eTECH Environmental & Safety Solutions, Inc.

SITE CHARACTERIZATION REMEDIATION PLAN ADDENDUM

RDX 16 #004

Eddy County, New Mexico

Incident Number nAPP2223636403

Prepared for:

WPX Energy Permian, LLC.

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 Site Characterization Remediation Plan Addendum (SCRPA) detailing a scope of work to address soil impacts from an inadvertent release of crude oil and produced water at the RDX 16 #004 (Site). Based on delineation laboratory analytical results, WPX proposes this SCRPA, which details remediation objectives to rectify environmental impacts at the Site.

SITE LOCATION AND RELEASE BACKGROUND

The production well (API 30-015-39750) for this Site is located in Unit A, Section 16, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.048996°, -103.8808975°) as provided on the initial Release Notification and Corrective Action Form C-141 (Form C-141) and is associated with oil and gas exploration and production operations on State Land. The surface flowline associated with the well, where the release occurred, spans Unit H and Unit G within Section 16, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.04503°, -103.88075°) as shown on **Figure 1** in **Appendix A**.

On August 21, 2022, corrosion of a steel surface flowline resulted in approximately 5 barrels (bbls) of crude oil and 5 bbls of produced water to be released in two separate areas of the pasture, one area off the northwestern corner of WPX well pad RDX 16 #008 and the other area on a multiple pipeline Right-of-Way (ROW) west of RDX 16 #008. No fluids were able to be recovered. WPX reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Form C-141, which was received by the NMOCD on August 24, 2022, and was subsequently assigned Incident Number nAPP2223636403.

Due to the release location, a Right-of-Entry (ROE) Permit to access or disturb soil off-pad was required. WPX submitted the ROE in preparation for soil characterization and remediation activities. An executed permit was issued on March 29, 2023. As a result, an extension was requested and granted for May 20, 2023, to allow WPX to reevaluate site conditions and propose a work plan to investigate soil impacts. Etech prepared a Remediation Work Plan (RWP), which proposed delineation activities in order to characterize the inadvertent release. The NMOCD conditionally approved the RWP:

i All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Please make sure that the edge of the release extent is accurately defined. Please collect confirmation samples, representing no more than 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. All contaminated soil around utilities/pipelines must be fully delineated and remediated to Table 1 of the OCD Spill Rule. The work will need to occur in 90 days after the report has been reviewed.

Due to the coordination and scheduling availability with Atkins Engineering Associates, Inc. (Atkins), the ROE was renewed, and the executed permit was reissued on December 14, 2023. Delineation activities were conducted in February of 2024 to investigate the extent of impacts at the Site. A Site Characterization Remediation Plan (SCRP) prepared by Etech, which detailed delineation activities conducted in February 2024, was denied by the NMOCD on April 24, 2023, for the following reasons:

ii Remediation proposal is denied. Additional background chloride studies do not appear to be warranted as there exists sufficient data that indicates this area does not contain naturally occurring chloride levels through at least the 25’ interval. Elevated levels seen in the 25’-30’ intervals appear to be anomalous with no elevated chloride levels above or below those intervals. BH08 is in a disturbed area, should not be considered natural background, and should be considered as part of this release or an earlier release and treated accordingly. Use of a physical barrier requires a variance request. As such, the RP must describe in detail the physical barrier proposed and how leaving contaminants in place will provide equal or better protection of the environment. The proposal in this report for use of a physical barrier is denied. Soil samples

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will need to be collected from both the base AND sidewalls of excavations. Since this release is almost two years old OCD requests remedial activities commence not later than May 24, 2024.

The February 2024, delineation activities are detailed below, followed by the updated remediation proposal addressing NMOCD comments and concerns.

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 between 51 and 100 feet below ground surface (bgs) based on a soil boring (TW-1) that was drilled by Atkins for Devon Energy on July 28, 2022. The boring was filed under New Mexico Office of the State Engineer (NMOSE) C-04655. The soil boring is located approximately 0.25 miles north to northeast of the Site (**Figure 1A** in **Appendix A**). Using a truck mounted drill rig equipped with hollow stem auger, the soil boring was advanced to a total depth of 55 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 per the appropriate NMOSE regulations. The boring log and plugging records are provided in **Appendix B**.

Based on the initial desktop review, the release extent(s) appear to lie within a third-order ephemeral stream, a forested/shrub riparian wetland area and a 100-year flood plain. It should be noted that a margin of error is possible based on imagery only; field verification can further confirm these specified classifications developed from image analysis. The Site is located within a medium karst potential area and the remaining potential receptors are not within the established buffers defined in NMAC 19.15.29.12. Receptor details from the site characterization are included in **Figure 1B** and **Figure 1C** in **Appendix A**.

Based on the results from the desktop review, specifically the proximity of the three sensitive receptors to the Site, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria[†]
Chloride	Environmental Protection Agency (EPA) 300.0	600 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	100 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B	50 mg/kg

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[1]*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.*

DELINEATION SOIL SAMPLING ACTIVITIES

From February 12 to February 15, 2024, Etech oversaw delineation activities to assess the presence or absence of residual impacts associated with the two Areas of Concern (AOC #1 and AOC #2). Twelve boreholes (BH01 through BH12) were advanced via rotary drill rig, which were driven by field screening soil samples for volatile organic compounds (VOCs) using a photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips until results indicated vertical delineation to the Site Closure Criteria. Soil boring samples were collected for laboratory analysis averaging at 5-foot intervals starting at 0.5-foot bgs and up to 35 feet bgs. Field screening results and soil descriptions were denoted on soil sampling logs, which are included as **Appendix C**. The locations of the delineation soil samples were mapped with a handheld global positioning system (GPS) and are shown in **Figure 2**, **Figure 2A**, and **Figure 2B** in **Appendix A**. Photographic documentation during delineation activities is included in **Appendix D**.

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.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated BTEX concentrations were below the Site Closure Criteria for all delineation soil samples. TPH exceedances were detected at delineation soil sampling locations BH06 (up to 4 feet bgs) and BH07 (0.5 feet bgs, 4 feet bgs and 15 feet bgs), which are characterized by concentrations ranging from 208 mg/kg to 5,720 mg/kg.

Laboratory analytical results indicated that chloride concentrations exceeded the Site Closure Criteria at one or more depths at each delineation soil sampling location, except delineation soil sampling locations BH10 and BH11. Elevated chloride concentrations are characterized by concentrations ranging from 676 mg/kg to 16,100 mg/kg. The concentrations of all COCs for all terminus delineation soil samples were below the Site Closure Criteria.

Laboratory analytical results are summarized in **Table 1** as **Attachment E**, and the complete laboratory reports with chain-of-custody documentation is included as **Attachment F**.

PROPOSED REMEDIATION PLAN

Based on the delineation soil sample laboratory analytical results, the following conclusions regarding the release are presented:

- Based on laboratory analytical results, BTEX and benzene concentrations were below the Site Closure Criteria for all analyzed soil samples, however, TPH concentrations exceedances above the Site Closure Criteria were present within the AOC #2, specifically within proximity to delineation soil sampling locations BH06 and BH07. TPH concentrations were below the laboratory detection threshold for all other delineation soil samples.
- Based on laboratory analytical results, chloride concentrations exceeding Site Closure Criteria exist at varying depths at all delineation soil sampling locations within and around AOC #1 and AOC #2, except BH10 and BH11.
- Concentrations of all the COCs for the terminus delineation soil samples from each sampling location were below the Site Closure Criteria, providing sufficient vertical delineation.

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- Horizontal delineation was achieved through delineation soil sampling locations BH10 and BH11, located west and northwest of AOC #2. Laboratory analytical results for the remainder of the delineation soil sampling locations surrounding AOC #1 and AOC #2 indicated chloride concentrations exceedances above the Site Closure Criteria at one or more depths.

Based on the conclusion drawn above, WPX proposes the following remedial corrective actions:

- Due to the existence of chloride concentrations exceeding 600 mg/kg outside of AOC #1 and AOC #2, WPX proposes to investigate naturally occurring background concentrations for chloride. The proposed background soil sampling locations (**Figure 3** in **Appendix A)** were allocated to undisturbed areas located 50 feet but no greater than 100 feet from the AOCs, at higher elevations in respect to the AOCs, and upgradient to the predicted flow of groundwater. However, the proposed locations of the background soil sampling locations are subject to change if the NMOCD believes one or more of the proposed locations could be moved to a more suitable location(s).

    i. Soil samples collected from the proposed and/or NMOCD selected background locations will be handled and analyzed by an accredited lab for concentrations of the COCs as previously described. If laboratory analytical results indicate naturally occurring background chloride concentrations are greater than 600 mg/kg, WPX proposes to use the greatest chloride concentration and the lowest chloride concentration as an acceptable range for naturally occurring background concentrations at the Site and apply to ***the same respective depth range*** in which they were found, which should be corrected in respect to changes in surface elevation. As such, the range of elevated chloride concentrations for the respective depths will be requested as a variance to drive remediation efforts accordingly, and the data presented in this report will be re-evaluated under the consideration of naturally occurring background concentrations for chloride. Upon receipt and review of excavation confirmation soil sample laboratory analytical results, WPX will determine the appropriate measure of corrective actions that will include:

        - Preparing a SCRP addendum detailing the next course of remedial actions to address the presence of soil impacts at the Site driven by background chloride concentrations, based off an estimated lateral and vertical extent of impacted soil from soil sampling activities.

However, if laboratory analytical results indicate naturally occurring background concentrations of chloride do not exceed 600 mg/kg, the remediation plan will proceed as follows (**Figure 4** in **Appendix A**):

- Based off delineation laboratory analytical results regarding AOC #1, WPX proposes to excavate AOC #1 up to 35 feet bgs. The excavation will extend laterally until the concentrations of the COCs for confirmation soil sample results are in accordance with the Site Closure Criteria and will provide sufficient horizontal delineation. The proposed excavation of AOC #1 is presented on **Figure 4** and **Figure 4A** in **Appendix A.** To accommodate a properly engineered excavation to the anticipated boundaries consistent with delineation laboratory analytical results, the excavation footprint will extend well beyond the extent of AOC #1 to facilitate the proper safety measures required to excavate to 35 feet bgs, resulting in the excavation of unimpacted grounds. As such, WPX proposes to stockpile the said aggregate separate from the residually impacted soil and use as backfill material for the excavation upon confirmation of the removal of residual impacts via laboratory analytical results.

    i. Prior to backfilling the excavation, Etech will collect 5-point composite soil samples of the stockpile (SP) representing no greater than 500 cubic yards per soil sample to ensure the concentrations of COCs in the stockpile soil are below the Site Closure Criteria.

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The 5-point composite SP soil samples will be comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. The samples will be placed into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples will be transported under strict chain-of-custody procedures to an accredited laboratory and analyzed for chloride, TPH and BTEX.

ii. Due to the size and depth of the anticipated excavation area of AOC #1, WPX requests a variance for excavation confirmation soil samples to represent a maximum of 1,000 square feet per soil sample. The 5-point excavation confirmation soil samples will be comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. The samples will be placed into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples will be transported under strict chain-of-custody procedures to an accredited laboratory and analyzed for chloride, TPH and BTEX.

iii. It should be noted that the extended boundaries may now include utilities located on the well pad adjacent to the Site that were originally outside of the investigation area of AOC #1. In such a case, a deferral may be requested for residually impacted soil located directly underneath and/or directly adjacent to surface and/or subsurface utilities on the well pad location.

- Regarding AOC #2 located on the multiple pipeline ROW, WPX proposes to remove residual impacts to the Maximum Extent Practical (MEP) which includes, but is not limited to:

i. Mechanical excavation between active subsurface pipelines to reach the maximum depth of residual impacts, which will be determined by the distances between pipelines and the Occupational Safety and Health Administration's (OSHA) maximum allowable slope for the native soil type comprising the walls of the excavation, which is Type C soil at the Site. For example, with an existing 5-foot bgs excavation on a pipeline ROW and the pipelines are spaced 34 feet apart, the excavation between the pipelines could be advanced up to an additional 10 feet bgs based on a 2-foot buffer around active pipelines and OSHA rules and regulations for an excavation in Type C soil. As such, the maximum allowable excavation depth between pipelines on the ROW at the Site will be approximately 10, 17, 14, and 18 feet bgs, as shown in *Diagram 1* below:

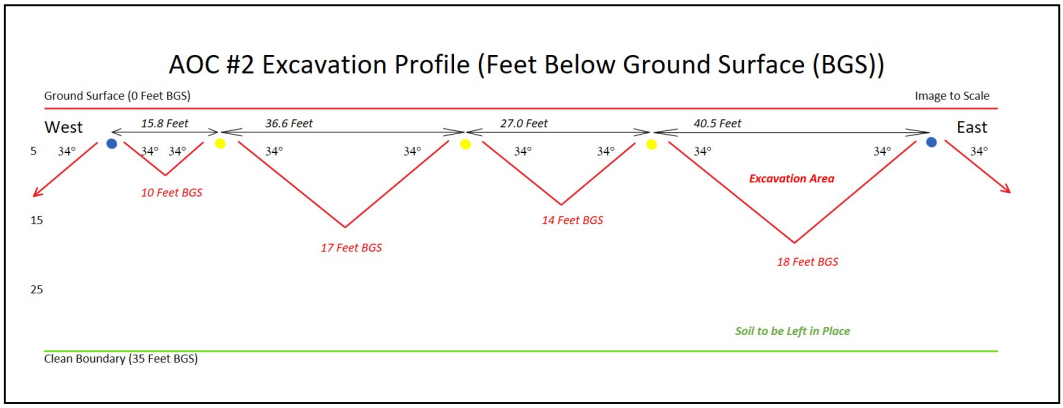

Diagram 1: Simple profile view of the approximate calculated excavation depths between active pipelines on the ROW within AOC #2 based on OSHA rules and regulations for Type C soil.

ii. Mechanical excavation to the MEP on the edge and/or directly adjacent to the pipeline ROW, where the OSHA industry safety standard for excavation also will be applied;

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iii. Mechanical excavation outside of the ROW with no limiting factors to inhibit the removal of residual impacts in accordance with the Site Closure Criteria;

iv. Non-mechanical excavation by daylighting active subsurface pipelines every 10 to 20 feet for a minimum of 40 linear feet; and

v. Relocating surface utilities located within AOC #2 to another area outside of the anticipated excavation extent for the duration of excavation activities.

