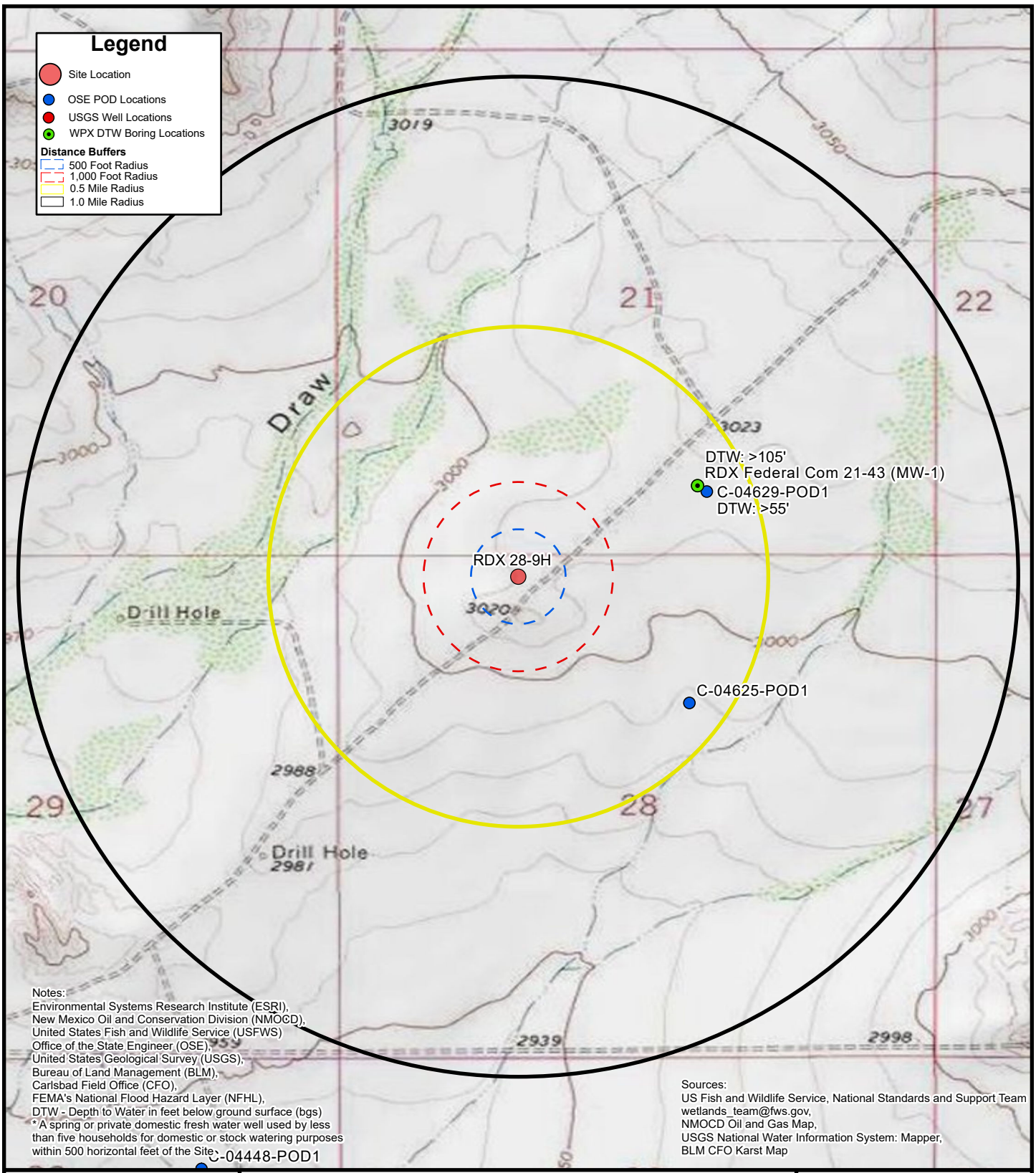


FIGURE 1A

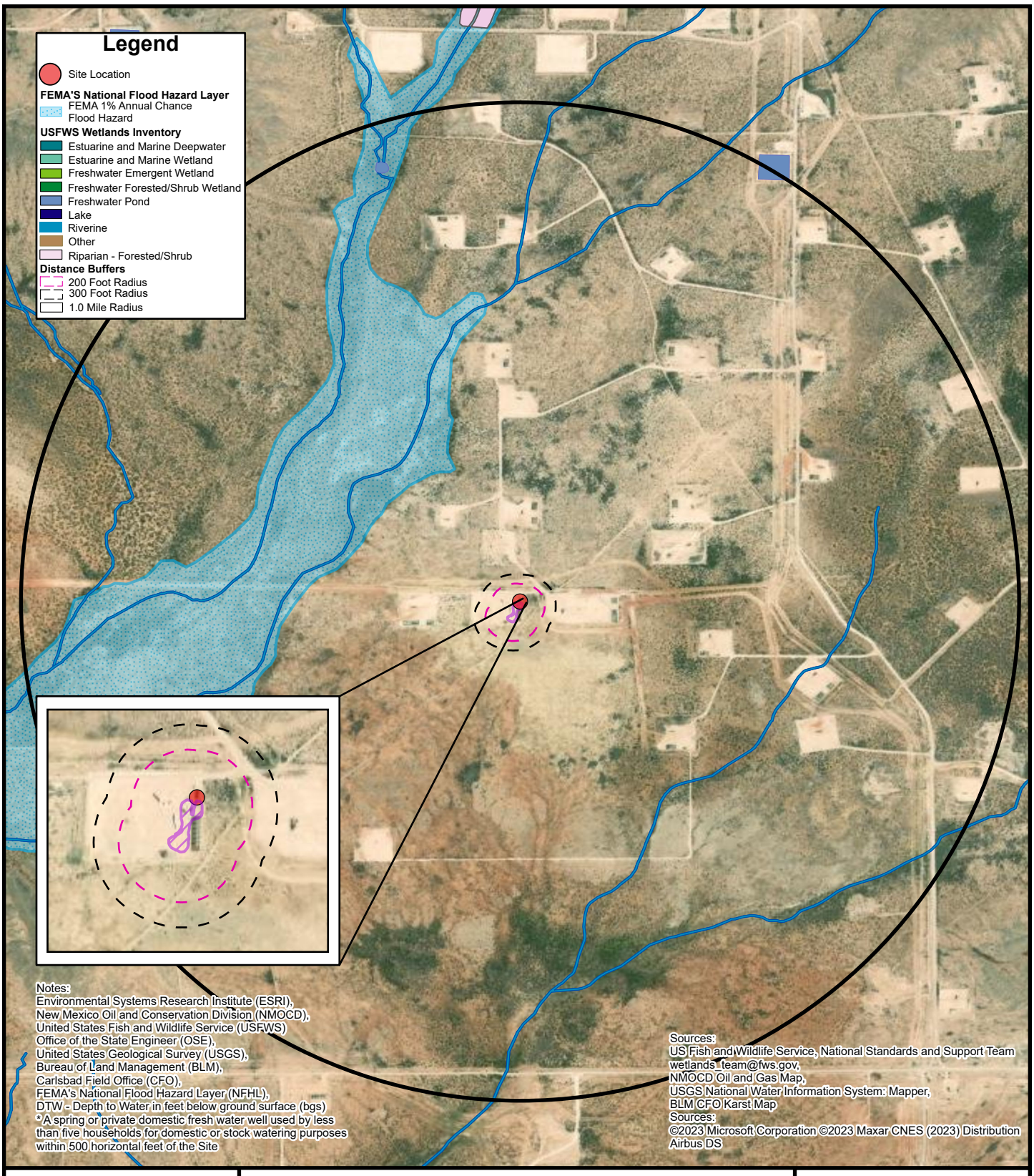
Site Characterization Map

Ground Water

WPX ENERGY PERMIAN, LLC
RDX 28-9H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

0 500 1,000 Feet



eTECH

FIGURE 1B

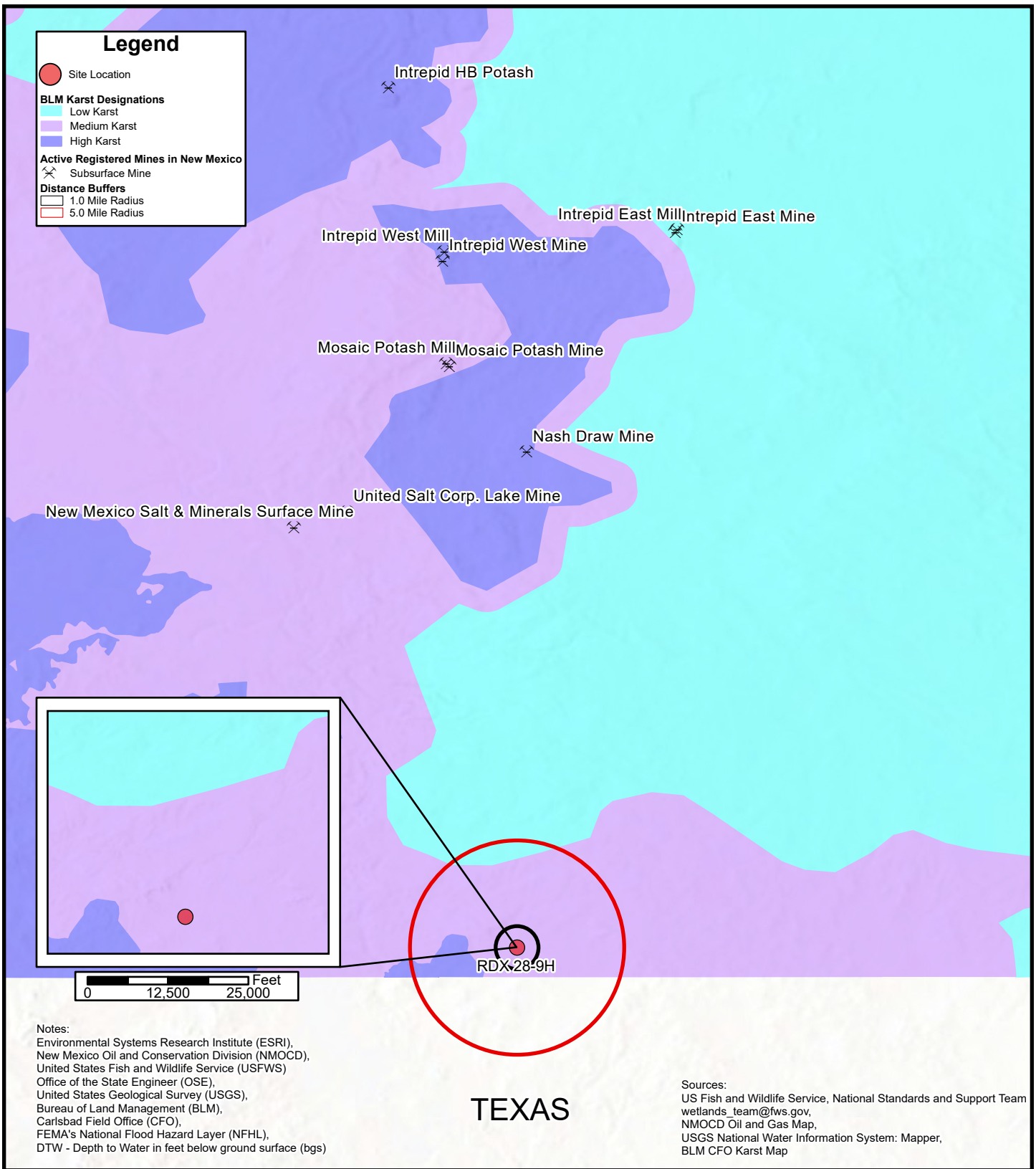
Site Characterization Map

Surficial Receptors

WPX ENERGY PERMIAN, LLC
RDX 28-9H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

0 500 1,000 Feet



Notes:
Environmental Systems Research Institute (ESRI),
New Mexico Oil and Conservation Division (NMOCD),
United States Fish and Wildlife Service (USFWS)
Office of the State Engineer (OSE),
United States Geological Survey (USGS),
Bureau of Land Management (BLM),
Carlsbad Field Office (CFO),
FEMA's National Flood Hazard Layer (NFHL),
DTW - Depth to Water in feet below ground surface (bgs)