As such, WPX proposes to excavate to the MEP and requests a variance to leave chloride impacts located below active subsurface pipelines between 5 feet and up to 30 feet bgs in place as depicted in *Diagram 1*, which is designated as an impractical area for further soil removal due to the grave health and safety risk to onsite personnel, equipment, and utilities if such an excavation advancement were to proceed. The proposed excavation would remove the MEP of impacts in order to protect the environment while still providing a safe work environment for onsite personnel and prevent a catastrophic failure of one or more of the onsite aboveground and/or subsurface utilities. Residual impacts proposed to be left in place will be characterized by confirmation soil samples of the excavation areas advanced between and directly adjacent to the active subsurface pipelines.

To accommodate a properly engineered excavation to the anticipated boundaries consistent with delineation laboratory analytical results, the excavation footprint will extend well beyond the extent of AOC #2 to facilitate the proper safety measures required to excavate to 35 feet bgs, resulting in the excavation of unimpacted grounds. As such, WPX proposes to stockpile the said aggregate separate from the residually impacted soil and use as backfill material as proposed for AOC #1.

Due to the residual impacts left in situ beneath the active subsurface multiple pipeline ROW in AOC #2, WPX proposes a variance for any excavation area(s) advanced beyond 5 feet bgs to be backfilled up to 5 feet bgs, where an NMOCD acceptable physical barrier will be installed on the excavation floor. The physical barrier will mitigate further migration of chloride impacts into the subsurface. The excavation will address any hydrocarbon exceedances from PH06 and PH07 as well as chloride impacts to the MEP. The proposed excavation of AOC #2 is presented on **Figure 4** and **Figure 4B** in **Appendix A**. The excavation will extend laterally until confirmation soil sample results from the sidewalls of the excavation meet Site Closure Criteria and will provide horizontal delineation of the release.

vi. Due to the size and depth of the anticipated excavation area, WPX requests that excavation confirmation soil samples represent a maximum of 1,000 square feet per soil sample. The confirmation soil samples will be collected, handled and analyzed by an accredited laboratory as described above.

vii. It should be noted that the extended boundaries may now include additional subsurface utilities that were originally outside of the investigation area of AOC #2. In such a case, the same variance detailed above will be applied accordingly.

- The proposed excavation will likely require third-party operator oversight and additional safety measures near their respective subsurface pipelines before or during excavation activities. WPX and/or the third-party operator may implement additional safety precautions above encroachment guidelines at their company's discretion for the health and safety of on-site personnel and for the structural integrity of utilities. Such restrictions include but are not limited to:

  i. Shifting the proposed excavation extent(s) to adhere to established buffer zone(s) around one or more utilities.

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ii. Inducing a change in proposed excavation(s) depth(s) around one or more utilities.

- Upon receipt and review of excavation confirmation soil sample laboratory analytical results, WPX will determine the appropriate measure of corrective actions that will include:

  i. Documenting the removal of impacted soil and restoration at the Site with a subsequent Closure and Reclamation Report detailing assessment, sampling activities, and Site restoration activities including, but not limited to backfilling the excavation with clean, locally sourced soil and restored to "as close to its original state as possible."

  - or -

  ii. Documenting and estimating an amount of impacted soil to be left in place at the Site with a subsequent Deferral Request Report detailing remediation efforts and soil sampling activities.

  - or –

  iii. Preparing a SCRP addendum detailing the next course of remedial actions to address the presence of soil impacts at the Site, based off an estimated lateral and vertical extent of impacted soil from soil sampling activities.

WPX believes this SCRPA will meet requirements set forth in NMAC 19.15.29.13 and be a balanced protection of human health, the environment and groundwater. As such, WPX respectfully requests approval of this SCRPA from NMOCD.

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (281) 702-2329 or joseph@etechenv.com or Anna Byers at (575) 200-6754 or anna@etechenv.com. **Appendix G** provides correspondence and notification receipts associated with the subject release. Previous remediation activities for the subject release can be referenced in previous reports in **Appendix H**.

Sincerely,

eTECH Environmental and Safety Solutions, Inc.

Anna Byers
Senior Geologist

Joseph S. Hernandez
Senior Managing Geologist

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

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Appendices:

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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: Archived Correspondence and Notification Receipts

Appendix H: Archived Reports

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APPENDIX A

Figures

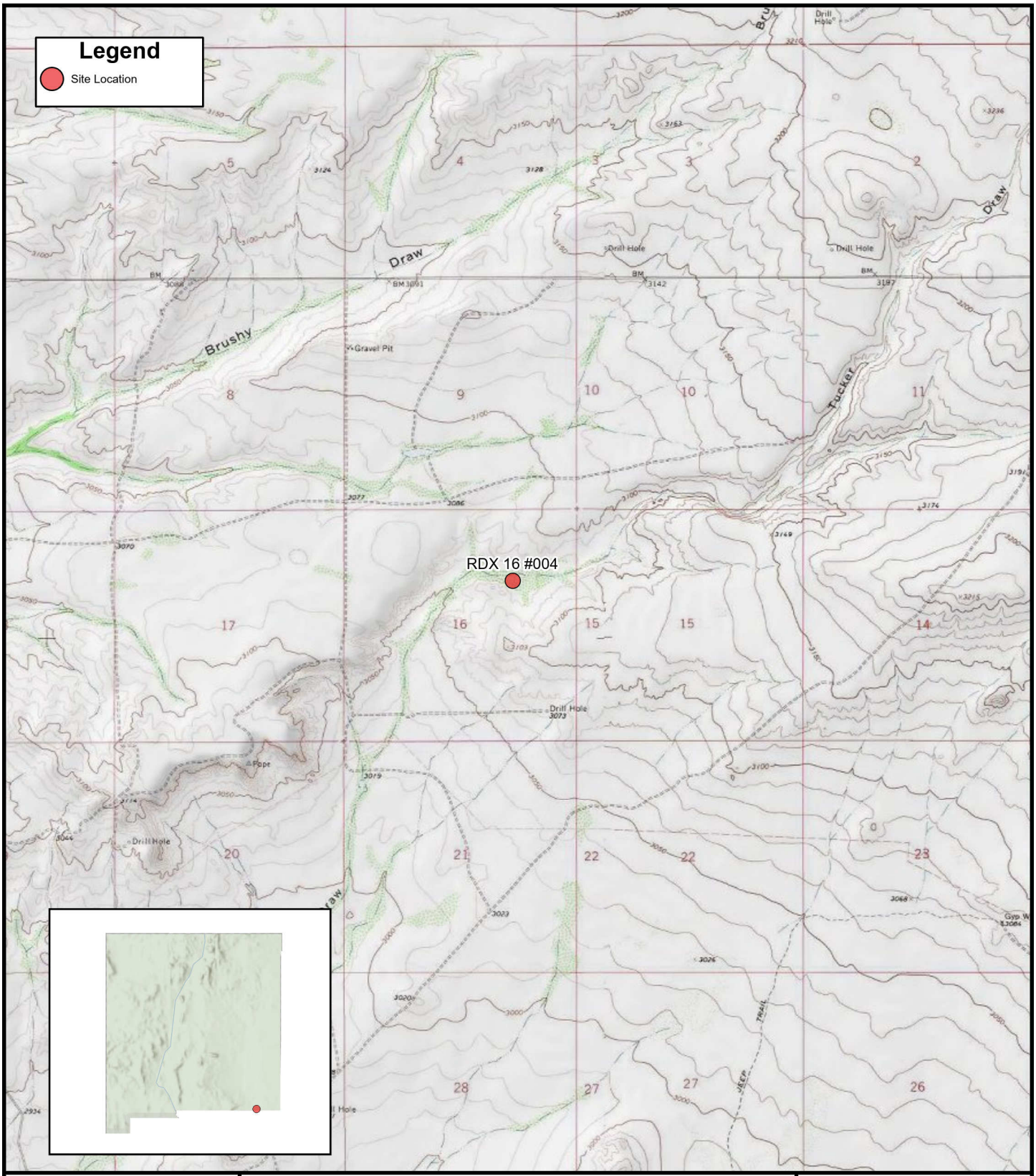

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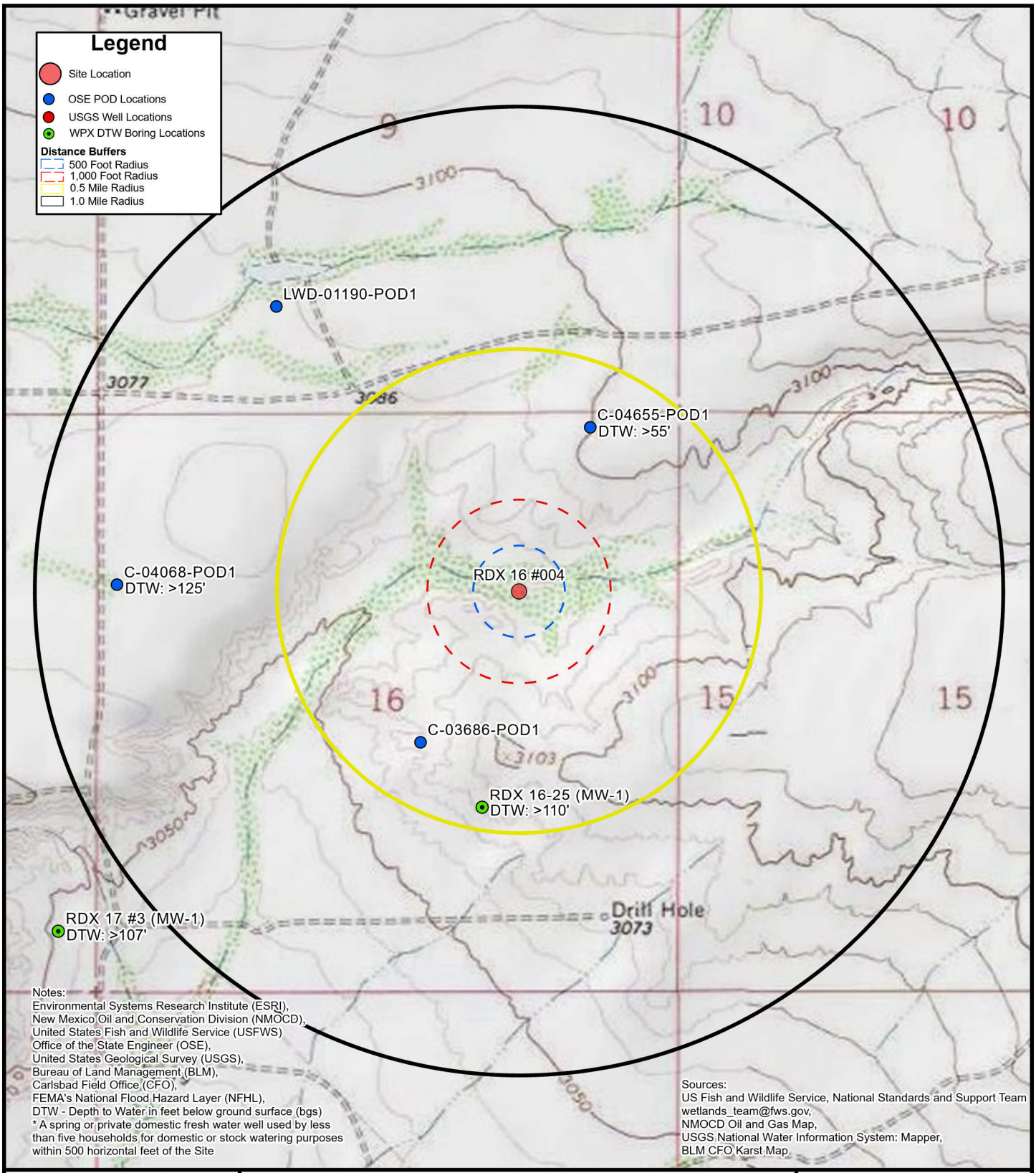
FIGURE 1

Site Location Map

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H & G Sec 16 T26S R30E
Eddy County, New Mexico



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

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

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FIGURE 1A

Site Characterization Map

Ground Water

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H & G Sec 16 T26S R30E
Eddy County, New Mexico

N

0 500 1,000 Feet

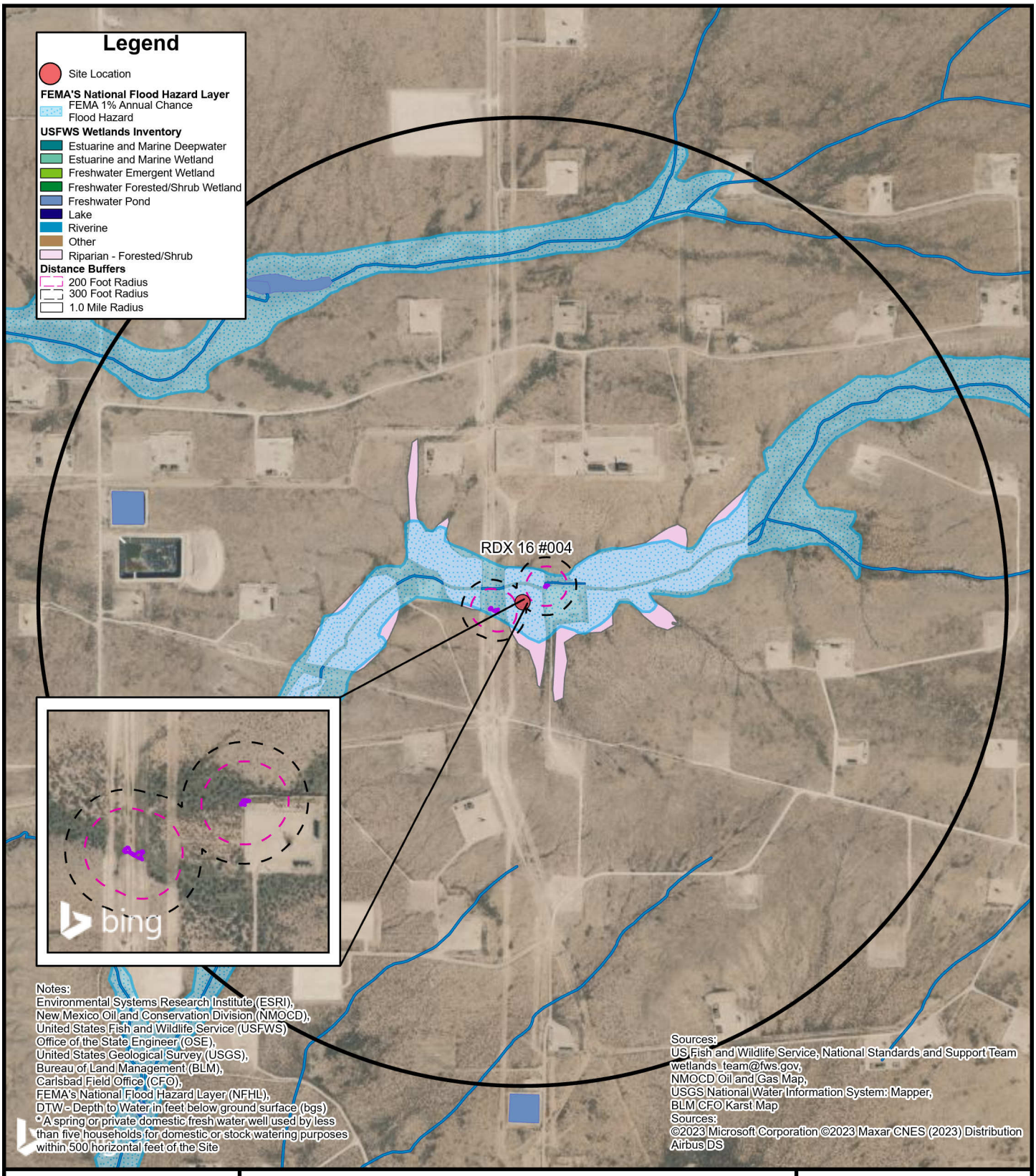

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FIGURE 1B

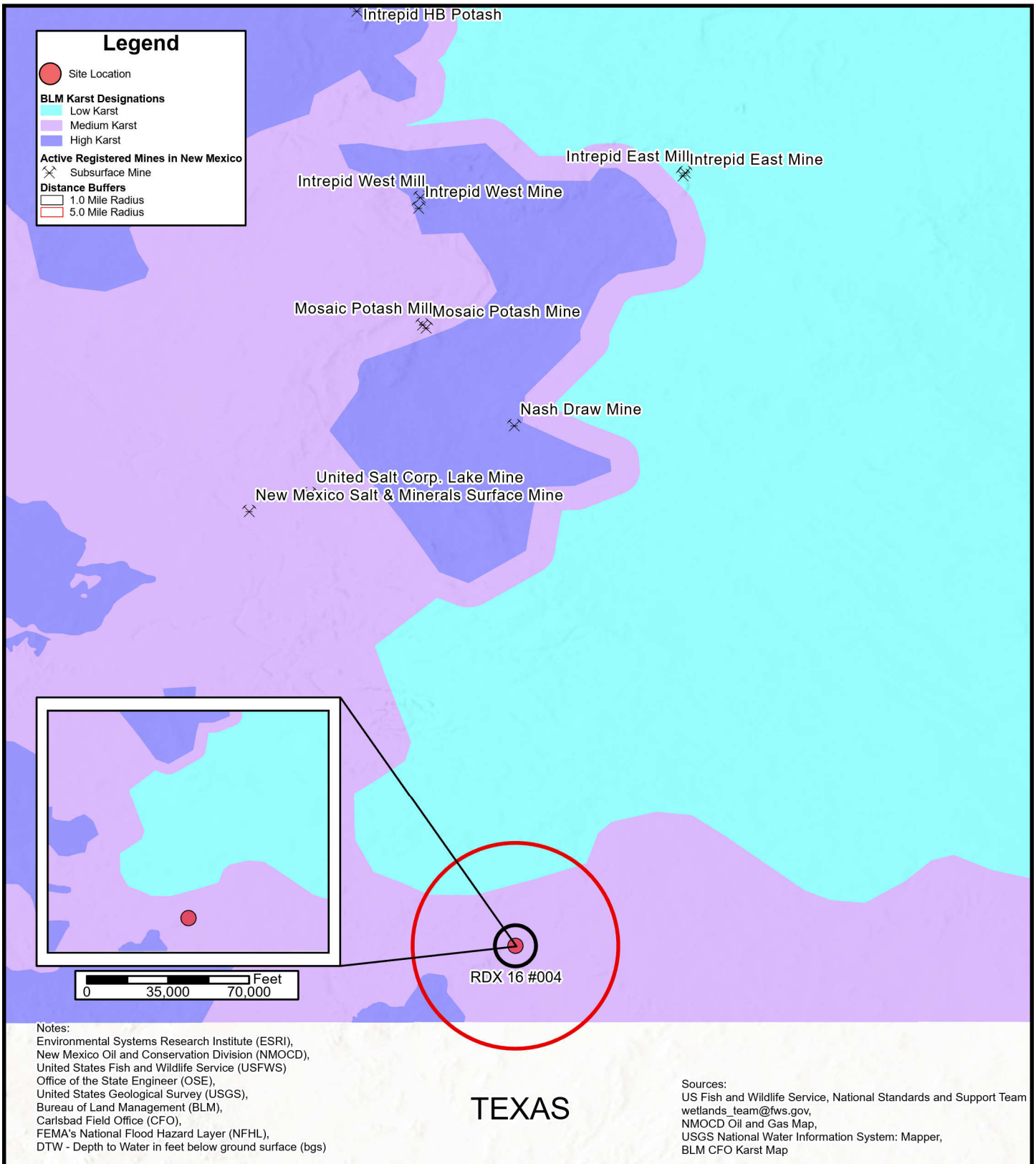
Site Characterization Map

Surficial Receptors

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H & G Sec 16 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

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FIGURE 1C

Site Characterization Map

Subsurface Receptors

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H & G Sec 16 T26S R30E
Eddy County, New Mexico

N

Feet
0
15,000
30,000

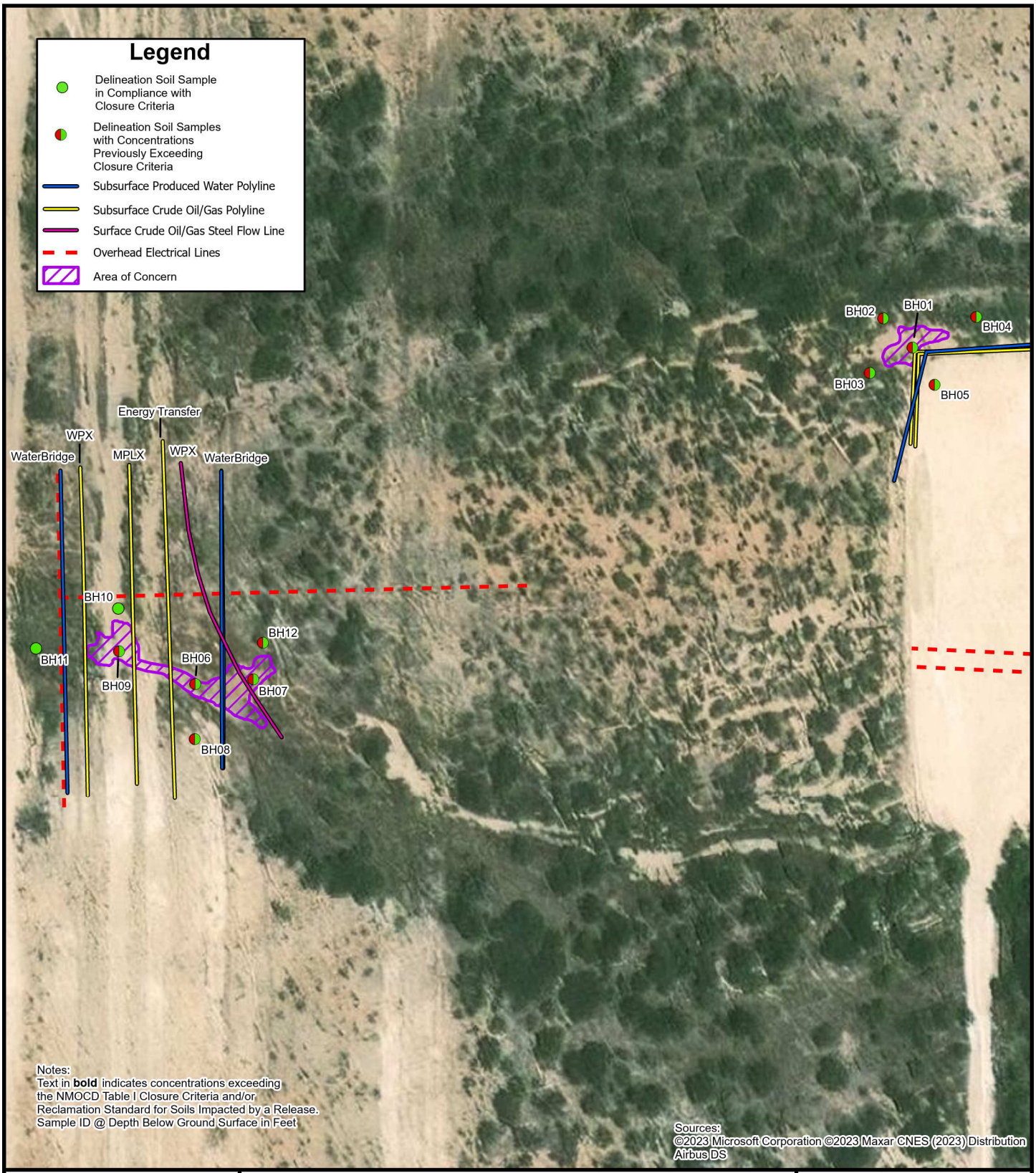

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FIGURE 2

Delineation Soil Sample Locations

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H + G Sec 16 T26S R30E
Eddy County, New Mexico