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

eTECH

FIGURE 1C

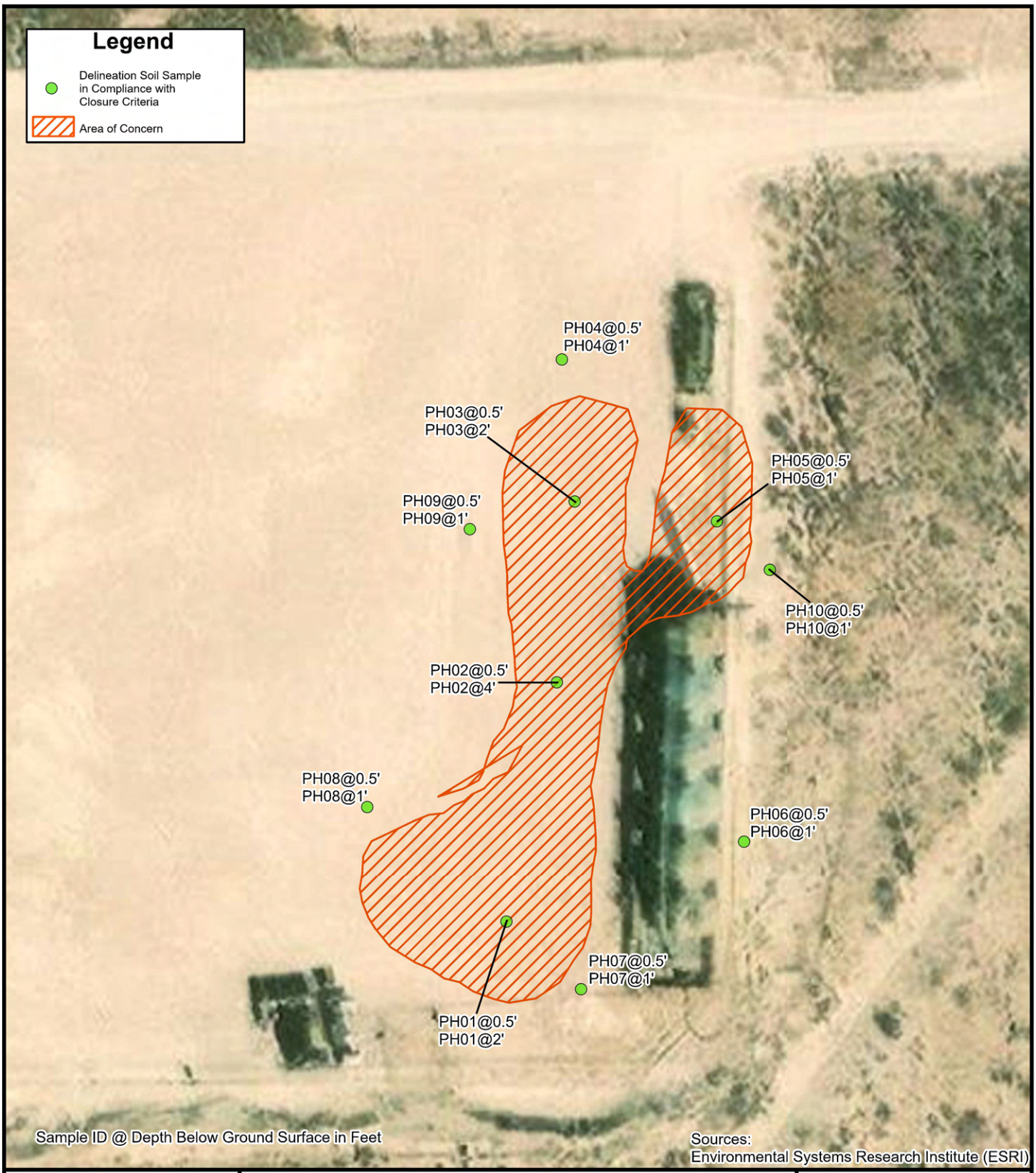
Site Characterization Map

Subsurface Receptors

WPX ENERGY PERMIAN, LLC
RDX 28-9H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

Feet
0
15,000
30,000



eTECH

FIGURE 2

Delineation Soil Sample Locations

WPX ENERGY PERMIAN, LLC
RDX 28-9H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

0 30 60 Feet



FIGURE 3

Future Restoration Area

WPX ENERGY PERMIAN, LLC
RDX 28-9H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

0 30 60 Feet

APPENDIX B

Referenced Well Records

HRL COMPLIANCE SOLUTIONS

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: MW-1		Location: RDX Federal Com 21-43	
Date: 12/9/2020		Client: WPX Energy	
Drilling Method: Air Rotary	Sampling Method: None	Logged By: J. Linn, P.G.	Drilled By: Talon LPE
Gravel Pack Type: 10/20 Sand	Gravel Pack Depth Interval: 3 Bags	Seal Type: None / Seal Depth Interval: None	Latitude: 32.022571
Casing Type: PVC / Diameter: 2-inch / Depth Interval: 0-100 feet bgs		Boring Total Depth (ft. BGS): 110	Longitude: -103.884371
Screen Type: PVC / Slot: 0.010-inch / Diameter: 2-inch / Depth Interval: 100 - 105 ft		Well Total Depth (ft. BGS): 105	Depth to Water (ft. BTOC): > 105 / DTW Date: 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	SP	NS	Pale orange to tan poorly graded fine sand	
5										
10										
15										
20	NM	H	D	N	N	NM	CL	NS	Pale orange/tan/pale red clay, dry, with silt, fine sand, and minor caliche	
25	NM	L	D	N	N	NM	SP	NS	Pale orange to pale red poorly graded fine sand	
30										
35										
40										
45										
50	NM	L	D	N	N	NM	SP	NS	Golden yellow poorly graded fine sand with minor silt and clay	
55										
60										
65	NM	L	D	N	N	NM	SP	NS	Pale orange to pale red poorly graded fine sand with minor silt/clay	
70										
75										
80	NM	M	D	N	N	NM	SC	NS	Buff to orange color fine sand with medium sand and clay	
85										
90										
95	NM	H	D	N	N	NM	CL	NS	Brown orange clay with silt and fine sand	
100	NM	H	D	N	N	NM	SC	NS	Golden yellow and buff colored clay with fine sand - TD Boring: 110' BGS; Sand 110' - 105' BGS	
105										

APPENDIX C

Soil Sampling Logs

eTECH

	Sample Name: PH01	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019601, -103.889602	Hole Diameter: N/A	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-2) SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive
Dry	412	0.1	No	PH01	0.5			
Dry	300	0.1	No		1	1		@ 1 foot, change of color from tan to yellowish
Dry	208	0.2	No	PH01	2	2		

Total Depth

eTECH

	Sample Name: PH02	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019601, -103.889602	Hole Diameter: N/A	Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-2') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive.
Dry	108	0.3	No	PH02	0.5			
Dry	108	0.3	No		1	1		@ 1 foot, change of color from tan to yellowish.
Dry	208	0.4	No		2	2	SP-SM	(2-4') SAND, dry, yellowish, poorly graded, very fine to fine, no stain, no odoor, non-plastic, and noncohesive and some silt.
					3	3		
Dry	180	0.3	No	PH02	4	4		

Total Depth

eTECH

	Sample Name: PH03	Date: 06/22/20233
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019601, -103.889602	Hole Diameter: N/A	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-2') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive
Dry	336	0.7	No	PH03	0.5			
Dry	236	0.5	No		1	1		@ 1 foot, change of color from tan to yellowish
Dry	<108	0.7	No	PH03	2	2		

Total Depth

eTECH

	Sample Name: PH04	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019601, -103.889602	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive.
Dry	<108	0.1	No	PH04	0.5			
Dry	<108	0.1	No	PH04	1	1		@ 1 foot, change of color from tan to brown.

Total Depth

eTECH

	Sample Name: PH05	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019601, -103.889602	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive.
Dry	<108	0.0	No	PH05	0.5			
Dry	<108	0.0	No	PH05	1	1		

Total Depth

eTECH	Sample Name: PH06	Date: 8/8/23
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019601, -103.889602	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive
Dry	<108	0.0	No	PH06	0.5			
Dry	<108	0.0	No	PH06	1	1		

Total Depth

eTECH

	Sample Name: PH07	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019601, -103.889602	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive.
Dry	236	0.0	No	PH07	0.5			
Dry	236	0.0	No	PH07	1	1		

Total Depth

eTECH

	Sample Name: PH08	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019601, -103.889602	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive
Dry	236	0.0	No	PH08	0.5			
Dry	<108	0.1	No	PH08	1	1		

Total Depth

eTECH

	Sample Name: PH09	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019601, -103.889602	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive.
Dry	<108	0.1	No	PH09	0.5			
Dry	<108	0.0	No	PH09	1	1		

Total Depth

eTECH

	Sample Name: PH10	Date: 08/28/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019601, -103.889602	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<108	0.1	No	PH10	0.5	0	SP	(0-1') SAND, dry, tan, poorly graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive.
Dry	<108	0.0	No	PH10	1	1		

Total Depth

APPENDIX D

Photographic Log

PHOTOGRAPHIC LOG

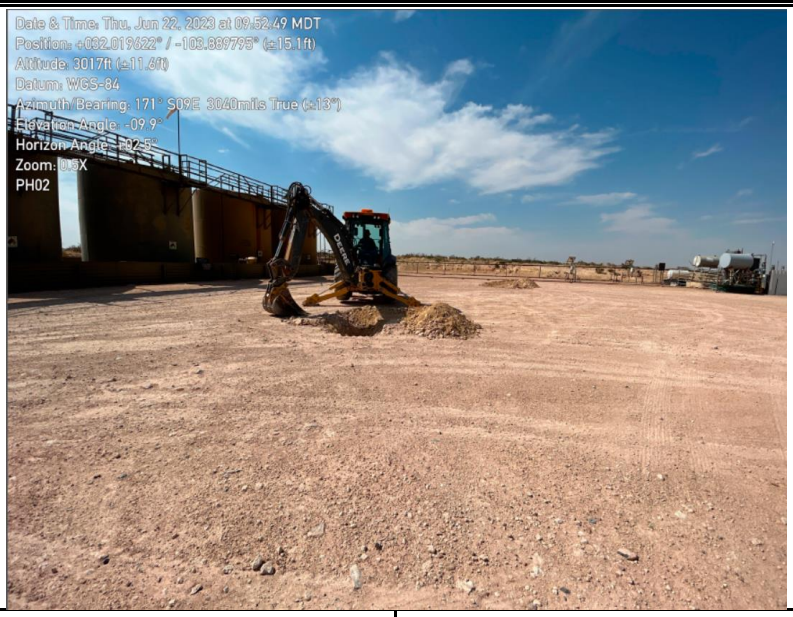
WPX Energy Permian, LLC

RDX 28-9H

Incident Number: nAB1632648516



Photograph 1	**Date: 06/22/2023**
Description: Southwestern view of delineation activities.	



Photograph 2	**Date: 06/22/2023**
Description: Southeastern view of delineation activities.	

PHOTOGRAPHIC LOG

WPX Energy Permian, LLC

RDX 28-9H

Incident Number: nAB1632648516



Photograph 3	**Date: 06/22/2023**
Description: Northeastern view of delineation activities.	



Photograph 4	**Date: 08/18/2023**
Description: Southeastern view of delineation activities.	

APPENDIX E

Tables

eTECH

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX 28-9H
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
Delineation Soil Samples Analytical Results - nAB1632648516										
PH01	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	399
PH01	06/22/2023	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	272
PH02	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	108
PH02	06/22/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	30.2
PH03	06/22/2023	0.5	<0.0250	<0.0500	<20.0	144	69.0	144	213	331
PH03	06/22/2023	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.9
PH04	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	389
PH04	06/22/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	321
PH05	06/22/2023	0.5	<0.0250	<0.0500	<20.0	53.7	58.0	53.7	111.7	<20.0
PH05	06/22/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH06	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH06	06/22/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH07	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	338
PH07	06/22/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	168
PH08	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	260
PH08	06/22/2023	1	<0.0250	<0.0500	<20.0	30.1	<50.0	30.1	30.1	99.6
PH09	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	146
PH09	06/22/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	149
PH10	08/18/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH10	08/18/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

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

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213

Report to:

Joseph Hernandez









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E306194
Job Number:	01058-0007
Received:	6/26/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/29/23

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

Date Reported: 6/29/23

Joseph Hernandez
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E306194
Date Received: 6/26/2023 7:00:00AM

Joseph Hernandez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/26/2023 7:00:00AM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- PH01 0.5’ 5
- PH01 2’ 6
- PH02 0.5’ 7
- PH02 4’ 8
- PH03 0.5’ 9
- PH03 2’ 10

QC Summary Data 11

- QC - Volatile Organics by EPA 8021B 11
- QC - Nonhalogenated Organics by EPA 8015D - GRO 12
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13
- QC - Anions by EPA 300.0/9056A 14

Definitions and Notes 15

Chain of Custody etc. 16

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	06/29/23 14:14

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 0.5'	E306194-01A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH01 2'	E306194-02A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH02 0.5'	E306194-03A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH02 4'	E306194-04A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH03 0.5'	E306194-05A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH03 2'	E306194-06A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

PH01 0.5'

E306194-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Benzene	ND	0.0250	1	06/26/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/28/23	
Toluene	ND	0.0250	1	06/26/23	06/28/23	
o-Xylene	ND	0.0250	1	06/26/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.6 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.6 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326035
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*06/27/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326024
Chloride	**399**	40.0	2	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

PH01 2'

E306194-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Benzene	ND	0.0250	1	06/26/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/28/23	
Toluene	ND	0.0250	1	06/26/23	06/28/23	
o-Xylene	ND	0.0250	1	06/26/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.7 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.2 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326035
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
Surrogate: n-Nonane		*96.4 %*	*50-200*	*06/27/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326024
Chloride	**272**	100	5	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

PH02 0.5'

E306194-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Benzene	ND	0.0250	1	06/26/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/28/23	
Toluene	ND	0.0250	1	06/26/23	06/28/23	
o-Xylene	ND	0.0250	1	06/26/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326035
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*06/27/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326024
Chloride	**108**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

PH02 4'

E306194-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Benzene	ND	0.0250	1	06/26/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/28/23	
Toluene	ND	0.0250	1	06/26/23	06/28/23	
o-Xylene	ND	0.0250	1	06/26/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.6 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326035
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
Surrogate: n-Nonane		*96.6 %*	*50-200*	*06/27/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326024
Chloride	**30.2**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