N

0 55 110 Feet

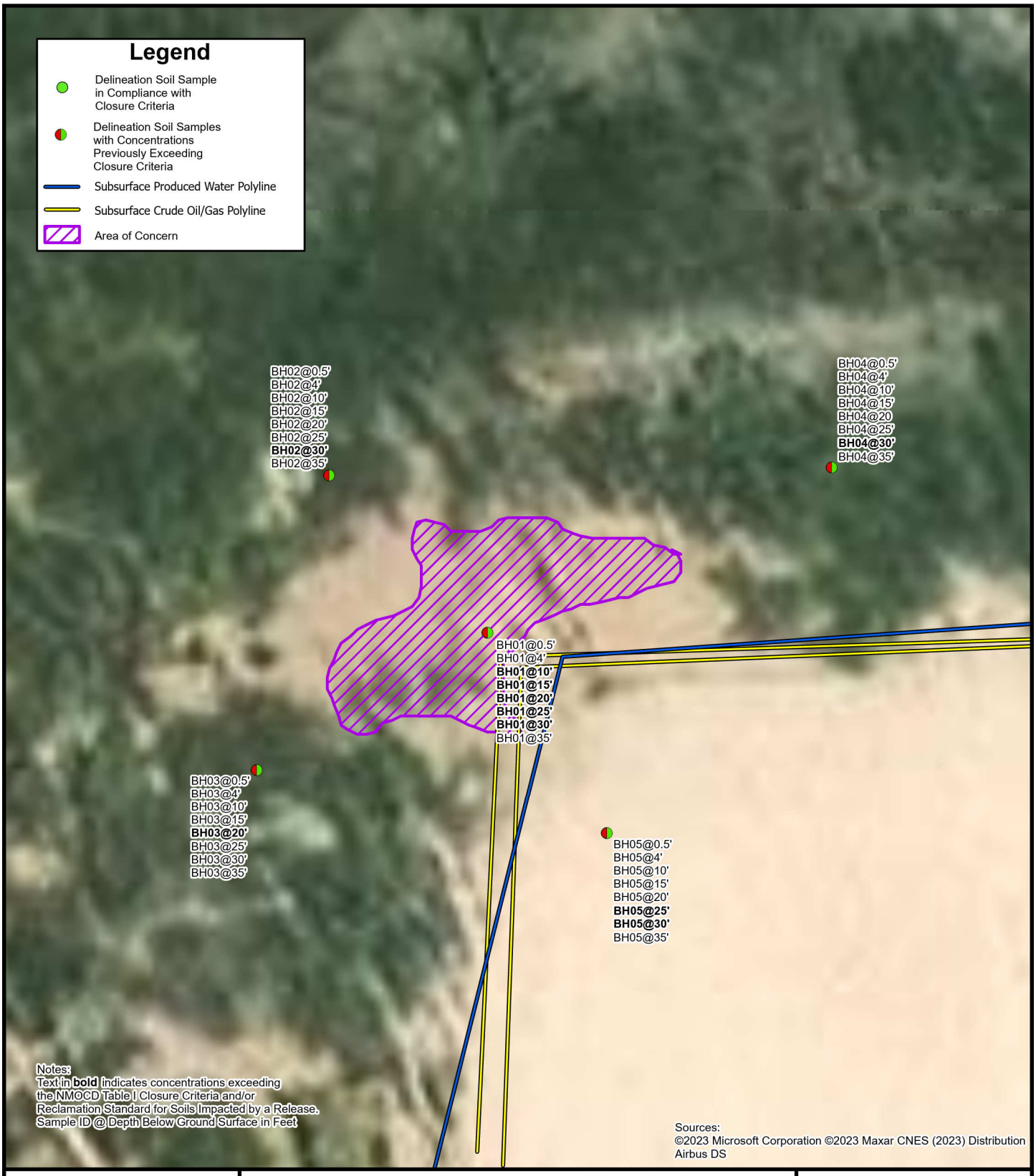

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FIGURE 2A

Delineation Soil Sample Locations

Area of Concern #1

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H + G Sec 16 T26S R30E
Eddy County, New Mexico

N

0 10 20 Feet

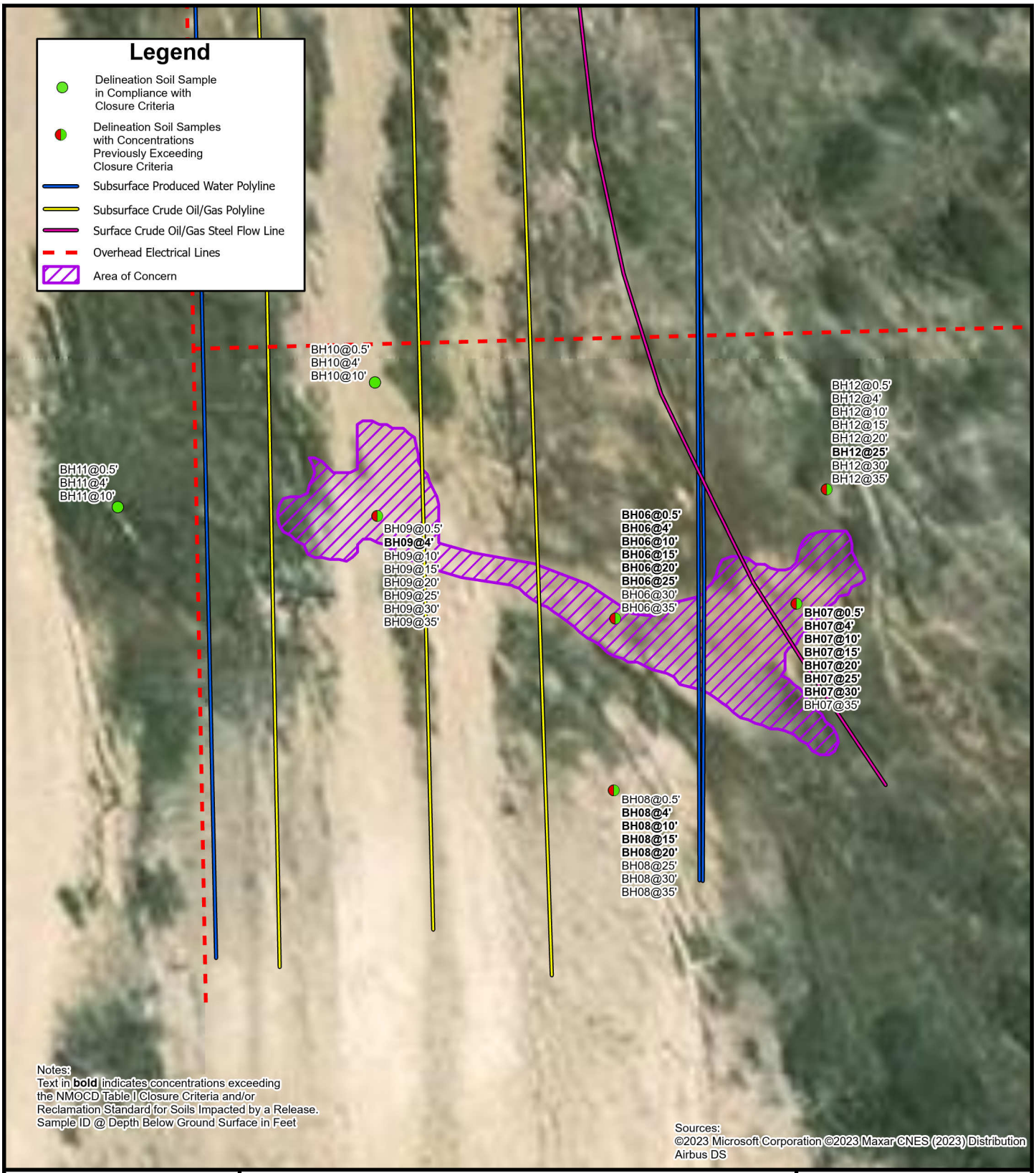

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FIGURE 2B

Delineation Soil Sample Locations

Area of Concern #2

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H + G Sec 16 T26S R30E
Eddy County, New Mexico

N

0 15 30 Feet

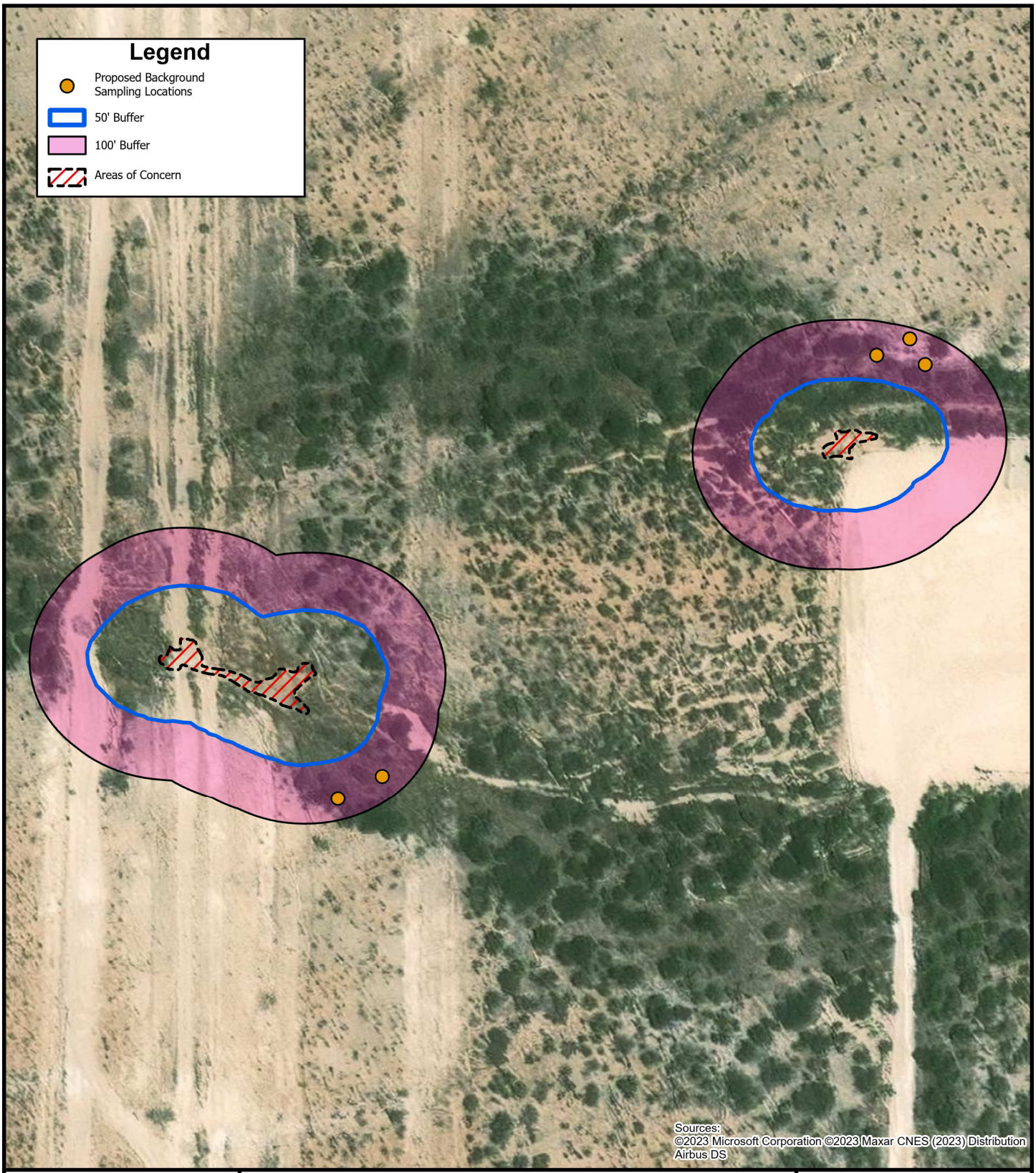

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FIGURE 3

Proposed Background Soil Sampling Locations

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H + G Sec 16 T26S R30E
Eddy County, New Mexico