PH03 0.5'

E306194-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Benzene	ND	0.0250	1	06/26/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/28/23	
Toluene	ND	0.0250	1	06/26/23	06/28/23	
o-Xylene	ND	0.0250	1	06/26/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.3 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326035
Diesel Range Organics (C10-C28)	**144**	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	**69.0**	50.0	1	06/27/23	06/28/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*06/27/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326024
Chloride	**331**	40.0	2	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

PH03 2'

E306194-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Benzene	ND	0.0250	1	06/26/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/28/23	
Toluene	ND	0.0250	1	06/26/23	06/28/23	
o-Xylene	ND	0.0250	1	06/26/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.6 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.4 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326035
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*06/27/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326024
Chloride	**25.9**	20.0	1	06/27/23	06/27/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326011-BLK1)									Prepared: 06/26/23 Analyzed: 06/28/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.66*		*8.00*		*95.8*	*70-130*			
LCS (2326011-BS1)									Prepared: 06/26/23 Analyzed: 06/28/23
Benzene	4.94	0.0250	5.00		98.8	70-130			
Ethylbenzene	4.76	0.0250	5.00		95.2	70-130			
Toluene	4.94	0.0250	5.00		98.7	70-130			
o-Xylene	4.88	0.0250	5.00		97.7	70-130			
p,m-Xylene	9.84	0.0500	10.0		98.4	70-130			
Total Xylenes	14.7	0.0250	15.0		98.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.66*		*8.00*		*95.8*	*70-130*			
Matrix Spike (2326011-MS1)				**Source: E306194-04**					Prepared: 06/26/23 Analyzed: 06/28/23
Benzene	5.01	0.0250	5.00	ND	100	54-133			
Ethylbenzene	4.84	0.0250	5.00	ND	96.8	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	4.97	0.0250	5.00	ND	99.3	63-131			
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	99.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.8*	*70-130*			
Matrix Spike Dup (2326011-MSD1)				**Source: E306194-04**					Prepared: 06/26/23 Analyzed: 06/28/23
Benzene	4.92	0.0250	5.00	ND	98.4	54-133	1.74	20	
Ethylbenzene	4.76	0.0250	5.00	ND	95.2	61-133	1.66	20	
Toluene	4.93	0.0250	5.00	ND	98.6	61-130	1.57	20	
o-Xylene	4.89	0.0250	5.00	ND	97.9	63-131	1.50	20	
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	63-131	1.62	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.2	63-131	1.58	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.67*		*8.00*		*95.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326011-BLK1)									Prepared: 06/26/23 Analyzed: 06/28/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.97*		*8.00*		*87.1*	*70-130*			
LCS (2326011-BS2)									Prepared: 06/26/23 Analyzed: 06/28/23
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.01*		*8.00*		*87.7*	*70-130*			
Matrix Spike (2326011-MS2)				**Source: E306194-04**					Prepared: 06/26/23 Analyzed: 06/28/23
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.05*		*8.00*		*88.1*	*70-130*			
Matrix Spike Dup (2326011-MSD2)				**Source: E306194-04**					Prepared: 06/26/23 Analyzed: 06/28/23
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.2	70-130	0.798	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.03*		*8.00*		*87.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326035-BLK1)									Prepared: 06/27/23 Analyzed: 06/27/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.4*		*50.0*		*107*	*50-200*			
LCS (2326035-BS1)									Prepared: 06/27/23 Analyzed: 06/27/23
Diesel Range Organics (C10-C28)	281	25.0	250		113	38-132			
Surrogate: n-Nonane	*49.6*		*50.0*		*99.2*	*50-200*			
Matrix Spike (2326035-MS1)				**Source: E306208-03**					Prepared: 06/27/23 Analyzed: 06/27/23
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*50-200*			
Matrix Spike Dup (2326035-MSD1)				**Source: E306208-03**					Prepared: 06/27/23 Analyzed: 06/27/23
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	38-132	3.06	20	
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326024-BLK1)									Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	ND	20.0							
LCS (2326024-BS1)									Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	246	20.0	250		98.3	90-110			
Matrix Spike (2326024-MS1)				**Source: E306194-01**					Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	650	40.0	250	399	101	80-120			
Matrix Spike Dup (2326024-MSD1)				**Source: E306194-01**					Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	687	40.0	250	399	115	80-120	5.42	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	06/29/23 14:14

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Client: WPX Energy Permian LLC.	Bill To	Lab Use Only	TAT / EPA Program
Project: RDX FEDERAL COM 28 #009H	Attention: Jim Raley	Lab WO# E1630194	Job Number 01058-0007
Project Manager: Joseph Hernandez	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 day TAT; CWA SDWA RCRA
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: (281) 702-2329	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WO: 21181898		
Collected by: Edyte Konan	Incident ID: nAB1632648516		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
9:00	6/22/2023	S	1	PH01	1	0.5'								X				
9:10	6/22/2023	S	1	PH01	2	2'								X				
9:20	6/22/2023	S	1	PH02	3	0.5'								X				
9:30	6/22/2023	S	1	PH02	4	4'								X				
9:40	6/22/2023	S	1	PH03	5	0.5'								X				
9:50	6/22/2023	S	1	PH03	6	2'								X				

Additional Instructions:

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:

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
Edyte Konan	06/23/2023	1145	Michelle R Gonzales	06-23-23	1145
Michelle R Gonzales	06-23-23	1645		6.26.23	7:00

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
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

Envirotech Analytical Laboratory

Printed: 6/26/2023 2:49:02PM

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:	WPX Energy - Carlsbad	Date Received:	06/26/23 07:00	Work Order ID:	E306194
Phone:	(539) 573-4018	Date Logged In:	06/26/23 08:02	Logged In By:	Alexa Michaels
Email:	jhernandez@ensolum.com	Due Date:	06/30/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Joseph Hernandez









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E306198
Job Number:	01058-0007
Received:	6/26/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/30/23

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

Date Reported: 6/30/23

Joseph Hernandez
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E306198
Date Received: 6/26/2023 7:00:00AM

Joseph Hernandez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/26/2023 7:00:00AM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- PH04 0.5’ 5
- PH04 1’ 6
- PH05 0.5’ 7
- PH05 1’ 8
- PH06 0.5’ 9
- PH06 1’ 10
- PH07 0.5’ 11
- PH07 1’ 12
- PH08 0.5’ 13
- PH08 1’ 14
- PH09 0.5’ 15
- PH09 1’ 16

QC Summary Data 17

- QC - Volatile Organic Compounds by EPA 8260B 17
- QC - Nonhalogenated Organics by EPA 8015D - GRO 18
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 19
- QC - Anions by EPA 300.0/9056A 20

Definitions and Notes 21

Chain of Custody etc. 22

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	06/30/23 11:29

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH04 0.5'	E306198-01A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH04 1'	E306198-02A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH05 0.5'	E306198-03A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH05 1'	E306198-04A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH06 0.5'	E306198-05A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH06 1'	E306198-06A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH07 0.5'	E306198-07A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH07 1'	E306198-08A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH08 0.5'	E306198-09A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH08 1'	E306198-10A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH09 0.5'	E306198-11A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH09 1'	E306198-12A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH04 0.5'

E306198-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*87.7 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**389**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH04 1'

E306198-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*87.7 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**321**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH05 0.5'

E306198-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	**53.7**	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	**58.0**	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*86.8 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	ND	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH05 1'

E306198-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*89.2 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	ND	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH06 0.5'

E306198-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*89.1 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	ND	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH06 1'

E306198-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*92.1 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	ND	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH07 0.5'

E306198-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*90.2 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**338**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH07 1'

E306198-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/29/23	
Surrogate: n-Nonane		*92.9 %*	*50-200*	*06/28/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**168**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH08 0.5'

E306198-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/29/23	
Surrogate: n-Nonane		*85.7 %*	*50-200*	*06/28/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**260**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH08 1'

E306198-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	**30.1**	25.0	1	06/28/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/29/23	
Surrogate: n-Nonane		*86.4 %*	*50-200*	*06/28/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**99.6**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH09 0.5'

E306198-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/29/23	
Surrogate: n-Nonane		*89.7 %*	*50-200*	*06/28/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**146**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH09 1'

E306198-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/29/23	
Surrogate: n-Nonane		*93.1 %*	*50-200*	*06/28/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**149**	20.0	1	06/27/23	06/27/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

Volatile Organic Compounds by EPA 8260B

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 (2326013-BLK1)									Prepared: 06/26/23 Analyzed: 06/27/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.488*		*0.500*		*97.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			
LCS (2326013-BS1)									Prepared: 06/26/23 Analyzed: 06/27/23
Benzene	2.56	0.0250	2.50		102	70-130			
Ethylbenzene	2.49	0.0250	2.50		99.6	70-130			
Toluene	2.53	0.0250	2.50		101	70-130			
o-Xylene	2.57	0.0250	2.50		103	70-130			
p,m-Xylene	5.09	0.0500	5.00		102	70-130			
Total Xylenes	7.66	0.0250	7.50		102	70-130			
Surrogate: Bromofluorobenzene	*0.475*		*0.500*		*94.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.470*		*0.500*		*94.0*	*70-130*			
Surrogate: Toluene-d8	*0.507*		*0.500*		*101*	*70-130*			
Matrix Spike (2326013-MS1)				**Source: E306198-01**					Prepared: 06/26/23 Analyzed: 06/27/23
Benzene	2.56	0.0250	2.50	ND	102	48-131			
Ethylbenzene	2.51	0.0250	2.50	ND	101	45-135			
Toluene	2.57	0.0250	2.50	ND	103	48-130			
o-Xylene	2.56	0.0250	2.50	ND	102	43-135			
p,m-Xylene	5.10	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.67	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	*0.475*		*0.500*		*95.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2326013-MSD1)				**Source: E306198-01**					Prepared: 06/26/23 Analyzed: 06/27/23
Benzene	2.53	0.0250	2.50	ND	101	48-131	1.16	23	
Ethylbenzene	2.48	0.0250	2.50	ND	99.1	45-135	1.50	27	
Toluene	2.53	0.0250	2.50	ND	101	48-130	1.22	24	
o-Xylene	2.56	0.0250	2.50	ND	102	43-135	0.0390	27	
p,m-Xylene	5.11	0.0500	5.00	ND	102	43-135	0.0685	27	
Total Xylenes	7.67	0.0250	7.50	ND	102	43-135	0.0326	27	
Surrogate: Bromofluorobenzene	*0.487*		*0.500*		*97.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.5*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326013-BLK1)									Prepared: 06/26/23 Analyzed: 06/27/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.488*		*0.500*		*97.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			
LCS (2326013-BS2)									Prepared: 06/26/23 Analyzed: 06/27/23
Gasoline Range Organics (C6-C10)	62.8	20.0	50.0		126	70-130			
Surrogate: Bromofluorobenzene	*0.517*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.2*	*70-130*			
Surrogate: Toluene-d8	*0.532*		*0.500*		*106*	*70-130*			
Matrix Spike (2326013-MS2)				**Source: E306198-01**					Prepared: 06/26/23 Analyzed: 06/27/23
Gasoline Range Organics (C6-C10)	60.2	20.0	50.0	ND	120	70-130			
Surrogate: Bromofluorobenzene	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.8*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			
Matrix Spike Dup (2326013-MSD2)				**Source: E306198-01**					Prepared: 06/26/23 Analyzed: 06/27/23
Gasoline Range Organics (C6-C10)	58.4	20.0	50.0	ND	117	70-130	3.13	20	
Surrogate: Bromofluorobenzene	*0.497*		*0.500*		*99.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.3*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326038-BLK1)									Prepared: 06/28/23 Analyzed: 06/28/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*42.9*		*50.0*		*85.8*	*50-200*			
LCS (2326038-BS1)									Prepared: 06/28/23 Analyzed: 06/28/23
Diesel Range Organics (C10-C28)	250	25.0	250		99.9	38-132			
Surrogate: n-Nonane	*42.4*		*50.0*		*84.8*	*50-200*			
Matrix Spike (2326038-MS1)				**Source: E306198-09**					Prepared: 06/28/23 Analyzed: 06/28/23
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132			
Surrogate: n-Nonane	*42.7*		*50.0*		*85.5*	*50-200*			
Matrix Spike Dup (2326038-MSD1)				**Source: E306198-09**					Prepared: 06/28/23 Analyzed: 06/28/23
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132	2.08	20	
Surrogate: n-Nonane	*42.5*		*50.0*		*84.9*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326022-BLK1)									Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	ND	20.0							
LCS (2326022-BS1)									Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	264	20.0	250		105	90-110			
Matrix Spike (2326022-MS1)				**Source: E306198-01**					Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	690	20.0	250	389	120	80-120			
Matrix Spike Dup (2326022-MSD1)				**Source: E306198-01**					Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	670	20.0	250	389	112	80-120	3.00	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	06/30/23 11:29