N

0 65 130 Feet

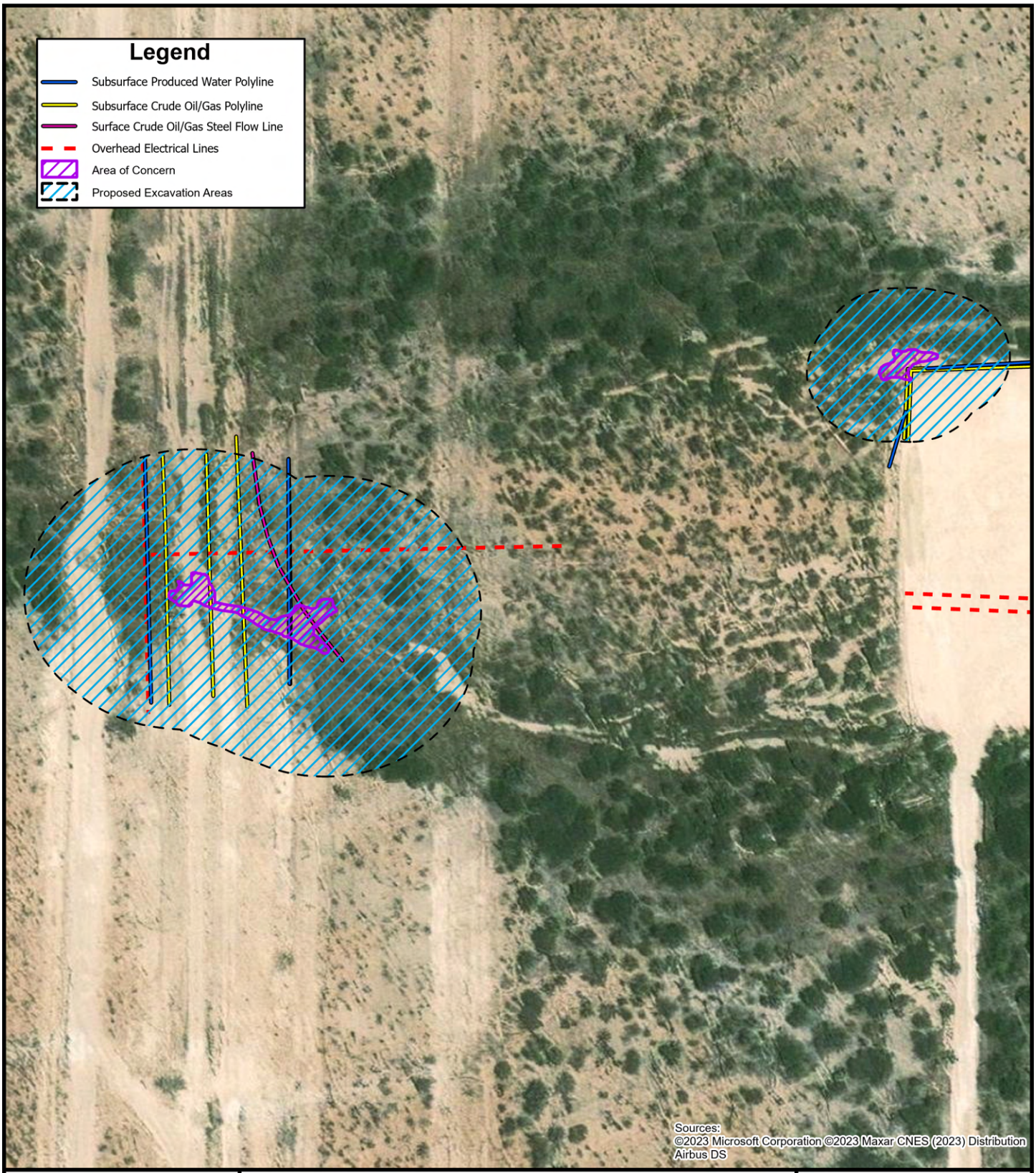

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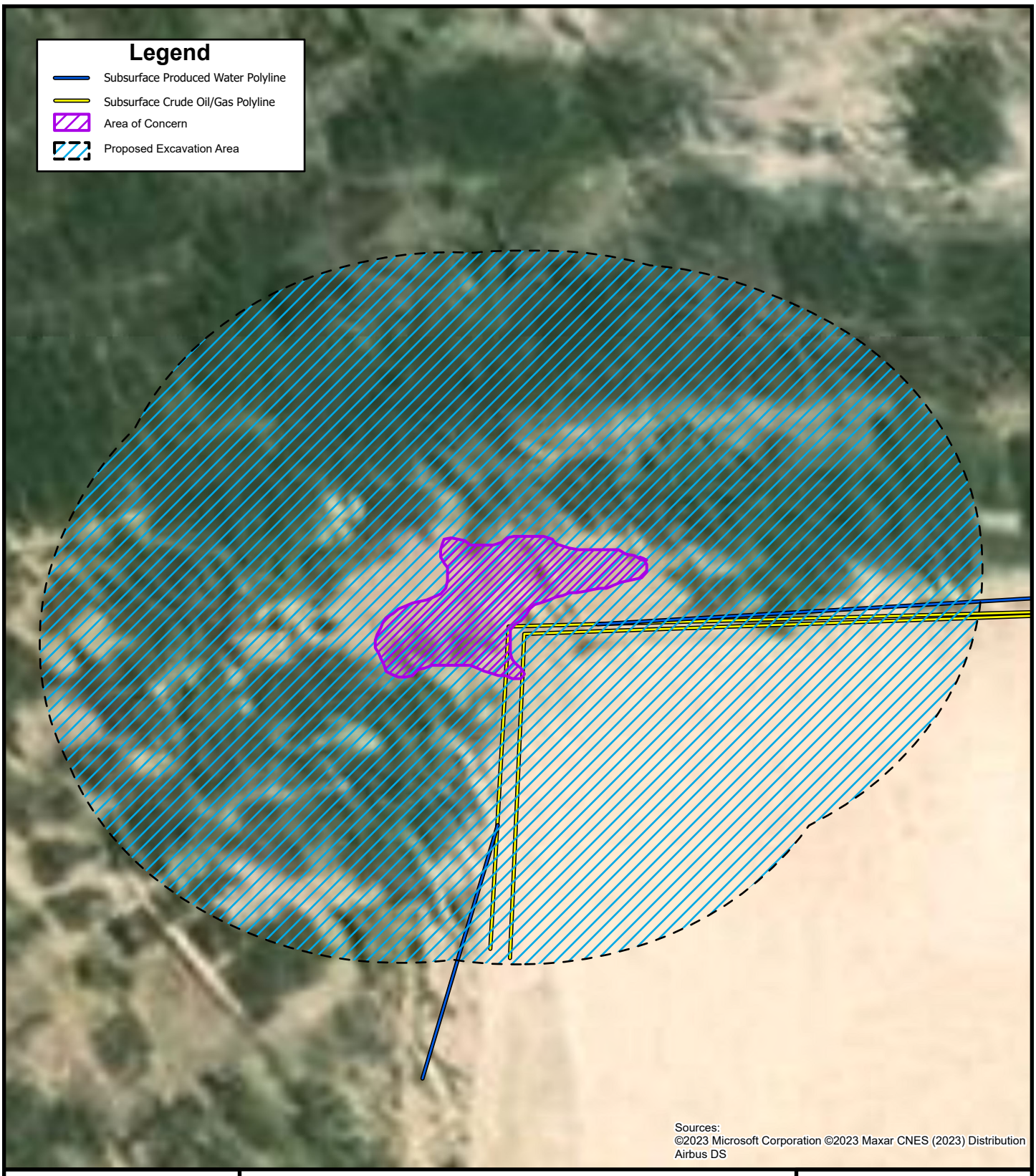
FIGURE 4

Proposed Excavation Areas

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H + G Sec 16 T26S R30E
Eddy County, New Mexico

N

0 62.5 125 Feet



eTECH

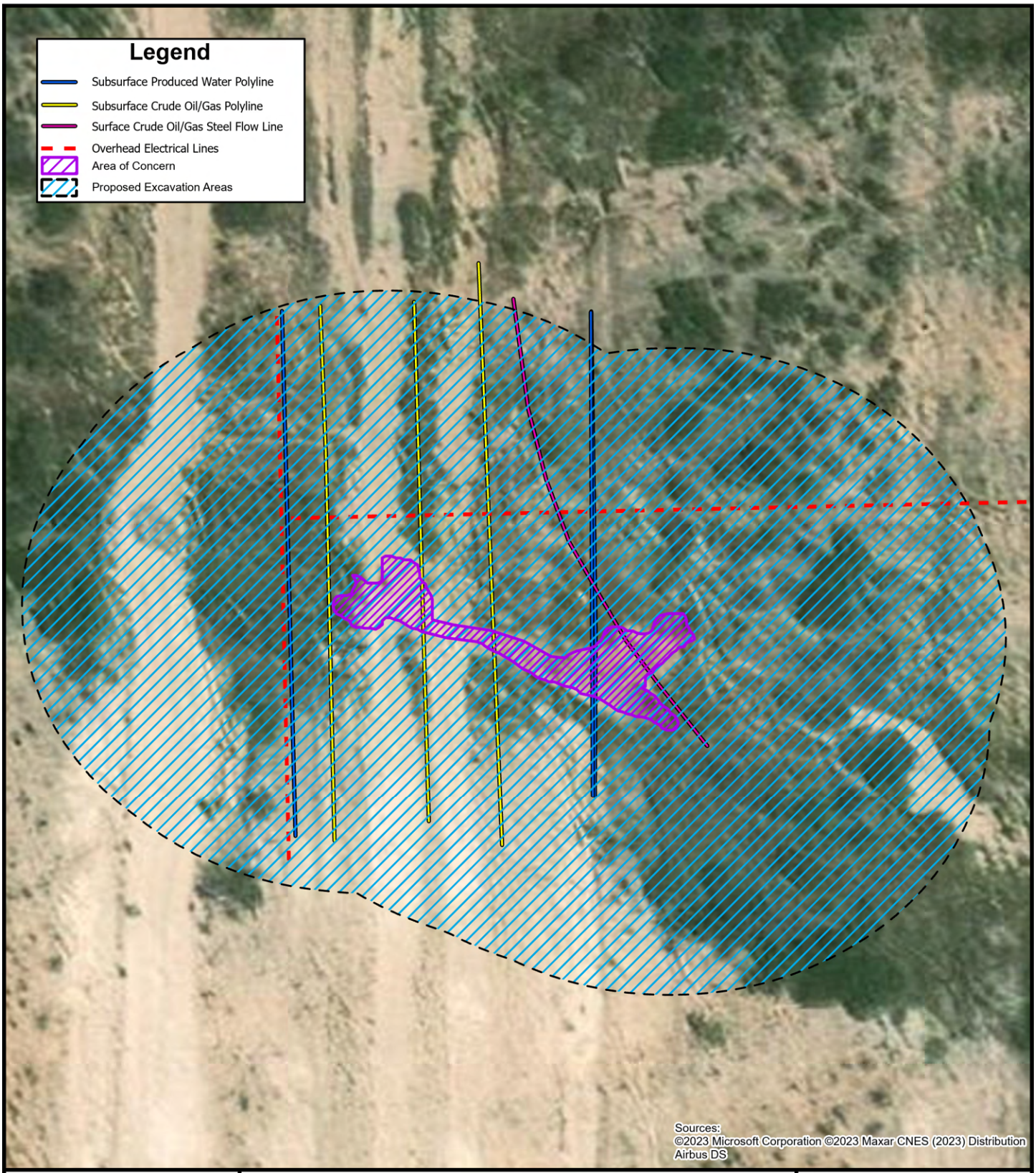
FIGURE 4A

Proposed Excavation Area

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H + G Sec 16 T26S R30E
Eddy County, New Mexico

N

0 13.75 27.5 Feet



eTECH

FIGURE 4B

Proposed Excavation Area

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H + G Sec 16 T26S R30E
Eddy County, New Mexico

N

0 30 60 Feet

APPENDIX B

Referenced Well Records

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DII AUG 8 2022 PM 1:01:17

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 1 (TW-1)	N/A	C-4655

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Devon Energy	575-748-1838

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
6488 7 Rivers Hwy	Artesia	NM	88210

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	2	58.26	N
	LONGITUDE	103	52	48.37	W

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

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

NW NE NE Sec.16 T26S R30E, NMPM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
7/28/2022	7/28/2022	Temporary Well	±55	N/A

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DATE STATIC MEASURED: 7/28/22, 8/2/22

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

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

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	55	±6.5	Boring-HSA	--	--	--	--

3. ANNULAR MATERIAL

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

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4655	POD NO. 1	TRN NO. 729332
LOCATION 26S.30E.16.1.2.2.	WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	4	4	Sand, Fine-grained, poorly graded, Brown	Y ✓ N	
4	48	44	Sand, Fine-grained, poorly graded, with caliche Tan and white	Y ✓ N	
48	55	7	Sand, Fine-grained, poorly graded, Tan Brown	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.

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

Shane Eldridge, Cameron Pruitt

6. SIGNATURE

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

Jack Atkins — Jackie D. Atkins — 8/4/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4655	POD NO. 1	TRN NO. 729332	
LOCATION 26S.30E.16.1.2.2.		WELL TAG ID NO. —	PAGE 2 OF 2

Atkins ENGINEERING ASSOCIATES INC.
2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

August 4, 2022

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

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4655 Pod1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4655 Pod1.