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Client: WPX Energy Permian LLC.	Bill To	Lab Use Only	TAT / EPA Program
Project: RDX FEDERAL COM 28 #009H	Attention: Jim Raley	Lab WO# E30l198	Job Number 01058-0007
Project Manager: Joseph Hernandez	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		EPA Program: CWA SDWA RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: (281) 702-2329	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WO: 21181898		
Collected by: Edyte Konan	Incident ID: nAB1632648516		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	TGDOC TX	Remarks
10:00	6/22/2023	S	1	PH04	1	0.5'						X		
10:10	6/22/2023	S	1	PH04	2	1'						X		
10:20	6/22/2023	S	1	PH05	3	0.5'						X		
10:30	6/22/2023	S	1	PH05	4	1'						X		
10:40	6/22/2023	S	1	PH06	5	0.5'						X		
10:50	6/22/2023	S	1	PH06	6	1'						X		
11:00	6/22/2023	S	1	PH07	7	0.5'						X		
11:10	6/22/2023	S	1	PH07	8	1'						X		
11:20	6/22/2023	S	1	PH08	9	0.5'						X		
11:30	6/22/2023	S	1	PH08	10	1'						X		

Additional Instructions:

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: _____

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
Edyte Konan	06/23/2023	1145	Michelle R Gonzales	06-23-23	1145
Michelle R Gonzales	06-23-23	1645		6-23-23	7:00

Lab Use Only
Received on ice: (Y) N
T1 _____ T2 _____ T3 _____
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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

| | | |

Envirotech Analytical Laboratory

Printed: 6/26/2023 2:56:40PM

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:	WPX Energy - Carlsbad	Date Received:	06/26/23 07:00	Work Order ID:	E306198
Phone:	(539) 573-4018	Date Logged In:	06/26/23 08:12	Logged In By:	Alexa Michaels
Email:	jhernandez@ensolum.com	Due Date:	06/30/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E308152
Job Number:	01058-0007
Received:	8/18/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/25/23

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

Date Reported: 8/25/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E308152
Date Received: 8/18/2023 1:50:00PM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/18/2023 1:50:00PM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Alexa Michaels
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Office: 505-632-1881
labadmin@envirotech-inc.com

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West Texas Midland/Odessa Area
Rayny Hagan
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Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

PH10 0.5’ 5

PH10 1’ 6

QC Summary Data 7

QC - Volatile Organic Compounds by EPA 8260B 7

QC - Nonhalogenated Organics by EPA 8015D - GRO 8

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 9

QC - Anions by EPA 300.0/9056A 10

Definitions and Notes 11

Chain of Custody etc. 12

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	08/25/23 10:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH10 0.5'	E308152-01A	Soil	08/18/23	08/18/23	Glass Jar, 2 oz.
PH10 1'	E308152-02A	Soil	08/18/23	08/18/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/25/2023 10:13:47AM

PH10 0.5'

E308152-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2334015
Benzene	ND	0.0250	1	08/21/23	08/23/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/23/23	
Toluene	ND	0.0250	1	08/21/23	08/23/23	
o-Xylene	ND	0.0250	1	08/21/23	08/23/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/23/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/23/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/21/23*	*08/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2334015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/23/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/21/23*	*08/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2334035
Diesel Range Organics (C10-C28)	ND	25.0	1	08/22/23	08/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/22/23	08/23/23	
Surrogate: n-Nonane		*87.1 %*	*50-200*	*08/22/23*	*08/23/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2334023
Chloride	ND	20.0	1	08/22/23	08/23/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/25/2023 10:13:47AM

PH10 1'

E308152-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2334015
Benzene	ND	0.0250	1	08/21/23	08/23/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/23/23	
Toluene	ND	0.0250	1	08/21/23	08/23/23	
o-Xylene	ND	0.0250	1	08/21/23	08/23/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/23/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/23/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*08/21/23*	*08/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2334015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/23/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*08/21/23*	*08/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2334035
Diesel Range Organics (C10-C28)	ND	25.0	1	08/22/23	08/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/22/23	08/23/23	
Surrogate: n-Nonane		*86.3 %*	*50-200*	*08/22/23*	*08/23/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2334023
Chloride	ND	20.0	1	08/22/23	08/23/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/25/2023 10:13:47AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2334015-BLK1)									Prepared: 08/21/23 Analyzed: 08/23/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
LCS (2334015-BS1)									Prepared: 08/21/23 Analyzed: 08/23/23
Benzene	2.84	0.0250	2.50		114	70-130			
Ethylbenzene	2.61	0.0250	2.50		104	70-130			
Toluene	2.73	0.0250	2.50		109	70-130			
o-Xylene	2.77	0.0250	2.50		111	70-130			
p,m-Xylene	5.41	0.0500	5.00		108	70-130			
Total Xylenes	8.18	0.0250	7.50		109	70-130			
Surrogate: Bromofluorobenzene	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.497*		*0.500*		*99.3*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			
Matrix Spike (2334015-MS1)				**Source: E308149-03**					Prepared: 08/21/23 Analyzed: 08/23/23
Benzene	2.71	0.0250	2.50	ND	108	48-131			
Ethylbenzene	2.47	0.0250	2.50	ND	98.6	45-135			
Toluene	2.55	0.0250	2.50	ND	102	48-130			
o-Xylene	2.60	0.0250	2.50	ND	104	43-135			
p,m-Xylene	5.09	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.69	0.0250	7.50	ND	103	43-135			
Surrogate: Bromofluorobenzene	*0.526*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.489*		*0.500*		*97.8*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2334015-MSD1)				**Source: E308149-03**					Prepared: 08/21/23 Analyzed: 08/23/23
Benzene	2.70	0.0250	2.50	ND	108	48-131	0.203	23	
Ethylbenzene	2.49	0.0250	2.50	ND	99.7	45-135	1.07	27	
Toluene	2.57	0.0250	2.50	ND	103	48-130	0.780	24	
o-Xylene	2.64	0.0250	2.50	ND	106	43-135	1.54	27	
p,m-Xylene	5.19	0.0500	5.00	ND	104	43-135	2.01	27	
Total Xylenes	7.84	0.0250	7.50	ND	104	43-135	1.85	27	
Surrogate: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.1*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/25/2023 10:13:47AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2334015-BLK1)									Prepared: 08/21/23 Analyzed: 08/23/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
LCS (2334015-BS2)									Prepared: 08/21/23 Analyzed: 08/23/23
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	*0.522*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.2*	*70-130*			
Surrogate: Toluene-d8	*0.520*		*0.500*		*104*	*70-130*			
Matrix Spike (2334015-MS2)				**Source: E308149-03**					Prepared: 08/21/23 Analyzed: 08/23/23
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	*0.513*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.3*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			
Matrix Spike Dup (2334015-MSD2)				**Source: E308149-03**					Prepared: 08/21/23 Analyzed: 08/23/23
Gasoline Range Organics (C6-C10)	57.6	20.0	50.0	ND	115	70-130	6.19	20	
Surrogate: Bromofluorobenzene	*0.513*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.527*		*0.500*		*105*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/25/2023 10:13:47AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2334035-BLK1)									Prepared: 08/22/23 Analyzed: 08/23/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.2*		*50.0*		*108*	*50-200*			
LCS (2334035-BS1)									Prepared: 08/22/23 Analyzed: 08/23/23
Diesel Range Organics (C10-C28)	243	25.0	250		97.2	38-132			
Surrogate: n-Nonane	*42.3*		*50.0*		*84.6*	*50-200*			
Matrix Spike (2334035-MS1)				**Source: E308150-01**					Prepared: 08/22/23 Analyzed: 08/23/23
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.3	38-132			
Surrogate: n-Nonane	*40.5*		*50.0*		*80.9*	*50-200*			
Matrix Spike Dup (2334035-MSD1)				**Source: E308150-01**					Prepared: 08/22/23 Analyzed: 08/23/23
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.6	38-132	0.302	20	
Surrogate: n-Nonane	*38.3*		*50.0*		*76.7*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/25/2023 10:13:47AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2334023-BLK1)									Prepared: 08/22/23 Analyzed: 08/23/23
Chloride	ND	20.0							
LCS (2334023-BS1)									Prepared: 08/22/23 Analyzed: 08/23/23
Chloride	249	20.0	250		99.8	90-110			
Matrix Spike (2334023-MS1)				**Source: E308148-01**					Prepared: 08/22/23 Analyzed: 08/23/23
Chloride	304	20.0	250	52.3	101	80-120			
Matrix Spike Dup (2334023-MSD1)				**Source: E308148-01**					Prepared: 08/22/23 Analyzed: 08/23/23
Chloride	300	20.0	250	52.3	99.3	80-120	1.19	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	08/25/23 10:13

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Client: WPX Energy Permian LLC.	Bill To	Lab Use Only		TAT				EPA Program	
Project: RDX FEDERAL COM 28 #009H	Attention: Jim Raley	Lab WO# E308152	Job Number 01058-0007	1D	2D	3D	Standard	CWA	SDWA
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.						5 day TAT		
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220	Analysis and Method							RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502								
Phone: (832)541-7719	Email: jim.raley@dvn.com							State	
Email: Devon-team@etechenv.com	WO: 21181898							NM CO UT AZ TX	
Collected by: Edyte Konan	Incident ID: nAB1632648516								

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
9:10	8/18/2023	S	1	PH10	1	0.5'								X				
9:20	8/18/2023	S	1	PH10	2	1'								X				

Additional Instructions:

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:

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
[signature]	08/18/23	14:00	[signature]	8/18/23	1350
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: Y / N
T1 T2 T3
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

Envirotech Analytical Laboratory

Printed: 8/21/2023 10:50:09AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	08/18/23 13:50	Work Order ID:	E308152
Phone:	(539) 573-4018	Date Logged In:	08/21/23 09:19	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	08/25/23 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

APPENDIX G

NMOCD Notifications

Erick Herrera

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Friday, June 16, 2023 3:37 PM
To: Erick Herrera
Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Subject: RE: [EXTERNAL] WPX Site Sampling Activity Update (6/20 - 6/23)

Erick,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http:// **www.emnrd.nm.gov**

From: Erick Herrera <erick@etechenv.com>
Sent: Thursday, June 15, 2023 3:14 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov
Cc: Raley, Jim <jim.raley@dvn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] WPX Site Sampling Activity Update (6/20 - 6/23)

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

WPX anticipates conducting confirmation soil sampling activities at the following sites between June 20 – June 23, 2023:

Site Name: North Brushy PW Line
Incident Numbers: nAPP2231126594 & nAPP2312845934

Site Name: RDX 9#004
Incident Number: nAB1803254347
API: 30-015-40180

Site Name: RDX Federal COM 28 #009H
Incident Number: nAB1632648516
API: 30-015-43294

Site Name: Holly A Federal #006

Incident Number: nAPP2116548791
API: 30-015-25331

Site Name: Ross Draw #012
Incident Numbers: nHMP1407235518 and nAPP2315142829
API: 30-015-24793

Thank you,

Erick Herrera
Staff Geologist

eTECH Environmental & Safety Solutions, Inc.

Work: (432) 305-6416
Cell: (281) 777-4152

Erick Herrera

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, August 11, 2023 11:06 AM
To: Erick Herrera
Cc: Bratcher, Michael, EMNRD; Maxwell, Ashley, EMNRD
Subject: RE: [EXTERNAL] WPX Site Sampling Activity Update (8/16 - 8/18)

Good morning Erick,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

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

From: Erick Herrera <erick@etechenv.com>
Sent: Friday, August 11, 2023 9:33 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov
Cc: Raley, Jim <jim.raley@dvn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] WPX Site Sampling Activity Update (8/16 - 8/18)

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

Good morning,

WPX anticipates conducting confirmation soil sampling activities at the following sites between August 16th through August 18th, 2023:

Proposed Date: August 16, 2023, August 17, 2023, August 18, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: RDX 17-14
Incident Number: nAB1504834000
API: 30-015-39845

Proposed Date: August 16, 2023, August 17, 2023, August 18, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: RDX 28 #009H
Incident Number: nAB1632648516
API: 30-015-43294

Thank you,

Erick Herrera
Staff Geologist

Environmental & Safety Solutions, Inc.

Work: (432) 305-6416
Cell: (281) 777-4152

APPENDIX H

Denied Closure Request Report

NM OIL CONSERVATION
ARTESIA DISTRICT
NOV 17 2016
RECEIVED

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

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nAB1632648516

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company WPX Energy Inc/RKI 246289	Contact Karolina Blaney
Address 5315 Buena Vista Dr.	Telephone No. 970 589 0743
Facility Name: RDX 28-9H	Facility Type: Well Pad

Surface Owner: Federal	Mineral Owner: Federal	API No. 30- 015-43294

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	28	26S	30E	360	FNL	1345	FWL	Eddy

Latitude: 32.030564 N **Longitude:** -103.8912511 W

NATURE OF RELEASE

Type of Release. Produced Water and Oil	Volume of Release: 85 Bbls	Volume Recovered: 75 Bbls
Source of Release Vapor Recovery Unit	Date and Hour of Occurrence 11/4/2016	Date and Hour of Discovery 11/4/2016 – 8:30 hrs MT
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? NMOCD Heather Patterson & Michael Bratcher, BLM Shelly Tucker	
By Whom? Karolina Blaney	Date and Hour: 11/05/16– 11:13 hrs MT	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.* N/A

Describe Cause of Problem and Remedial Action Taken.*

The cause of this spill is mechanical failure. The dump on the separator was not functioning properly and sent water to the vapor recovery tower (VRT) causing the filtration system on the vapor recovery unit (VRU) to clog with debris. A pressure relief valve (PRV) on the VRU popped off allowing oil and water to spill on location. The spill has not left the pad.

Describe Area Affected and Cleanup Action Taken.*

Vacuum trucks were dispatched to the location; approximately 15 bbls of water and 60 bbls oil were recovered from the pad's surface.
The impacted area was mapped with Trimble. The impacted areas will be sampled for BTEX, TPH, and chlorides in accordance with NM OCD Guidelines for Remediation of Leaks, Spills, and Releases. Further remediation will be based on the delineation results.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Karolina Blaney	OIL CONSERVATION DIVISION Signed By Approved by Environmental Specialist:
Printed Name: Karolina Blaney	
Title: Environmental Specialist	Approval Date: 11/21/16 Expiration Date: N/A
E-mail Address: Karolina.blaney@wpxenergy.com	Conditions of Approval: Attached ☑
Date: 11/17/2016 Phone: 970-589-0743	

* Attach Additional Sheets If Necessary

2RP-4002

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

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAB1632648516
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: WPX Energy Permian, LLC	OGRID: 246289
Contact Name: Jim Raley	Contact Telephone: 575-689-7597
Contact email: Jim.Raley@dvn.com	Incident # *(assigned by OCD)*: nAB1632648516
Contact mailing address: 5315 Buena Vista Drive, Carlsbad NM	

Location of Release Source

Latitude 32.019929 Longitude -103.889575
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: RDX 28-9H	Site Type: Well Pad
Date Release Discovered: 11/04/2016	API# *(if applicable)*: 30-015-43294

Unit Letter	Section	Township	Range	County
C	28	26S	30E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☒ Crude Oil/ Produced Water	Volume Released (bbls): 85	Volume Recovered (bbls): 75
☐ Produced Water	Volume Released (bbls):	Volume Recovered (bbls):
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: The cause of this spill is mechanical failure. The dump on the separator was not functioning properly and sent water to the vapor recovery tower (VRT) causing the filtration system on the vapor recovery unit (VRU) to clog with debris. A pressure relief valve (PRV) on the VRU popped off allowing oil and water to spill on location. The spill has not left the pad.

$$bbl\ estimate = \frac{saturated\ soil\ volume\ (ft^3)}{4.21\ (\frac{ft^3}{bbl\ equivalent})} * estimated\ porosity\ (\%) + recovered\ fluids\ (bbl)$$

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAB1632648516
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? The release volume exceeded 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes , The immediate notice was sent by Karolina Blaney to NMOCD Heather Patterson & Michael Bratcher, BLM Shelly Tucker on November 5th 2016 at 11:13 hrs MT via email.	

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.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Jim Raley Title: Environmental Professional

Signature: Jim Raley Date: 9/27/2023

email: Jim.Raley@dvn.com Telephone: 575-689-7597

OCD Only

Received by: Date:

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nAB1632648516
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAB1632648516
District RP	
Facility ID	
Application ID	

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

Printed Name: Jim Raley Title: Environmental Professional

Signature: Jim Raley Date: 9/27/2023

email: Jim.Raley@dvn.com Telephone: 575-689-7597

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAB1632648516
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Jim Raley Title: Environmental Professional

Signature: Jim Raley Date: 9/27/2023

email: Jim.Raley@dvn.com Telephone: 575-689-7597

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Environmental & Safety Solutions, Inc.

CLOSURE REQUEST REPORT

RDX 28-9H

Eddy County, New Mexico

Incident Number nAB1632648516

Prepared For:

WPX Energy Permian, LLC

5315 Buena Vista Dr.

Carlsbad, NM 88220

Carlsbad ● Midland ● San Antonio ● Lubbock ● Hobbs ● Lafayette

SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of WPX Energy Permian, LLC (WPX), presents the following Closure Request Report (CRR) to document site assessment and soil sampling activities performed for an inadvertent release of crude oil and produced water at the RDX 28-9H (Site) (**Figure 1** in **Appendix A**). Based on the Site review and laboratory analytical results from soil sampling events, WPX is requesting No Further Action (NFA) at the Site.

SITE LOCATION AND RELEASE BACKGROUND

On November 4, 2016, a mechanical malfunction of the separator caused the release of approximately 85 barrels (bbls) of a crude oil and produced water mixture onto the surface of the production well pad. Vacuum trucks were dispatched to the Site and recovered approximately 75 bbls of fluids. All fluids were reported to be contained to the well pad. WPX reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification and Corrective Action Form C-141 (Form C-141), on November 17, 2016, and was subsequently assigned Incident Number nAB1632648516. **Figure 2** in **Appendix A** depicts the observed release footprint, hereafter referred to as the Area of Concern (AOC).

The well pad (API 30-015-43294) for this Site is located in Unit C, Section 28, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.030564°, -103.8912511°) as provided in the initial Form C-141 and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

The separator, where the release occurred, is located in the northeastern corner of the well pad (32.019929°, -103.889575°). The updated coordinates are provided on the Final Form C-141.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Based on the desktop review for the Site according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

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

Depth to ground water at the Site is estimated to be greater than 100 feet below ground surface (bgs), based off a nearby soil boring advanced by Talon LPE on behalf of WPX, located approximately 0.34 miles north of the Site on the RDX Federal Com 21-43 well pad. Soil boring (MW-1) was advanced on December 9, 2020, via a truck mounted drill rig equipped with a hollow stem auger to a total depth of 105 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. The location of the soil boring is depicted on **Figure 1 in Appendix A**. Following the observation period, the boring was plugged and abandoned according to the appropriate regulations. The well log for the referenced soil boring is provided in **Appendix B**.

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

Based on the results from the desktop review and regional depth to groundwater at the Site, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria†
Chloride	Environmental Protection Agency (EPA) 300.0	20,000 milligram per kilogram (mg/kg)
TPH (Total Petroleum Hydrocarbon)	EPA 8015 M/D	2,500 mg/kg
Gasoline Range Organics (GRO) + Diesel Range Organics (DRO)	EPA 8015 M/D	1,000 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B	50 mg/kg

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

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

From June 22, 2023, to August 18, 2023, Etech conducted site assessment and delineation activities to characterize the subject release by verifying the presence or absence of impacted soil. Ten delineation potholes (PH01 through PH10) were advanced via mechanical equipment and/or hand auger to assess the lateral and vertical extents of the AOC. Four delineation potholes (PH01 through PH03, and PH05) were advanced within the AOC, and six delineation potholes (PH04 and PH06 through PH10) were advanced in every cardinal direction surrounding the AOC. Delineation activities were driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. A total of two samples were collected from each delineation soil sample location, representing the highest observed field screening concentrations and the greatest depth. Field screening results and soil descriptions are included on soil sampling logs shown in **Appendix C**. The locations of the delineation soil samples are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix D**.

The delineation soil samples were placed directly into lab provided pre-cleaned jars, packed with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures, to Envirotech Laboratories (Envirotech) in Farmington, New Mexico, for analysis of COCs.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all confirmation delineation pothole soil samples indicated all analyzed COCs were below the applicable Site Closure Criteria. Soil samples collected surrounding the AOC provide sufficient horizontal delineation of the subject release. Laboratory analytical results are summarized in **Table 1** included in **Appendix E**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix F**.

CLOSURE REQUEST

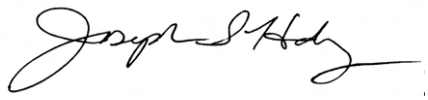
Based on laboratory analytical results for delineation soil samples, WPX believes delineation activities associated with the inadvertent release have verified the absence of residual impacts as per Site Closure Criteria, as well as defined the horizontal periphery of the AOC. As such, NFA appears warranted at this time and the CRR associated with Incident Number nAB1632648516 should be respectfully considered for Closure by the NMOCD.

Released to Imaging: 8/9/2024 9:18:13 AM

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (281) 702-2329 or joseph@etechenv.com or Erick Herrera (281) 777-4152 or erick@etechenv.com. **Appendix G** provides correspondence email notification receipts associated with the subject release.

Sincerely,
Etech Environmental and Safety Solutions, Inc.





Erick Herrera
Staff Geologist

Joseph S. Hernandez
Senior Managing Geologist

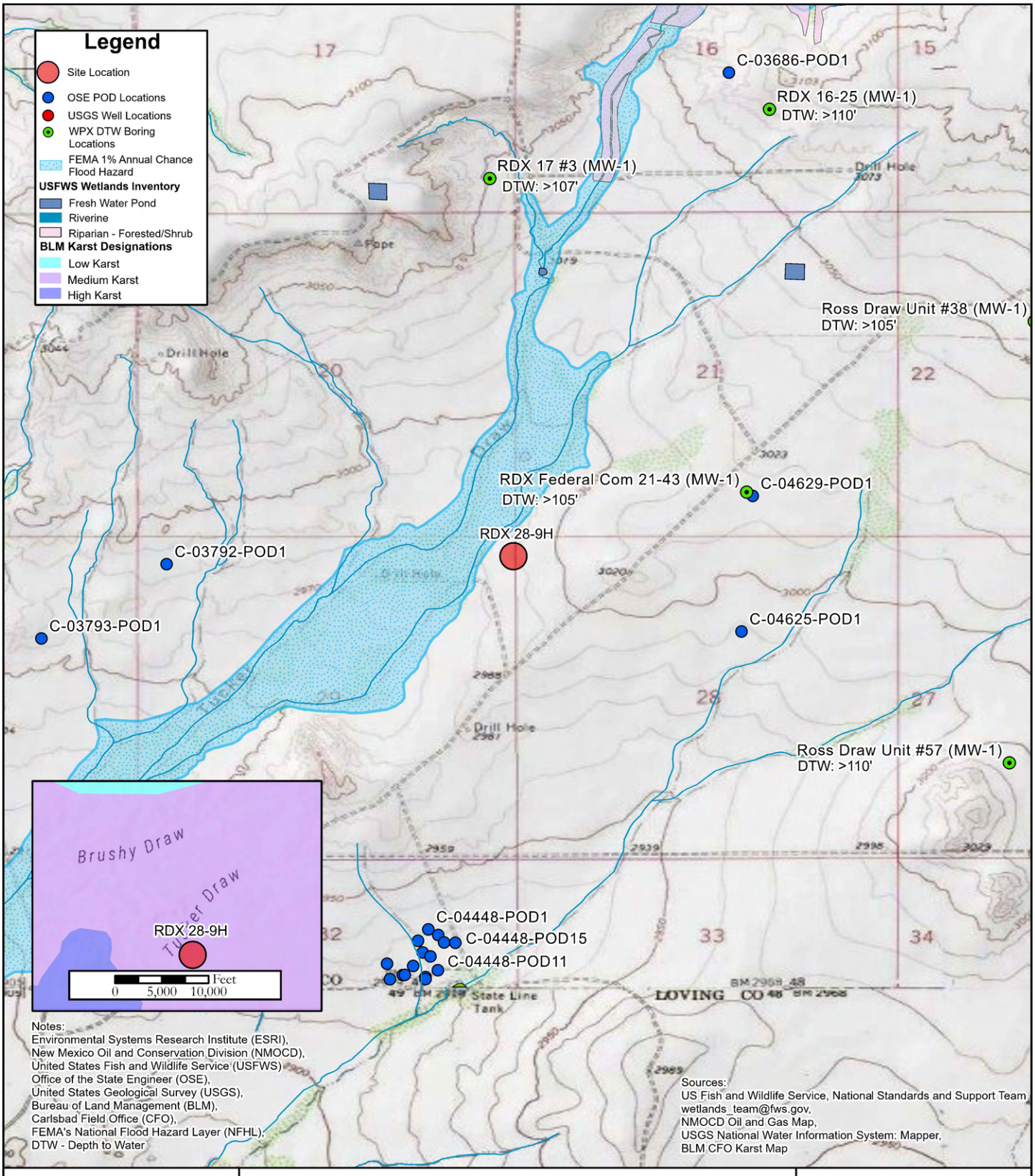
cc: Jim Raley, WPX
New Mexico Oil Conservation Division
Bureau of Land Management

Appendices:

Appendix A: Figure 1: Site Map
Figure 2: Delineation Soil Sample Locations
Appendix B: Referenced Well Records
Appendix C: Soil Sampling Logs
Appendix D: Photographic Log
Appendix E: Tables
Appendix F: Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix G: NMOCD Notifications