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

Sincerely,

Lucas Middleton

Enclosures: as noted above

OSE DII AUG 8 2022 AM 10:17

APPENDIX C

Soil Sampling Logs

eTECH	Sample Name: BH01	Date: 02/12/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	
Dry	<116	0.5	Yes	BH01	0.5			(0-18') SAND, dry, brown, poorly graded, very fine-fine grain, trace silt, trace fine-small subround caliche gravel (1-2mm), brown stain, no odor.
Moist	328	0.4	No	BH01	4			@4' decrease in gravel, moist.
								@14' increase in silt.
Moist	2,464	0.3	No	BH01	10	10		(18-23') SAND, dry, tan-light brown, well graded with silt, fine-coarse grain, abundant small-large subround-subangular gravel (1-6mm), no stain, no odor.
								(23-34') SAND, dry, tan-light brown, poorly graded with silt, very fine-fine, no stain, unknown odor.
Moist	1,800	0.3	No	BH01	15			@30' unknown odor slightly decreased to faint, increase in silt, trace clay, increased consolidation.
								(34-35') CLAY, dry, brown, fine grain, medium plasticity, cohesive,no stain, no odor.
							SW-SM	
Dry	3,180	0.3	No	BH01	20	20		
							SP-SM	
Dry	5,592	1.4	No	BH01	25			
Dry	4,764	1.3	No	BH01	30	30		
							CL	
Dry	<116	0	No	BH01	35			
								Total Depth

eTECH	Sample Name: BH02	Date: 02/12/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<120	0.3	No	BH02	0.5			(0-18') SAND, dry, brown, poorly graded with silt, very fine - fine grain, some small subround gravel (1mm), trace organics, no stain, no odor.
Dry	<120	0.2	No	BH02	4			@3' gravel increased in size to small-large (1mm-4cm), no organics.
								(18-23') SAND, dry, well graded with silt, fine-coarse grain, abundant small-large subround-subangular gravel (1mm-4cm), no stain, no odor.
Dry	<120	0.4	No	BH02	10	10		(23-28') SAND, dry, tan-light brown, poorly graded, very fine - fine grain, no stain, unknown odor.
								(28-29') CLAYEY SAND, dry, tan-light brown, fine, non-plastic, cohesive, no stain, no odor.
Dry	<120	0.3	No	BH02	15			(29-35') SAND, dry, light brown, poorly graded with silt, very fine-fine grain, no stain, unknown odor.
							SW-SM	@33' increase in clay.
Dry	<120	0.7	No	BH02	20	20		@34' no clay.
							SP	
Dry	<120	0.6	No	BH02	25			
							SC	
							SP-SM	
Dry	2,296	0.7	No	BH02	30	30		
Dry	<120	0.6	No	BH02	35			
							Total Depth	

eTECH	Sample Name: BH03	Date: 02/13/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-18') SAND, dry, brown, poorly graded, very fine-fine grain, trace silt, trace organics, no stain, no odor.
Dry	<116	0.1	No	BH03	0.5			
								@4' no organics.
Dry	<116	0.4	No	BH03	4			
								@10' very earthy-like smell, increased silt.
								@14' color change to tan-light brown, increased consolidation.
								(18-25') SAND, dry, tan-light brown, well graded with silt, fine-coarse grain, abundant small-large subround gravel (1mm-4cm), no stain, no odor.
Dry	<116	0.7	No	BH03	10	10		
								(25-35') SAND, dry, tan-light brown, poorly graded with silt, very fine-fine grain, no stain, unknown odor.
Dry	<116	0.8	No	BH03	15			@30' unknown odor increased, trace clay.
								@34' color change to reddish brown, no odor.
							SW-SM	
Dry	444	0.8	No	BH03	20	20		
Dry	140	1	No	BH03	25		SP-SM	
Dry	<116	0.9	No	BH03	30	30		
Dry	<116	0.5	No	BH03	35			
								Total Depth

eTECH	Sample Name: BH04	Date: 02/13/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	
Dry	<116	0.3	No	BH04	0.5			(0-18') SAND, dry, brown, poorly graded, very fine-fine grain, abundant organics, trace silt, trace small subround caliche gravel, brown stain, no odor.
Dry	<116	0.3	No	BH04	4			@4' increase in silt, no organics.
								(8-35') SAND, dry, tan-light brown, poorly graded with silt, very fine-fine grain, some small subround caliche gravel (1-2mm), no stain, earthy odor.
							SP-SM	
Dry	<116	0.6	No	BH04	10	10		@15' trace reddish brown clayey sand with yellow orange mottling.
								@15.5' no clay.
								@20' color change to tan, faint uknown odor.
Dry	<116	1.1	No	BH04	15			@25' unkown odor increased, decrease in silt.
								@34' some light brown clay.
								@34.5' no clay, increased silt.
Dry	<116	0.9	No	BH04	20	20		
Dry	<116	0.6	No	BH04	25			
						30		
Dry	1,208	1.4	No	BH04	30			
Dry	<116	1.1	No	BH04	35			
								Total Depth

eTECH	Sample Name: BH05	Date: 02/13/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	(0-2') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant sm-lg subround gravel, no stain, no odor.
Dry	<116	0.3	No	BH05	0.5			
							SP-SM	(2-8') SAND, dry, brown, poorly graded with silt, very fine-fine grain, no stain, no odor.
Dry	116	1.5	No	BH05	4			
								(8-13') SAND, dry, tan-light brown, well graded with silt, fine-coarse grain, some small-large subround gravel, no stain, no odor.
							SW-SM	
Dry	<116	0.8	No	BH05	10	10		(13-22') SAND, dry, light brown, poorly graded with silt, very fine-fine grain, trace small subround gravel (1mm), no stain, no odor.
							SP-SM	@19' increase in gravel.
Dry	<116	1.1	No	BH05	15			(22-28') SAND, dry, light brown-brown, well graded with silt, fine-coarse grain, some small-large subround gravel (1mm-10cm), no stain, no odor.
								(28-33') SAND, dry, light brown, poorly graded, very fine-fine, trace silt, no stain, unknown odor.
Dry	<116	0.5	No	BH05	20	20		(33-35') CLAYEY SAND, dry, poorly graded, very fine-fine, non-plastic, cohesive, abundant yellow orange mottling, no stain, no odor.
							SW-SM	
Dry	592	0.9	No	BH05	25			
							SP	
Dry	14,780	2.3	No	BH05	30	30		
							SC	
Dry	140	0.5	No	BH05	35			
								Total Depth

eTECH	Sample Name: BH06	Date: 02/14/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-35') SAND, moist, brown, poorly graded with silt, very fine - fine grain, trace small subround gravel (1mm), brown stain, H-C odor.
Moist	368	169.4	Yes	BH06	0.5			
Moist	14,780	202.7	Yes	BH06	4			@3' color change to dark brown.
								@8' color change to light brown, no gravel, H-C odor less prevelant.
Dry	14,780	27.2	No	BH06	10	10		@14' color change to light brown-reddish brown, trace small subround to subangular gravel, trace clay, unknown odor.
								@19' color changed to light brown, no clay, no gravel, unknown odor very prevalent.
Dry	8,448	0.6	No	BH06	15			@24' some clay.
								@24.5' color change to tan.
								@28' color change to reddish brown, unknown odor still prevalent.
Dry	1,860	1	No	BH06	20	20		
Dry	1,312	0.9	No	BH06	25			
Dry	<120	1.3	No	BH06	30	30		
Dry	<120	0.5	No	BH06	35			
						Total Depth		

eTECH	Sample Name: BH07	Date: 02/14/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Moist	2,480	2.3	Yes	BH07	0.5			(0-8') SAND, moist, brown, poorly graded with silt, very fine - fine grain, trace small subround gravel (1mm), brown stain, faint H-C odor.
Moist	9,212	233.2	Yes	BH07	4			@4' color change to dark brown, H-C odor very strong, no gravel, trace clay.
								(8-18') SAND, moist, tan-light brown, well graded with silt, very fine-coarse grain, trace small subround gravel (1mm), no stain, no odor.
							SW-SM	
Moist	5,164	21.7	No	BH07	10	10		@15' color change to tan, H-C odor very strong, gravel size increased to small-large (1mm-3cm).
								(18-35') SAND, dry, tan-light brown, poorly graded with silt, very fine-fine grain, trace small-large subround gravel (1mm-2cm), no stain, faint H-C odor mixed with unknown.
Dry	9,208	734.4	No	BH07	15			@24' some clay, increased consolidation, no H-C odor but still has faint unknown odor.
							SP-SM	
Dry	3,744	11.4	No	BH07	20	20		@28' unknown odor very prevalent.
								@34' unknown odor faint.
Dry	5,592	0.7	No	BH07	25			
Dry	716	0.5	No	BH07	30	30		
Dry	<120	0.3	No	BH07	35			
								Total Depth

eTECH	Sample Name: BH08	Date: 02/14/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<120	0.2	No	BH08	0.5			(0-24') SAND, dry, brown, poorly graded with silt, very fine - fine grain, some small-large subround-subangular caliche gravel (1mm-4cm), no stain, no odor.
Moist	2,684	0.4	No	BH08	4			@2' color change to dark brown, no gravel.
								@4' color change to light brown, trace large subround gravel (4cm).
								@8' no gravel.
Dry	8,448	0.4	No	BH08	10	10		@15' unknown odor.
								@19' unknown odor prevalent.
								(24-35') CLAYEY SAND, dry, reddish brown, poorly graded, very fine grain, non-plastic, cohesive, no stain, no odor.
Dry	1,228	0.6	No	BH08	15			
Dry	1,992	0.6	No	BH08	20	20		
							SC	
Dry	196	0.4	No	BH08	25			
Dry	<120	0.1	No	BH08	30	30		
Dry	<120	0.2	No	BH08	35			
								Total Depth

eTECH	Sample Name: BH09	Date: 02/15/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-35') SAND, dry, brown, poorly graded with silt, very fine - fine grain, no stain, no odor.
Dry	120	0.8	No	BH09	0.5			
								@3' color change to dark brown.
Dry	3,744	0.5	No	BH09	4			
								@8' some small-medium subround gravel.
								@9' color change to light brown, no gravel, unknown odor.
								@14' color change to tan, decrease in silt.
Dry	<120	0.7	No	BH09	10	10		@18' color change to reddish brown, trace clay.
								@29' no clay.
Dry	<120	1.2	No	BH09	15			
Dry	<120	0.8	No	BH09	20	20		
Dry	<120	0.7	No	BH09	25			
Dry	<120	0.6	No	BH09	30	30		
Dry	<120	0.8	No	BH09	35			
						Total Depth		

eTECH	Sample Name: BH10	Date: 02/15/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 10'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-10') SAND, dry, brown, poorly graded with silt, very fine - fine grain, trace small subround-subangular caliche gravel, no stain, no odor.
Dry	<120	0.7	Yes	BH10	0.5			
Dry	<120	1.1	No	BH10	4			@2' color change to dark brown.
								@8' color change to reddish brown.
Dry	<120	1	No	BH10	10	10		

Total Depth

eTECH	Sample Name: BH11	Date: 02/15/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 10'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-3') SAND, dry, dark brown, poorly graded with silt, very fine-fine grain, some organics, no stain, earthy odor.
Dry	<120	0.8	No	BH11	0.5			
							CCHE	(3-8') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
Dry	<120	0.9	No	BH11	4			
							SP-SM	(8-10') SAND, dry, light brown, poorly graded with silt, very-fine grain, no stain, no odor.
Dry	<120	0.6	No	BH11	10	10		

Total Depth

eTECH	Sample Name: BH12	Date: 02/15/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-8') SAND, dry, brown, poorly graded with silt, very fine - fine grain, trace organics, no stain, no odor.
Dry	<120	0.5	No	BH12	0.5			
								@3' color change to light brown, trace small-large subround gravel (1mm-4cm)
Dry	<120	0.5	No	BH12	4			
								(8-18') SAND, dry, reddish brown, well graded with silt, fine - coarse grain, trace small subround gravel (1mm), no stain, no odor.
							SW-SM	
Dry	<120	1	No	BH12	10	10		(18-35') SAND, dry, tan-light brown, poorly graded, very fine - fine grain, trace silt, no stain, unknown odor.
								@24' some reddish brown clay.
								@28' color change to tan, no clay.
Dry	<120	0.5	No	BH12	15			
							SP	
Dry	488	0.6	No	BH12	20	20		
Dry	9,212	0.7	No	BH12	25			
Dry	260	0.5	No	BH12	30	30		
Dry	<120	0.7	No	BH12	35			
								Total Depth

APPENDIX D

Photographic Log

PHOTOGRAPHIC LOG
WPX Energy Permian, LLC
RDX 16 #004
Incident Number nAPP2223636403

Photograph 1 **Date: 02/12/2024**
Description: Northwestern view of Delineation activities near BH05.

Photograph 2 **Date: 02/13/2024**
Description: Southeastern view of Delineation activities near BH03.

Photograph 3 **Date: 02/13/2024**
Description: Northeastern view of Delineation activities near BH04.

Photograph 4 **Date: 02/13/2024**
Description: Northern view of Delineation activities near BH05.

PHOTOGRAPHIC LOG
WPX Energy Permian, LLC
RDX 16 #004
Incident Number nAPP2223636403

Photograph 5 **Date: 02/14/2024**
Description: Northwestern view of Delineation actvities near BH07.

Photograph 6 **Date: 02/15/2024**
Description: Southern view of Delineation activities near BH09.

Photograph 7 **Date: 02/15/2024**
Description: Northeastern view of Delineation activties near BH11.

Photograph 8 **Date: 02/15/2024**
Description: Northeastern view of Delineation activities near BH12.

APPENDIX E

Tables

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX 16 #004
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)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**100**	**600**
Delineation Soil Samples - nAPP2223636403									
BH01	02/12/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH01	02/12/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	360
BH01	02/12/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**3,120**
BH01	02/12/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**2,260**
BH01	02/12/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**4,220**
BH01	02/12/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**6,210**
BH01	02/12/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**8,620**
BH01	02/12/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	60.5
BH02	02/15/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	72.8	72.8	<20.0
BH02	02/15/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH02	02/15/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH02	02/15/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH02	02/15/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	31.0
BH02	02/15/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	98.4
BH02	02/15/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**2,540**
BH02	02/15/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH03	02/13/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	44.9
BH03	02/13/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH03	02/13/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH03	02/13/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	82.2
BH03	02/13/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**676**
BH03	02/13/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	215
BH03	02/13/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	20.6
BH03	02/13/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	70.2

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX 16 #004
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)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**100**	**600**
BH04	02/13/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	126
BH04	02/13/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04	02/13/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04	02/13/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04	02/13/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04	02/13/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04	02/13/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**1,240**
BH04	02/13/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	47.2
BH05	02/13/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	45.3
BH05	02/13/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	132
BH05	02/13/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH05	02/13/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH05	02/13/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH05	02/13/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**710**
BH05	02/13/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**14,300**
BH05	02/13/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	169
BH06	02/14/2024	0.5	<0.0250	0.704	29.4	3,240	1,940	**5,210**	591
BH06	02/14/2024	4	<0.0250	0.367	<20.0	145	62.8	**208**	**15,800**
BH06	02/14/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**16,100**
BH06	02/14/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**11,500**
BH06	02/14/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**2,060**
BH06	02/14/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**1,650**
BH06	02/14/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	175
BH06	02/14/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX 16 #004
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)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**100**	**600**
BH07	02/14/2024	0.5	<0.0250	<0.0500	<20.0	1,010	1,180	**2,190**	**4,240**
BH07	02/14/2024	4	<0.0250	5.01	103	2,900	1,280	**4,180**	**10,600**
BH07	02/14/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**9,170**
BH07	02/14/2024	15	0.149	12.3	133	4,210	1,510	**5,720**	**12,100**
BH07	02/14/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**4,320**
BH07	02/14/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**9,320**
BH07	02/14/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**825**
BH07	02/14/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH08	02/14/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	69.0
BH08	02/14/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**3,060**
BH08	02/14/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**9,980**
BH08	02/14/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**1,900**
BH08	02/14/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**2,540**
BH08	02/14/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	377
BH08	02/14/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH08	02/14/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09	02/15/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	155
BH09	02/15/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**4,670**
BH09	02/15/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	40.7
BH09	02/15/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09	02/15/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09	02/15/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09	02/15/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09	02/15/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX 16 #004
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)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**100**	**600**
BH10	02/15/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH10	02/15/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	35.5
BH10	02/15/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	50.1
BH11	02/15/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	22.8
BH11	02/15/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	29.4
BH11	02/15/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH12	02/15/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	64.2
BH12	02/15/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH12	02/15/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH12	02/15/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH12	02/15/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	425
BH12	02/15/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**13,400**
BH12	02/15/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	377
BH12	02/15/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0

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

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 16 #004

Work Order: E402115

Job Number: 01058-0007

Received: 2/14/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/16/24

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: 2/16/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402115
Date Received: 2/14/2024 8:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/14/2024 8:00:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/16/24 08:14

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 0.5'	E402115-01A	Soil	02/12/24	02/14/24	Glass Jar, 4 oz.
BH01 4'	E402115-02A	Soil	02/12/24	02/14/24	Glass Jar, 4 oz.
BH01 10'	E402115-03A	Soil	02/12/24	02/14/24	Glass Jar, 4 oz.
BH01 15'	E402115-04A	Soil	02/12/24	02/14/24	Glass Jar, 4 oz.
BH01 20'	E402115-05A	Soil	02/12/24	02/14/24	Glass Jar, 4 oz.
BH01 25'	E402115-06A	Soil	02/12/24	02/14/24	Glass Jar, 4 oz.
BH01 30'	E402115-07A	Soil	02/12/24	02/14/24	Glass Jar, 4 oz.
BH01 35'	E402115-08A	Soil	02/12/24	02/14/24	Glass Jar, 4 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

BH01 0.5'

E402115-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Benzene	ND	0.0250	1	02/14/24	02/15/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24	
Toluene	ND	0.0250	1	02/14/24	02/15/24	
o-Xylene	ND	0.0250	1	02/14/24	02/15/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/15/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.7 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2407045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/24	02/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/24	02/14/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*02/14/24*	*02/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407046
Chloride	ND	20.0	1	02/14/24	02/14/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

BH01 4'

E402115-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Benzene	ND	0.0250	1	02/14/24	02/15/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24	
Toluene	ND	0.0250	1	02/14/24	02/15/24	
o-Xylene	ND	0.0250	1	02/14/24	02/15/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/15/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.4 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2407045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/24	02/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/24	02/14/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*02/14/24*	*02/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407046
Chloride	**360**	20.0	1	02/14/24	02/14/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

BH01 10'

E402115-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Benzene	ND	0.0250	1	02/14/24	02/15/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24	
Toluene	ND	0.0250	1	02/14/24	02/15/24	
o-Xylene	ND	0.0250	1	02/14/24	02/15/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/15/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.9 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2407045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/24	02/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/24	02/14/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*02/14/24*	*02/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407046
Chloride	**3120**	40.0	2	02/14/24	02/14/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

BH01 15'

E402115-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Benzene	ND	0.0250	1	02/14/24	02/15/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24	
Toluene	ND	0.0250	1	02/14/24	02/15/24	
o-Xylene	ND	0.0250	1	02/14/24	02/15/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/15/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.0 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2407045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/24	02/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/24	02/14/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*02/14/24*	*02/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407046
Chloride	**2260**	20.0	1	02/14/24	02/14/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

BH01 20'

E402115-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Benzene	ND	0.0250	1	02/14/24	02/15/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24	
Toluene	ND	0.0250	1	02/14/24	02/15/24	
o-Xylene	ND	0.0250	1	02/14/24	02/15/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/15/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.9 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2407045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/24	02/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/24	02/14/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*02/14/24*	*02/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407046
Chloride	**4220**	40.0	2	02/14/24	02/14/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

BH01 25'

E402115-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Benzene	ND	0.0250	1	02/14/24	02/14/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/14/24	
Toluene	ND	0.0250	1	02/14/24	02/14/24	
o-Xylene	ND	0.0250	1	02/14/24	02/14/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/14/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*70-130*	*02/14/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*02/14/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2407045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/24	02/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/24	02/14/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*02/14/24*	*02/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407046
Chloride	**6210**	40.0	2	02/14/24	02/14/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

BH01 30'

E402115-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Benzene	ND	0.0250	1	02/14/24	02/15/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24	
Toluene	ND	0.0250	1	02/14/24	02/15/24	
o-Xylene	ND	0.0250	1	02/14/24	02/15/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/15/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.8 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2407045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/24	02/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/24	02/14/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*02/14/24*	*02/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407046
Chloride	**8620**	100	5	02/14/24	02/14/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

BH01 35'

E402115-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Benzene	ND	0.0250	1	02/14/24	02/14/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/14/24	
Toluene	ND	0.0250	1	02/14/24	02/14/24	
o-Xylene	ND	0.0250	1	02/14/24	02/14/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/14/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.8 %*	*70-130*	*02/14/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.9 %*	*70-130*	*02/14/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2407045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/24	02/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/24	02/14/24	
Surrogate: n-Nonane		*121 %*	*50-200*	*02/14/24*	*02/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407046
Chloride	**60.5**	20.0	1	02/14/24	02/14/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407041-BLK1)									Prepared: 02/14/24 Analyzed: 02/14/24
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	*7.62*		*8.00*		*95.2*	*70-130*			
LCS (2407041-BS1)									Prepared: 02/14/24 Analyzed: 02/14/24
Benzene	4.97	0.0250	5.00		99.4	70-130			
Ethylbenzene	5.05	0.0250	5.00		101	70-130			
Toluene	5.12	0.0250	5.00		102	70-130			
o-Xylene	5.13	0.0250	5.00		103	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			
Matrix Spike (2407041-MS1)				**Source: E402109-01**					Prepared: 02/14/24 Analyzed: 02/14/24
Benzene	4.47	0.0250	5.00	ND	89.5	54-133			
Ethylbenzene	4.56	0.0250	5.00	ND	91.3	61-133			
Toluene	4.61	0.0250	5.00	ND	92.3	61-130			
o-Xylene	4.63	0.0250	5.00	ND	92.5	63-131			
p,m-Xylene	9.34	0.0500	10.0	ND	93.4	63-131			
Total Xylenes	14.0	0.0250	15.0	ND	93.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.41*		*8.00*		*92.6*	*70-130*			
Matrix Spike Dup (2407041-MSD1)				**Source: E402109-01**					Prepared: 02/14/24 Analyzed: 02/14/24
Benzene	4.39	0.0250	5.00	ND	87.8	54-133	1.91	20	
Ethylbenzene	4.50	0.0250	5.00	ND	89.9	61-133	1.51	20	
Toluene	4.54	0.0250	5.00	ND	90.8	61-130	1.60	20	
o-Xylene	4.55	0.0250	5.00	ND	91.0	63-131	1.69	20	
p,m-Xylene	9.19	0.0500	10.0	ND	91.9	63-131	1.60	20	
Total Xylenes	13.7	0.0250	15.0	ND	91.6	63-131	1.63	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.32*		*8.00*		*91.4*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407041-BLK1)									Prepared: 02/14/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.2*	*70-130*			
LCS (2407041-BS2)									Prepared: 02/14/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*8.00*		*93.9*	*70-130*			
Matrix Spike (2407041-MS2)				**Source: E402109-01**					Prepared: 02/14/24 Analyzed: 02/15/24
Gasoline Range Organics (C6-C10)	43.9	20.0	50.0	ND	87.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.7*	*70-130*			
Matrix Spike Dup (2407041-MSD2)				**Source: E402109-01**					Prepared: 02/14/24 Analyzed: 02/15/24
Gasoline Range Organics (C6-C10)	45.2	20.0	50.0	ND	90.3	70-130	2.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407045-BLK1)									Prepared: 02/14/24 Analyzed: 02/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.5*		*50.0*		*111*	*50-200*			
LCS (2407045-BS1)									Prepared: 02/14/24 Analyzed: 02/14/24
Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132			
Surrogate: n-Nonane	*58.1*		*50.0*		*116*	*50-200*			
Matrix Spike (2407045-MS1)				**Source: E402112-04**					Prepared: 02/14/24 Analyzed: 02/14/24
Diesel Range Organics (C10-C28)	279	25.0	250	ND	112	38-132			
Surrogate: n-Nonane	*56.5*		*50.0*		*113*	*50-200*			
Matrix Spike Dup (2407045-MSD1)				**Source: E402112-04**					Prepared: 02/14/24 Analyzed: 02/14/24
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	38-132	2.52	20	
Surrogate: n-Nonane	*56.2*		*50.0*		*112*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

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 (2407046-BLK1)									Prepared: 02/14/24 Analyzed: 02/14/24
Chloride	ND	20.0							
LCS (2407046-BS1)									Prepared: 02/14/24 Analyzed: 02/14/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2407046-MS1)				**Source: E402115-02**					Prepared: 02/14/24 Analyzed: 02/14/24
Chloride	631	20.0	250	360	108	80-120			
Matrix Spike Dup (2407046-MSD1)				**Source: E402115-02**					Prepared: 02/14/24 Analyzed: 02/14/24
Chloride	637	20.0	250	360	111	80-120	0.923	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/16/24 08:14

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 2/14/2024 12:16:56PM

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:	02/14/24 08:00	Work Order ID:	E402115
Phone:	(539) 573-4018	Date Logged In:	02/14/24 08:48	Logged In By:	Angelina Pineda
Email:	devon-team@ensolum.com	Due Date:	02/14/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? 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 16 #004
Work Order:	E402161
Job Number:	01058-0007
Received:	2/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/26/24

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: 2/26/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402161
Date Received: 2/19/2024 7:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/19/2024 7:30:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/26/24 13:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 0.5'	E402161-01A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
BH02 4'	E402161-02A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
BH02 10'	E402161-03A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
BH02 15'	E402161-04A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
BH02 20'	E402161-05A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
BH02 25'	E402161-06A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
BH02 30	E402161-07A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
BH02 35'	E402161-08A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

BH02 0.5'

E402161-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/23/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/23/24	
Toluene	ND	0.0250	1	02/19/24	02/23/24	
o-Xylene	ND	0.0250	1	02/19/24	02/23/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/23/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*02/19/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*02/19/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	**72.8**	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

BH02 4'

E402161-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/23/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/23/24	
Toluene	ND	0.0250	1	02/19/24	02/23/24	
o-Xylene	ND	0.0250	1	02/19/24	02/23/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/23/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*02/19/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*02/19/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

BH02 10'

E402161-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/20/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

BH02 15'

E402161-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

BH02 20'

E402161-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.0 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	**31.0**	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

BH02 25'

E402161-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.5 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	**98.4**	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

BH02 30

E402161-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	**2540**	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

BH02 35'

E402161-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.6 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