APPENDIX A

Figures



eTECH

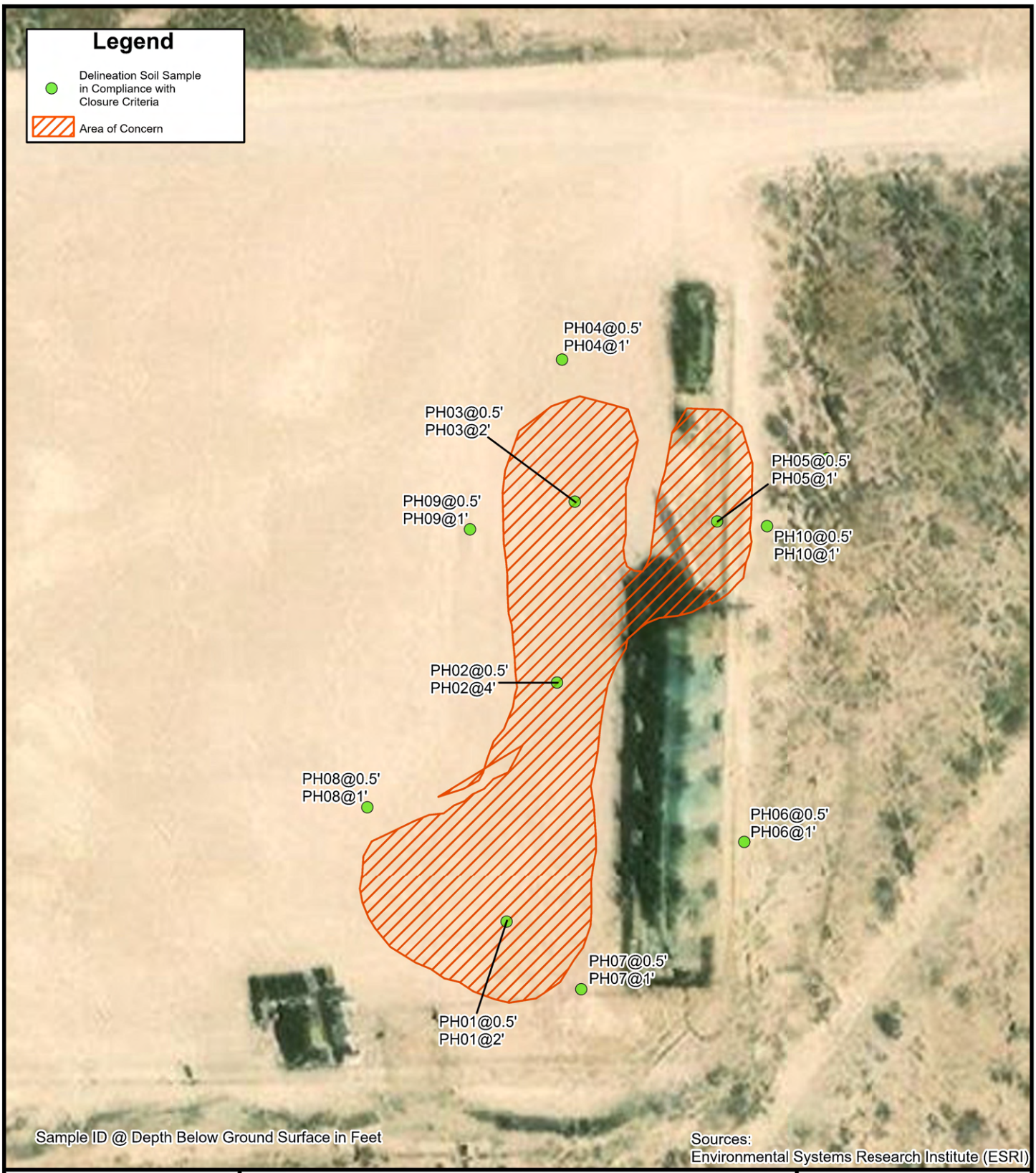
FIGURE 1

Site Map

WPX ENERGY PERMIAN, LLC
RDX 28-9H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

Feet
0 1,250 2,500



eTECH

FIGURE 2

Delineation Soil Sample Locations

WPX ENERGY PERMIAN, LLC
RDX 28-9H
Unit C Sec 28 T26S R30E
Eddy County, New Mexico

N

0 30 60 Feet

APPENDIX B

Referenced Well Records

HRL COMPLIANCE SOLUTIONS

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: MW-1		Location: RDX Federal Com 21-43	
Date: 12/9/2020		Client: WPX Energy	
Drilling Method: Air Rotary	Sampling Method: None	Logged By: J. Linn, P.G.	Drilled By: Talon LPE
Gravel Pack Type: 10/20 Sand	Gravel Pack Depth Interval: 3 Bags	Seal Type: None / Seal Depth Interval: None	Latitude: 32.022571
Casing Type: PVC / Diameter: 2-inch / Depth Interval: 0-100 feet bgs		Boring Total Depth (ft. BGS): 110	Longitude: -103.884371
Screen Type: PVC / Slot: 0.010-inch / Diameter: 2-inch / Depth Interval: 100 - 105 ft		Well Total Depth (ft. BGS): 105	Depth to Water (ft. BTOC): > 105 / DTW Date: 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	SP	NS	Pale orange to tan poorly graded fine sand	
5										
10										
15										
20	NM	H	D	N	N	NM	CL	NS	Pale orange/tan/pale red clay, dry, with silt, fine sand, and minor caliche	
25	NM	L	D	N	N	NM	SP	NS	Pale orange to pale red poorly graded fine sand	
30										
35										
40										
45										
50	NM	L	D	N	N	NM	SP	NS	Golden yellow poorly graded fine sand with minor silt and clay	
55										
60										
65	NM	L	D	N	N	NM	SP	NS	Pale orange to pale red poorly graded fine sand with minor silt/clay	
70										
75										
80	NM	M	D	N	N	NM	SC	NS	Buff to orange color fine sand with medium sand and clay	
85										
90										
95	NM	H	D	N	N	NM	CL	NS	Brown orange clay with silt and fine sand	
100	NM	H	D	N	N	NM	SC	NS	Golden yellow and buff colored clay with fine sand - TD Boring: 110' BGS; Sand 110' - 105' BGS	
105										

APPENDIX C

Soil Sampling Logs

eTECH

	Sample Name: PH01	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019929, -103.889575	Hole Diameter: N/A	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-2) SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive
Dry	412	0.1	No	PH01	0.5			
Dry	300	0.1	No		1	1		@ 1 foot, change of color from tan to yellowish
Dry	208	0.2	No	PH01	2	2		

Total Depth

eTECH

	Sample Name: PH02	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019929, -103.889575	Hole Diameter: N/A	Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-2') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive.
Dry	108	0.3	No	PH02	0.5			
Dry	108	0.3	No		1	1		@ 1 foot, change of color from tan to yellowish.
								(2-4') SAND, dry, yellowish, poorly graded, very fine to fine,
Dry	208	0.4	No		2	2	SP-SM	no stain, no odoor, non-plastic, and noncohesive and some silt.
					3	3		
Dry	180	0.3	No	PH02	4	4		

Total Depth

eTECH

	Sample Name: PH03	Date: 06/22/20233
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019929, -103.889575	Hole Diameter: N/A	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-2') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive
Dry	336	0.7	No	PH03	0.5			
Dry	236	0.5	No		1	1		@ 1 foot, change of color from tan to yellowish
Dry	<108	0.7	No	PH03	2	2		

Total Depth

eTECH

	Sample Name: PH04	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019929, -103.889575	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive.
Dry	<108	0.1	No	PH04	0.5			
Dry	<108	0.1	No	PH04	1	1		@ 1 foot, change of color from tan to brown.

Total Depth

eTECH

	Sample Name: PH05	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019929, -103.889575	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive.
Dry	<108	0.0	No	PH05	0.5			
Dry	<108	0.0	No	PH05	1	1		

Total Depth

eTECH

	Sample Name: PH06	Date: 06/22/23
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019929, -103.889575	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive
Dry	<108	0.0	No	PH06	0.5			
Dry	<108	0.0	No	PH06	1	1		

Total Depth

eTECH

	Sample Name: PH07	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019929, -103.889575	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive.
Dry	236	0.0	No	PH07	0.5			
Dry	236	0.0	No	PH07	1	1		

Total Depth

eTECH

	Sample Name: PH08	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019929, -103.889575	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive
Dry	236	0.0	No	PH08	0.5			
Dry	<108	0.1	No	PH08	1	1		

Total Depth

eTECH

	Sample Name: PH09	Date: 06/22/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019929, -103.889575	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-1') SAND, dry, tan, well graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive.
Dry	<108	0.1	No	PH09	0.5			
Dry	<108	0.0	No	PH09	1	1		

Total Depth

eTECH

	Sample Name: PH10	Date: 08/18/2023
	Site Name: RDX 28-9H	
	Incident Number: nAB1632648516	
	Job Number: 18147	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.019929, -103.889575	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0		
Dry	<108	0.1	No	PH10	0.5		SP	(0-1') SAND, dry, tan, poorly graded, fine to coarse, some silt and gravel, no stain, no odor, non-plastic, and noncohesive.
Dry	<108	0.0	No	PH10	1	1		

Total Depth

APPENDIX D

Photographic Log

PHOTOGRAPHIC LOG

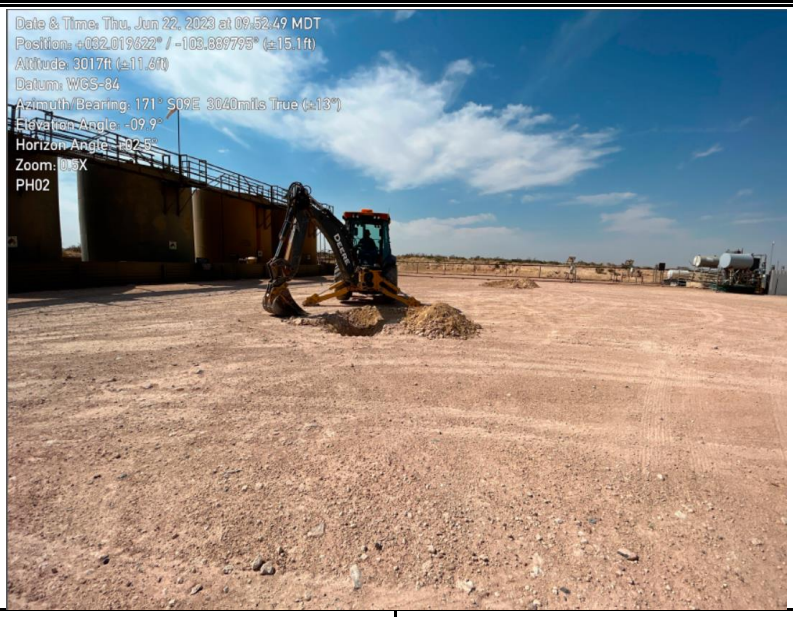
WPX Energy Permian, LLC

RDX 28-9H

Incident Number: nAB1632648516



Photograph 1	**Date: 06/22/2023**
Description: Southwestern view of delineation activities.	



Photograph 2	**Date: 06/22/2023**
Description: Southeastern view of delineation activities.	

PHOTOGRAPHIC LOG

WPX Energy Permian, LLC

RDX 28-9H

Incident Number: nAB1632648516



Photograph 3	**Date: 06/22/2023**
Description: Northeastern view of delineation activities.	



Photograph 4	**Date: 08/18/2023**
Description: Southeastern view of delineation activities.	

APPENDIX E

Tables

eTECH

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX 28-9H
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
Delineation Soil Samples Analytical Results - nAB1632648516										
PH01	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	399
PH01	06/22/2023	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	272
PH02	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	108
PH02	06/22/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	30.2
PH03	06/22/2023	0.5	<0.0250	<0.0500	<20.0	144	69.0	144	213	331
PH03	06/22/2023	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.9
PH04	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	389
PH04	06/22/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	321
PH05	06/22/2023	0.5	<0.0250	<0.0500	<20.0	53.7	58.0	53.7	111.7	<20.0
PH05	06/22/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH06	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH06	06/22/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH07	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	338
PH07	06/22/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	168
PH08	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	260
PH08	06/22/2023	1	<0.0250	<0.0500	<20.0	30.1	<50.0	30.1	30.1	99.6
PH09	06/22/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	146
PH09	06/22/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	149
PH10	08/18/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH10	08/18/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

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

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213

Report to:

Joseph Hernandez









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E306194
Job Number:	01058-0007
Received:	6/26/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/29/23

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

Date Reported: 6/29/23

Joseph Hernandez
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E306194
Date Received: 6/26/2023 7:00:00AM

Joseph Hernandez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/26/2023 7:00:00AM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- PH01 0.5’ 5
- PH01 2’ 6
- PH02 0.5’ 7
- PH02 4’ 8
- PH03 0.5’ 9
- PH03 2’ 10

QC Summary Data 11

- QC - Volatile Organics by EPA 8021B 11
- QC - Nonhalogenated Organics by EPA 8015D - GRO 12
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13
- QC - Anions by EPA 300.0/9056A 14

Definitions and Notes 15

Chain of Custody etc. 16

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	06/29/23 14:14

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 0.5'	E306194-01A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH01 2'	E306194-02A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH02 0.5'	E306194-03A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH02 4'	E306194-04A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH03 0.5'	E306194-05A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH03 2'	E306194-06A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

PH01 0.5'

E306194-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Benzene	ND	0.0250	1	06/26/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/28/23	
Toluene	ND	0.0250	1	06/26/23	06/28/23	
o-Xylene	ND	0.0250	1	06/26/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.6 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.6 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326035
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*06/27/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326024
Chloride	**399**	40.0	2	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

PH01 2'

E306194-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Benzene	ND	0.0250	1	06/26/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/28/23	
Toluene	ND	0.0250	1	06/26/23	06/28/23	
o-Xylene	ND	0.0250	1	06/26/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.7 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.2 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326035
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
Surrogate: n-Nonane		*96.4 %*	*50-200*	*06/27/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326024
Chloride	**272**	100	5	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

PH02 0.5'

E306194-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Benzene	ND	0.0250	1	06/26/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/28/23	
Toluene	ND	0.0250	1	06/26/23	06/28/23	
o-Xylene	ND	0.0250	1	06/26/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326035
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*06/27/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326024
Chloride	**108**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

PH02 4'

E306194-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Benzene	ND	0.0250	1	06/26/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/28/23	
Toluene	ND	0.0250	1	06/26/23	06/28/23	
o-Xylene	ND	0.0250	1	06/26/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.6 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326035
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
Surrogate: n-Nonane		*96.6 %*	*50-200*	*06/27/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326024
Chloride	**30.2**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

PH03 0.5'

E306194-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Benzene	ND	0.0250	1	06/26/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/28/23	
Toluene	ND	0.0250	1	06/26/23	06/28/23	
o-Xylene	ND	0.0250	1	06/26/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.3 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326035
Diesel Range Organics (C10-C28)	**144**	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	**69.0**	50.0	1	06/27/23	06/28/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*06/27/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326024
Chloride	**331**	40.0	2	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

PH03 2'

E306194-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Benzene	ND	0.0250	1	06/26/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/28/23	
Toluene	ND	0.0250	1	06/26/23	06/28/23	
o-Xylene	ND	0.0250	1	06/26/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.6 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.4 %*	*70-130*	*06/26/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326035
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*06/27/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326024
Chloride	**25.9**	20.0	1	06/27/23	06/27/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326011-BLK1)									Prepared: 06/26/23 Analyzed: 06/28/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.66*		*8.00*		*95.8*	*70-130*			
LCS (2326011-BS1)									Prepared: 06/26/23 Analyzed: 06/28/23
Benzene	4.94	0.0250	5.00		98.8	70-130			
Ethylbenzene	4.76	0.0250	5.00		95.2	70-130			
Toluene	4.94	0.0250	5.00		98.7	70-130			
o-Xylene	4.88	0.0250	5.00		97.7	70-130			
p,m-Xylene	9.84	0.0500	10.0		98.4	70-130			
Total Xylenes	14.7	0.0250	15.0		98.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.66*		*8.00*		*95.8*	*70-130*			
Matrix Spike (2326011-MS1)				**Source: E306194-04**					Prepared: 06/26/23 Analyzed: 06/28/23
Benzene	5.01	0.0250	5.00	ND	100	54-133			
Ethylbenzene	4.84	0.0250	5.00	ND	96.8	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	4.97	0.0250	5.00	ND	99.3	63-131			
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	99.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.8*	*70-130*			
Matrix Spike Dup (2326011-MSD1)				**Source: E306194-04**					Prepared: 06/26/23 Analyzed: 06/28/23
Benzene	4.92	0.0250	5.00	ND	98.4	54-133	1.74	20	
Ethylbenzene	4.76	0.0250	5.00	ND	95.2	61-133	1.66	20	
Toluene	4.93	0.0250	5.00	ND	98.6	61-130	1.57	20	
o-Xylene	4.89	0.0250	5.00	ND	97.9	63-131	1.50	20	
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	63-131	1.62	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.2	63-131	1.58	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.67*		*8.00*		*95.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326011-BLK1)									Prepared: 06/26/23 Analyzed: 06/28/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.97*		*8.00*		*87.1*	*70-130*			
LCS (2326011-BS2)									Prepared: 06/26/23 Analyzed: 06/28/23
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.01*		*8.00*		*87.7*	*70-130*			
Matrix Spike (2326011-MS2)				**Source: E306194-04**					Prepared: 06/26/23 Analyzed: 06/28/23
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.05*		*8.00*		*88.1*	*70-130*			
Matrix Spike Dup (2326011-MSD2)				**Source: E306194-04**					Prepared: 06/26/23 Analyzed: 06/28/23
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.2	70-130	0.798	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.03*		*8.00*		*87.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326035-BLK1)									Prepared: 06/27/23 Analyzed: 06/27/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.4*		*50.0*		*107*	*50-200*			
LCS (2326035-BS1)									Prepared: 06/27/23 Analyzed: 06/27/23
Diesel Range Organics (C10-C28)	281	25.0	250		113	38-132			
Surrogate: n-Nonane	*49.6*		*50.0*		*99.2*	*50-200*			
Matrix Spike (2326035-MS1)				**Source: E306208-03**					Prepared: 06/27/23 Analyzed: 06/27/23
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*50-200*			
Matrix Spike Dup (2326035-MSD1)				**Source: E306208-03**					Prepared: 06/27/23 Analyzed: 06/27/23
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	38-132	3.06	20	
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/29/2023 2:14:40PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326024-BLK1)									Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	ND	20.0							
LCS (2326024-BS1)									Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	246	20.0	250		98.3	90-110			
Matrix Spike (2326024-MS1)				**Source: E306194-01**					Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	650	40.0	250	399	101	80-120			
Matrix Spike Dup (2326024-MSD1)				**Source: E306194-01**					Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	687	40.0	250	399	115	80-120	5.42	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	06/29/23 14:14

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Client: WPX Energy Permian LLC.	Bill To	Lab Use Only	TAT				EPA Program	
Project: RDX FEDERAL COM 28 #009H	Attention: Jim Raley	Lab WO# E1630194	Job Number 01058-0007	1D	2D	3D	Standard	CWA	SDWA
Project Manager: Joseph Hernandez	Address: 5315 Buena Vista Dr.						5 day TAT		
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220	Analysis and Method							RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502								
Phone: (281) 702-2329	Email: jim.raley@dvn.com							State	
Email: Devon-team@etechenv.com	WO: 21181898							NM CO UT AZ TX	
Collected by: Edyte Konan	Incident ID: nAB1632648516								

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
9:00	6/22/2023	S	1	PH01	1	0.5'								X				
9:10	6/22/2023	S	1	PH01	2	2'								X				
9:20	6/22/2023	S	1	PH02	3	0.5'								X				
9:30	6/22/2023	S	1	PH02	4	4'								X				
9:40	6/22/2023	S	1	PH03	5	0.5'								X				
9:50	6/22/2023	S	1	PH03	6	2'								X				

Additional Instructions:

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:

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
Edyte Konan	06/23/2023	1145	Michelle R Gonzales	06-23-23	1145
Michelle R Gonzales	06-23-23	1645		6.26.23	7:00

Lab Use Only
Received on ice: Y / N
T1 T2 T3
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

Envirotech Analytical Laboratory

Printed: 6/26/2023 2:49:02PM

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:	WPX Energy - Carlsbad	Date Received:	06/26/23 07:00	Work Order ID:	E306194
Phone:	(539) 573-4018	Date Logged In:	06/26/23 08:02	Logged In By:	Alexa Michaels
Email:	jhernandez@ensolum.com	Due Date:	06/30/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Joseph Hernandez









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E306198
Job Number:	01058-0007
Received:	6/26/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/30/23

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

Date Reported: 6/30/23

Joseph Hernandez
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E306198
Date Received: 6/26/2023 7:00:00AM

Joseph Hernandez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/26/2023 7:00:00AM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- PH04 0.5’ 5
- PH04 1’ 6
- PH05 0.5’ 7
- PH05 1’ 8
- PH06 0.5’ 9
- PH06 1’ 10
- PH07 0.5’ 11
- PH07 1’ 12
- PH08 0.5’ 13
- PH08 1’ 14
- PH09 0.5’ 15
- PH09 1’ 16

QC Summary Data 17

- QC - Volatile Organic Compounds by EPA 8260B 17
- QC - Nonhalogenated Organics by EPA 8015D - GRO 18
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 19
- QC - Anions by EPA 300.0/9056A 20

Definitions and Notes 21

Chain of Custody etc. 22

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	06/30/23 11:29

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH04 0.5'	E306198-01A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH04 1'	E306198-02A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH05 0.5'	E306198-03A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH05 1'	E306198-04A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH06 0.5'	E306198-05A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH06 1'	E306198-06A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH07 0.5'	E306198-07A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH07 1'	E306198-08A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH08 0.5'	E306198-09A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH08 1'	E306198-10A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH09 0.5'	E306198-11A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.
PH09 1'	E306198-12A	Soil	06/22/23	06/26/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH04 0.5'

E306198-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*87.7 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**389**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH04 1'

E306198-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*87.7 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**321**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH05 0.5'

E306198-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	**53.7**	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	**58.0**	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*86.8 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	ND	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH05 1'

E306198-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*89.2 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	ND	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH06 0.5'

E306198-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*89.1 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	ND	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH06 1'

E306198-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*92.1 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	ND	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH07 0.5'

E306198-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/28/23	
Surrogate: n-Nonane		*90.2 %*	*50-200*	*06/28/23*	*06/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**338**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH07 1'

E306198-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/29/23	
Surrogate: n-Nonane		*92.9 %*	*50-200*	*06/28/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**168**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH08 0.5'

E306198-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/29/23	
Surrogate: n-Nonane		*85.7 %*	*50-200*	*06/28/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**260**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH08 1'

E306198-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	**30.1**	25.0	1	06/28/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/29/23	
Surrogate: n-Nonane		*86.4 %*	*50-200*	*06/28/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**99.6**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH09 0.5'

E306198-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/29/23	
Surrogate: n-Nonane		*89.7 %*	*50-200*	*06/28/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**146**	20.0	1	06/27/23	06/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

PH09 1'

E306198-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Benzene	ND	0.0250	1	06/26/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/26/23	06/27/23	
Toluene	ND	0.0250	1	06/26/23	06/27/23	
o-Xylene	ND	0.0250	1	06/26/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/26/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/23	06/27/23	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*06/26/23*	*06/27/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/26/23*	*06/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2326038
Diesel Range Organics (C10-C28)	ND	25.0	1	06/28/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/28/23	06/29/23	
Surrogate: n-Nonane		*93.1 %*	*50-200*	*06/28/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2326022
Chloride	**149**	20.0	1	06/27/23	06/27/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

Volatile Organic Compounds by EPA 8260B

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 (2326013-BLK1)									Prepared: 06/26/23 Analyzed: 06/27/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.488*		*0.500*		*97.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			
LCS (2326013-BS1)									Prepared: 06/26/23 Analyzed: 06/27/23
Benzene	2.56	0.0250	2.50		102	70-130			
Ethylbenzene	2.49	0.0250	2.50		99.6	70-130			
Toluene	2.53	0.0250	2.50		101	70-130			
o-Xylene	2.57	0.0250	2.50		103	70-130			
p,m-Xylene	5.09	0.0500	5.00		102	70-130			
Total Xylenes	7.66	0.0250	7.50		102	70-130			
Surrogate: Bromofluorobenzene	*0.475*		*0.500*		*94.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.470*		*0.500*		*94.0*	*70-130*			
Surrogate: Toluene-d8	*0.507*		*0.500*		*101*	*70-130*			
Matrix Spike (2326013-MS1)				**Source: E306198-01**					Prepared: 06/26/23 Analyzed: 06/27/23
Benzene	2.56	0.0250	2.50	ND	102	48-131			
Ethylbenzene	2.51	0.0250	2.50	ND	101	45-135			
Toluene	2.57	0.0250	2.50	ND	103	48-130			
o-Xylene	2.56	0.0250	2.50	ND	102	43-135			
p,m-Xylene	5.10	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.67	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	*0.475*		*0.500*		*95.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2326013-MSD1)				**Source: E306198-01**					Prepared: 06/26/23 Analyzed: 06/27/23
Benzene	2.53	0.0250	2.50	ND	101	48-131	1.16	23	
Ethylbenzene	2.48	0.0250	2.50	ND	99.1	45-135	1.50	27	
Toluene	2.53	0.0250	2.50	ND	101	48-130	1.22	24	
o-Xylene	2.56	0.0250	2.50	ND	102	43-135	0.0390	27	
p,m-Xylene	5.11	0.0500	5.00	ND	102	43-135	0.0685	27	
Total Xylenes	7.67	0.0250	7.50	ND	102	43-135	0.0326	27	
Surrogate: Bromofluorobenzene	*0.487*		*0.500*		*97.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.5*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326013-BLK1)									Prepared: 06/26/23 Analyzed: 06/27/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.488*		*0.500*		*97.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			
LCS (2326013-BS2)									Prepared: 06/26/23 Analyzed: 06/27/23
Gasoline Range Organics (C6-C10)	62.8	20.0	50.0		126	70-130			
Surrogate: Bromofluorobenzene	*0.517*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.2*	*70-130*			
Surrogate: Toluene-d8	*0.532*		*0.500*		*106*	*70-130*			
Matrix Spike (2326013-MS2)				**Source: E306198-01**					Prepared: 06/26/23 Analyzed: 06/27/23
Gasoline Range Organics (C6-C10)	60.2	20.0	50.0	ND	120	70-130			
Surrogate: Bromofluorobenzene	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.8*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			
Matrix Spike Dup (2326013-MSD2)				**Source: E306198-01**					Prepared: 06/26/23 Analyzed: 06/27/23
Gasoline Range Organics (C6-C10)	58.4	20.0	50.0	ND	117	70-130	3.13	20	
Surrogate: Bromofluorobenzene	*0.497*		*0.500*		*99.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.3*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326038-BLK1)									Prepared: 06/28/23 Analyzed: 06/28/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*42.9*		*50.0*		*85.8*	*50-200*			
LCS (2326038-BS1)									Prepared: 06/28/23 Analyzed: 06/28/23
Diesel Range Organics (C10-C28)	250	25.0	250		99.9	38-132			
Surrogate: n-Nonane	*42.4*		*50.0*		*84.8*	*50-200*			
Matrix Spike (2326038-MS1)				**Source: E306198-09**					Prepared: 06/28/23 Analyzed: 06/28/23
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132			
Surrogate: n-Nonane	*42.7*		*50.0*		*85.5*	*50-200*			
Matrix Spike Dup (2326038-MSD1)				**Source: E306198-09**					Prepared: 06/28/23 Analyzed: 06/28/23
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132	2.08	20	
Surrogate: n-Nonane	*42.5*		*50.0*		*84.9*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	6/30/2023 11:29:13AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326022-BLK1)									Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	ND	20.0							
LCS (2326022-BS1)									Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	264	20.0	250		105	90-110			
Matrix Spike (2326022-MS1)				**Source: E306198-01**					Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	690	20.0	250	389	120	80-120			
Matrix Spike Dup (2326022-MSD1)				**Source: E306198-01**					Prepared: 06/27/23 Analyzed: 06/27/23
Chloride	670	20.0	250	389	112	80-120	3.00	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Joseph Hernandez	06/30/23 11:29

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

Project Information | Chain of Custody | Page 1 of 2

| | | |

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

| | | |

Envirotech Analytical Laboratory

Printed: 6/26/2023 2:56:40PM

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:	WPX Energy - Carlsbad	Date Received:	06/26/23 07:00	Work Order ID:	E306198
Phone:	(539) 573-4018	Date Logged In:	06/26/23 08:12	Logged In By:	Alexa Michaels
Email:	jhernandez@ensolum.com	Due Date:	06/30/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX FEDERAL COM 28 #009H
Work Order:	E308152
Job Number:	01058-0007
Received:	8/18/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/25/23

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

Date Reported: 8/25/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX FEDERAL COM 28 #009H
Workorder: E308152
Date Received: 8/18/2023 1:50:00PM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/18/2023 1:50:00PM, under the Project Name: RDX FEDERAL COM 28 #009H.

The analytical test results summarized in this report with the Project Name: RDX FEDERAL COM 28 #009H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

PH10 0.5’ 5

PH10 1’ 6

QC Summary Data 7

QC - Volatile Organic Compounds by EPA 8260B 7

QC - Nonhalogenated Organics by EPA 8015D - GRO 8

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 9

QC - Anions by EPA 300.0/9056A 10

Definitions and Notes 11

Chain of Custody etc. 12

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	08/25/23 10:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH10 0.5'	E308152-01A	Soil	08/18/23	08/18/23	Glass Jar, 2 oz.
PH10 1'	E308152-02A	Soil	08/18/23	08/18/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/25/2023 10:13:47AM

PH10 0.5'

E308152-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2334015
Benzene	ND	0.0250	1	08/21/23	08/23/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/23/23	
Toluene	ND	0.0250	1	08/21/23	08/23/23	
o-Xylene	ND	0.0250	1	08/21/23	08/23/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/23/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/23/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/21/23*	*08/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2334015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/23/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/21/23*	*08/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2334035
Diesel Range Organics (C10-C28)	ND	25.0	1	08/22/23	08/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/22/23	08/23/23	
Surrogate: n-Nonane		*87.1 %*	*50-200*	*08/22/23*	*08/23/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2334023
Chloride	ND	20.0	1	08/22/23	08/23/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/25/2023 10:13:47AM

PH10 1'

E308152-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2334015
Benzene	ND	0.0250	1	08/21/23	08/23/23	
Ethylbenzene	ND	0.0250	1	08/21/23	08/23/23	
Toluene	ND	0.0250	1	08/21/23	08/23/23	
o-Xylene	ND	0.0250	1	08/21/23	08/23/23	
p,m-Xylene	ND	0.0500	1	08/21/23	08/23/23	
Total Xylenes	ND	0.0250	1	08/21/23	08/23/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*08/21/23*	*08/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2334015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/23	08/23/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*08/21/23*	*08/23/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*08/21/23*	*08/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2334035
Diesel Range Organics (C10-C28)	ND	25.0	1	08/22/23	08/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/22/23	08/23/23	
Surrogate: n-Nonane		*86.3 %*	*50-200*	*08/22/23*	*08/23/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2334023
Chloride	ND	20.0	1	08/22/23	08/23/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/25/2023 10:13:47AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2334015-BLK1)									Prepared: 08/21/23 Analyzed: 08/23/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
LCS (2334015-BS1)									Prepared: 08/21/23 Analyzed: 08/23/23
Benzene	2.84	0.0250	2.50		114	70-130			
Ethylbenzene	2.61	0.0250	2.50		104	70-130			
Toluene	2.73	0.0250	2.50		109	70-130			
o-Xylene	2.77	0.0250	2.50		111	70-130			
p,m-Xylene	5.41	0.0500	5.00		108	70-130			
Total Xylenes	8.18	0.0250	7.50		109	70-130			
Surrogate: Bromofluorobenzene	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.497*		*0.500*		*99.3*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			
Matrix Spike (2334015-MS1)				**Source: E308149-03**					Prepared: 08/21/23 Analyzed: 08/23/23
Benzene	2.71	0.0250	2.50	ND	108	48-131			
Ethylbenzene	2.47	0.0250	2.50	ND	98.6	45-135			
Toluene	2.55	0.0250	2.50	ND	102	48-130			
o-Xylene	2.60	0.0250	2.50	ND	104	43-135			
p,m-Xylene	5.09	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.69	0.0250	7.50	ND	103	43-135			
Surrogate: Bromofluorobenzene	*0.526*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.489*		*0.500*		*97.8*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2334015-MSD1)				**Source: E308149-03**					Prepared: 08/21/23 Analyzed: 08/23/23
Benzene	2.70	0.0250	2.50	ND	108	48-131	0.203	23	
Ethylbenzene	2.49	0.0250	2.50	ND	99.7	45-135	1.07	27	
Toluene	2.57	0.0250	2.50	ND	103	48-130	0.780	24	
o-Xylene	2.64	0.0250	2.50	ND	106	43-135	1.54	27	
p,m-Xylene	5.19	0.0500	5.00	ND	104	43-135	2.01	27	
Total Xylenes	7.84	0.0250	7.50	ND	104	43-135	1.85	27	
Surrogate: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.1*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/25/2023 10:13:47AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2334015-BLK1)									Prepared: 08/21/23 Analyzed: 08/23/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
LCS (2334015-BS2)									Prepared: 08/21/23 Analyzed: 08/23/23
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	*0.522*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.2*	*70-130*			
Surrogate: Toluene-d8	*0.520*		*0.500*		*104*	*70-130*			
Matrix Spike (2334015-MS2)				**Source: E308149-03**					Prepared: 08/21/23 Analyzed: 08/23/23
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	*0.513*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.3*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			
Matrix Spike Dup (2334015-MSD2)				**Source: E308149-03**					Prepared: 08/21/23 Analyzed: 08/23/23
Gasoline Range Organics (C6-C10)	57.6	20.0	50.0	ND	115	70-130	6.19	20	
Surrogate: Bromofluorobenzene	*0.513*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.527*		*0.500*		*105*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/25/2023 10:13:47AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2334035-BLK1)									Prepared: 08/22/23 Analyzed: 08/23/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.2*		*50.0*		*108*	*50-200*			
LCS (2334035-BS1)									Prepared: 08/22/23 Analyzed: 08/23/23
Diesel Range Organics (C10-C28)	243	25.0	250		97.2	38-132			
Surrogate: n-Nonane	*42.3*		*50.0*		*84.6*	*50-200*			
Matrix Spike (2334035-MS1)				**Source: E308150-01**					Prepared: 08/22/23 Analyzed: 08/23/23
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.3	38-132			
Surrogate: n-Nonane	*40.5*		*50.0*		*80.9*	*50-200*			
Matrix Spike Dup (2334035-MSD1)				**Source: E308150-01**					Prepared: 08/22/23 Analyzed: 08/23/23
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.6	38-132	0.302	20	
Surrogate: n-Nonane	*38.3*		*50.0*		*76.7*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/25/2023 10:13:47AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2334023-BLK1)									Prepared: 08/22/23 Analyzed: 08/23/23
Chloride	ND	20.0							
LCS (2334023-BS1)									Prepared: 08/22/23 Analyzed: 08/23/23
Chloride	249	20.0	250		99.8	90-110			
Matrix Spike (2334023-MS1)				**Source: E308148-01**					Prepared: 08/22/23 Analyzed: 08/23/23
Chloride	304	20.0	250	52.3	101	80-120			
Matrix Spike Dup (2334023-MSD1)				**Source: E308148-01**					Prepared: 08/22/23 Analyzed: 08/23/23
Chloride	300	20.0	250	52.3	99.3	80-120	1.19	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

WPX Energy - Carlsbad	Project Name:	RDX FEDERAL COM 28 #009H	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	08/25/23 10:13

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Released to Imaging: 8/9/2024 9:18:13 AM
Received by OCD: 7/19/2024 2:27:05 PM

| | | |

Envirotech Analytical Laboratory

Printed: 8/21/2023 10:50:09AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	08/18/23 13:50	Work Order ID:	E308152
Phone:	(539) 573-4018	Date Logged In:	08/21/23 09:19	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	08/25/23 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

APPENDIX G

NMOCD Notifications

Erick Herrera

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Friday, June 16, 2023 3:37 PM
To: Erick Herrera
Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Subject: RE: [EXTERNAL] WPX Site Sampling Activity Update (6/20 - 6/23)

Erick,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http:// **www.emnrd.nm.gov**

From: Erick Herrera <erick@etechenv.com>
Sent: Thursday, June 15, 2023 3:14 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov
Cc: Raley, Jim <jim.raley@dvn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] WPX Site Sampling Activity Update (6/20 - 6/23)

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

WPX anticipates conducting confirmation soil sampling activities at the following sites between June 20 – June 23, 2023:

Site Name: North Brushy PW Line
Incident Numbers: nAPP2231126594 & nAPP2312845934

Site Name: RDX 9#004
Incident Number: nAB1803254347
API: 30-015-40180

Site Name: RDX Federal COM 28 #009H
Incident Number: nAB1632648516
API: 30-015-43294

Site Name: Holly A Federal #006

Incident Number: nAPP2116548791
API: 30-015-25331

Site Name: Ross Draw #012
Incident Numbers: nHMP1407235518 and nAPP2315142829
API: 30-015-24793

Thank you,

Erick Herrera
Staff Geologist

eTECH Environmental & Safety Solutions, Inc.

Work: (432) 305-6416
Cell: (281) 777-4152

Erick Herrera

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, August 11, 2023 11:06 AM
To: Erick Herrera
Cc: Bratcher, Michael, EMNRD; Maxwell, Ashley, EMNRD
Subject: RE: [EXTERNAL] WPX Site Sampling Activity Update (8/16 - 8/18)

Good morning Erick,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

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

From: Erick Herrera <erick@etechenv.com>
Sent: Friday, August 11, 2023 9:33 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov
Cc: Raley, Jim <jim.raley@dvn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] WPX Site Sampling Activity Update (8/16 - 8/18)

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

Good morning,

WPX anticipates conducting confirmation soil sampling activities at the following sites between August 16th through August 18th, 2023:

Proposed Date: August 16, 2023, August 17, 2023, August 18, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: RDX 17-14
Incident Number: nAB1504834000
API: 30-015-39845

Proposed Date: August 16, 2023, August 17, 2023, August 18, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: RDX 28 #009H
Incident Number: nAB1632648516
API: 30-015-43294

Thank you,

Erick Herrera
Staff Geologist

Environmental & Safety Solutions, Inc.

Work: (432) 305-6416
Cell: (281) 777-4152

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 365754

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 365754
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1632648516**
Incident Name	**NAB1632648516 RDX FEDERAL COM 28 #009H @ 30-015-43294**
Incident Type	**Produced Water Release**
Incident Status	**Deferral Request Received**
Incident Well	**[30-015-43294] RDX FEDERAL COM 28 #009H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	RDX FEDERAL COM 28 #009H
Date Release Discovered	11/04/2016
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	Cause: Equipment Failure | Other (Specify) | Crude Oil | Released: 60 BBL | Recovered: 60 BBL | Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure | Other (Specify) | Produced Water | Released: 15 BBL | Recovered: 15 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.*

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 (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 365754
	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	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 07/19/2024

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QUESTIONS (continued)

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QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1000 (ft.) and ½ (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)	8380
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	6820
GRO+DRO (EPA SW-846 Method 8015M)	4890
BTEX (EPA SW-846 Method 8021B or 8260B)	1
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	03/07/2024
On what date will (or did) the final sampling or liner inspection occur	06/05/2024
On what date will (or was) the remediation complete(d)	06/05/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	3863
What is the estimated volume (in cubic yards) that will be remediated	1145
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 (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 365754
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	*Not answered.*
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
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I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 07/19/2024
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 (continued)

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	Action Number: 365754
	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	Lined Tank Battery Containment,
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	3863
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	1145
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	30-015-43294 RDX FEDERAL COM 28 #009H
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.	
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QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**350362**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**06/05/2024**
What was the (estimated) number of samples that were to be gathered	**15**
What was the sampling surface area in square feet	**7800**

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 365754

CONDITIONS

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	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	WPX's deferral requests final remediation for (Incident Number NAB1632648516) until final reclamation of the well pad or major construction, whichever comes first. eTech and WPX do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The areas requested for deferral are located immediately beneath the lined tank battery containment and active production equipment, where remediation would require a major facility deconstruction, which include sample areas (BH01 and BH21). At this time, OCD approves this request. Both release areas will need to meet reclamation standards at the time the facility is deconstructed, and the pad is reclaimed/revegetated. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue.	8/9/2024