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 (2408011-BLK1)									Prepared: 02/19/24 Analyzed: 02/23/24
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	*7.59*		*8.00*		*94.9*	*70-130*			
LCS (2408011-BS1)									Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	4.94	0.0250	5.00		98.8	70-130			
Ethylbenzene	4.83	0.0250	5.00		96.6	70-130			
Toluene	4.96	0.0250	5.00		99.2	70-130			
o-Xylene	4.90	0.0250	5.00		97.9	70-130			
p,m-Xylene	9.87	0.0500	10.0		98.7	70-130			
Total Xylenes	14.8	0.0250	15.0		98.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.61*		*8.00*		*95.2*	*70-130*			
Matrix Spike (2408011-MS1)				**Source: E402162-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	4.99	0.0250	5.00	ND	99.8	54-133			
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	4.94	0.0250	5.00	ND	98.9	63-131			
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.54*		*8.00*		*94.2*	*70-130*			
Matrix Spike Dup (2408011-MSD1)				**Source: E402162-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	5.01	0.0250	5.00	ND	100	54-133	0.459	20	
Ethylbenzene	4.90	0.0250	5.00	ND	98.1	61-133	0.458	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	0.373	20	
o-Xylene	4.96	0.0250	5.00	ND	99.3	63-131	0.411	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	0.425	20	
Total Xylenes	15.0	0.0250	15.0	ND	99.8	63-131	0.420	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.50*		*8.00*		*93.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

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 (2408011-BLK1)									Prepared: 02/19/24 Analyzed: 02/23/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.3*	*70-130*			
LCS (2408011-BS2)									Prepared: 02/19/24 Analyzed: 02/26/24
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		*8.00*		*93.5*	*70-130*			
Matrix Spike (2408011-MS2)				**Source: E402162-01**					Prepared: 02/19/24 Analyzed: 02/23/24
Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.56*		*8.00*		*94.5*	*70-130*			
Matrix Spike Dup (2408011-MSD2)				**Source: E402162-01**					Prepared: 02/19/24 Analyzed: 02/23/24
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.1	70-130	3.61	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		*8.00*		*94.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

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 (2408020-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.0*		*50.0*		*112*	*50-200*			
LCS (2408020-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*50-200*			
Matrix Spike (2408020-MS1)				**Source: E402161-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132			
Surrogate: n-Nonane	*48.4*		*50.0*		*96.8*	*50-200*			
Matrix Spike Dup (2408020-MSD1)				**Source: E402161-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	38-132	0.358	20	
Surrogate: n-Nonane	*48.8*		*50.0*		*97.5*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

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 (2408043-BLK1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	ND	20.0							
LCS (2408043-BS1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2408043-MS1)				**Source: E402161-03**					Prepared: 02/20/24 Analyzed: 02/21/24
Chloride	250	20.0	250	ND	99.9	80-120			
Matrix Spike Dup (2408043-MSD1)				**Source: E402161-03**					Prepared: 02/20/24 Analyzed: 02/21/24
Chloride	250	20.0	250	ND	99.8	80-120	0.123	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/26/24 13:19

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 2/19/2024 10:25:12AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/19/24 07:30	Work Order ID:	E402161
Phone:	(539) 573-4018	Date Logged In:	02/19/24 08:57	Logged In By:	Angelina Pineda
Email:	devon-team@etechenv.com	Due Date:	02/23/24 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 16 #004
Work Order:	E402124
Job Number:	01058-0007
Received:	2/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/21/24

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: 2/21/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402124
Date Received: 2/15/2024 8:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/15/2024 8:00:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 12:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03 0.5'	E402124-01A	Soil	02/13/24	02/15/24	Glass Jar, 4 oz.
BH03 4'	E402124-02A	Soil	02/13/24	02/15/24	Glass Jar, 4 oz.
BH03 10'	E402124-03A	Soil	02/13/24	02/15/24	Glass Jar, 4 oz.
BH03 15'	E402124-04A	Soil	02/13/24	02/15/24	Glass Jar, 4 oz.
BH03 20'	E402124-05A	Soil	02/13/24	02/15/24	Glass Jar, 4 oz.
BH03 25'	E402124-06A	Soil	02/13/24	02/15/24	Glass Jar, 4 oz.
BH03 30'	E402124-07A	Soil	02/13/24	02/15/24	Glass Jar, 4 oz.
BH03 35'	E402124-08A	Soil	02/13/24	02/15/24	Glass Jar, 4 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

BH03 0.5'

E402124-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/15/24	
Surrogate: n-Nonane		*94.3 %*	*50-200*	*02/15/24*	*02/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	**44.9**	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

BH03 4'

E402124-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/15/24	
Surrogate: n-Nonane		*93.4 %*	*50-200*	*02/15/24*	*02/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	ND	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

BH03 10'

E402124-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.1 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/15/24	
Surrogate: n-Nonane		*90.0 %*	*50-200*	*02/15/24*	*02/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	ND	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

BH03 15'

E402124-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.3 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/15/24	
Surrogate: n-Nonane		*91.7 %*	*50-200*	*02/15/24*	*02/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	**82.2**	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

BH03 20'

E402124-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.8 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/15/24	
Surrogate: n-Nonane		*84.2 %*	*50-200*	*02/15/24*	*02/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	**676**	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

BH03 25'

E402124-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.7 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/15/24	
Surrogate: n-Nonane		*93.6 %*	*50-200*	*02/15/24*	*02/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	**215**	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

BH03 30'

E402124-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.6 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/15/24	
Surrogate: n-Nonane		*90.9 %*	*50-200*	*02/15/24*	*02/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	**20.6**	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

BH03 35'

E402124-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.6 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.1 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*96.9 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	**70.2**	20.0	1	02/16/24	02/16/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
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	*7.28*		*8.00*		*91.1*	*70-130*			
LCS (2407065-BS1)									Prepared: 02/15/24 Analyzed: 02/17/24
Benzene	4.12	0.0250	5.00		82.4	70-130			
Ethylbenzene	4.07	0.0250	5.00		81.4	70-130			
Toluene	4.09	0.0250	5.00		81.8	70-130			
o-Xylene	4.02	0.0250	5.00		80.4	70-130			
p,m-Xylene	8.21	0.0500	10.0		82.1	70-130			
Total Xylenes	12.2	0.0250	15.0		81.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.31*		*8.00*		*91.3*	*70-130*			
Matrix Spike (2407065-MS1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.41	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.40	0.0250	5.00	ND	108	61-133			
Toluene	5.39	0.0250	5.00	ND	108	61-130			
o-Xylene	5.32	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike Dup (2407065-MSD1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.15	0.0250	5.00	ND	103	54-133	4.94	20	
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133	4.91	20	
Toluene	5.14	0.0250	5.00	ND	103	61-130	4.88	20	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	5.14	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	4.88	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	4.96	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.3*	*70-130*			
LCS (2407065-BS2)									Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2407065-MS2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike Dup (2407065-MSD2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	0.355	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

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 (2407069-BLK1)									Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.3*		*50.0*		*94.5*	*50-200*			
LCS (2407069-BS1)									Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	246	25.0	250		98.5	38-132			
Surrogate: n-Nonane	*46.8*		*50.0*		*93.5*	*50-200*			
Matrix Spike (2407069-MS1)				**Source: E402124-02**					Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	*44.8*		*50.0*		*89.7*	*50-200*			
Matrix Spike Dup (2407069-MSD1)				**Source: E402124-02**					Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	1.57	20	
Surrogate: n-Nonane	*42.5*		*50.0*		*85.0*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

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 (2407084-BLK1)									Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	ND	20.0							
LCS (2407084-BS1)									Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2407084-MS1)				**Source: E402124-02**					Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	250	20.0	250	ND	100	80-120			
Matrix Spike Dup (2407084-MSD1)				**Source: E402124-02**					Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	251	20.0	250	ND	100	80-120	0.114	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 12:52

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	
Project: RDX 16 #004	
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: Gilbert Moreno	

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
WBS/WO: 21095164
Incident ID: nAPP2223636403

Lab Use Only 0058-0007

Lab WO# E402124 | Job Number ~~04108-0057~~ AR

TAT: 1D | 2D | 3D | Standard: 5 Day TAT

EPA Program: CWA | SDWA | RCRA

State: NM x | 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	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
9:00	2.13.24	S	1	BH03	1	0.5'								X				
9:20	2.13.24	S	1	BH03	2	4'								X				
9:30	2.13.24	S	1	BH03	3	10'								X				
9:40	2.13.24	S	1	BH03	4	15'								X				
9:50	2.13.24	S	1	BH03	5	20'								X				
10:00	2.13.24	S	1	BH03	6	25'								X				
10:10	2.13.24	S	1	BH03	7	30								X				
10:20	2.13.24	S	1	BH03	8	35'								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: GM

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
	2.14.24		Michelle Kramp	2-14-24	0956
Michelle Kramp	2-14-24	1515	Andrew Mesa	2.14.24	1900
Andrew Mesa	2.14.24	2400		2/15/24	0800

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: 2/15/2024 12:49:25PM

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:	02/15/24 08:00	Work Order ID:	E402124
Phone:	(539) 573-4018	Date Logged In:	02/15/24 08:40	Logged In By:	Angelina Pineda
Email:	devon-team@ensolum.com	Due Date:	02/21/24 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 discussion.	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 16 #004

Work Order: E402127

Job Number: 01058-0007

Received: 2/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/19/24

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: 2/19/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402127
Date Received: 2/15/2024 8:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/15/2024 8:00:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/19/24 15:22

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04 0.5'	E402127-01A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH04 4'	E402127-02A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH04 10'	E402127-03A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH04 15'	E402127-04A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH04 20'	E402127-05A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH04 25'	E402127-06A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

BH04 0.5'

E402127-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Benzene	ND	0.0250	1	02/15/24	02/16/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/16/24	
Toluene	ND	0.0250	1	02/15/24	02/16/24	
o-Xylene	ND	0.0250	1	02/15/24	02/16/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/16/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.3 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*92.8 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	**126**	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

BH04 4'

E402127-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Benzene	ND	0.0250	1	02/15/24	02/16/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/16/24	
Toluene	ND	0.0250	1	02/15/24	02/16/24	
o-Xylene	ND	0.0250	1	02/15/24	02/16/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/16/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*93.3 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	ND	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

BH04 10'

E402127-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Benzene	ND	0.0250	1	02/15/24	02/16/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/16/24	
Toluene	ND	0.0250	1	02/15/24	02/16/24	
o-Xylene	ND	0.0250	1	02/15/24	02/16/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/16/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.8 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*89.2 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	ND	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

BH04 15'

E402127-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Benzene	ND	0.0250	1	02/15/24	02/16/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/16/24	
Toluene	ND	0.0250	1	02/15/24	02/16/24	
o-Xylene	ND	0.0250	1	02/15/24	02/16/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/16/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.8 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*83.8 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	ND	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

BH04 20'

E402127-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Benzene	ND	0.0250	1	02/15/24	02/16/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/16/24	
Toluene	ND	0.0250	1	02/15/24	02/16/24	
o-Xylene	ND	0.0250	1	02/15/24	02/16/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/16/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.5 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*91.3 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	ND	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

BH04 25'

E402127-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Benzene	ND	0.0250	1	02/15/24	02/16/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/16/24	
Toluene	ND	0.0250	1	02/15/24	02/16/24	
o-Xylene	ND	0.0250	1	02/15/24	02/16/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/16/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*86.3 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	ND	20.0	1	02/16/24	02/16/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407062-BLK1)									Prepared: 02/15/24 Analyzed: 02/16/24
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	*7.76*		*8.00*		*97.0*	*70-130*			
LCS (2407062-BS1)									Prepared: 02/15/24 Analyzed: 02/16/24
Benzene	3.61	0.0250	5.00		72.1	70-130			
Ethylbenzene	4.07	0.0250	5.00		81.4	70-130			
Toluene	3.99	0.0250	5.00		79.7	70-130			
o-Xylene	4.16	0.0250	5.00		83.1	70-130			
p,m-Xylene	8.35	0.0500	10.0		83.5	70-130			
Total Xylenes	12.5	0.0250	15.0		83.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.2*	*70-130*			
Matrix Spike (2407062-MS1)				**Source: E402122-05**					Prepared: 02/15/24 Analyzed: 02/16/24
Benzene	4.65	0.0250	5.00	ND	93.0	54-133			
Ethylbenzene	4.53	0.0250	5.00	ND	90.7	61-133			
Toluene	4.64	0.0250	5.00	ND	92.8	61-130			
o-Xylene	4.57	0.0250	5.00	ND	91.4	63-131			
p,m-Xylene	9.28	0.0500	10.0	ND	92.8	63-131			
Total Xylenes	13.9	0.0250	15.0	ND	92.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike Dup (2407062-MSD1)				**Source: E402122-05**					Prepared: 02/15/24 Analyzed: 02/16/24
Benzene	4.36	0.0250	5.00	ND	87.2	54-133	6.41	20	
Ethylbenzene	4.26	0.0250	5.00	ND	85.2	61-133	6.26	20	
Toluene	4.35	0.0250	5.00	ND	87.1	61-130	6.38	20	
o-Xylene	4.30	0.0250	5.00	ND	86.0	63-131	6.16	20	
p,m-Xylene	8.72	0.0500	10.0	ND	87.2	63-131	6.20	20	
Total Xylenes	13.0	0.0250	15.0	ND	86.8	63-131	6.18	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.7*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

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 (2407062-BLK1)									Prepared: 02/15/24 Analyzed: 02/16/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.8*	*70-130*			
LCS (2407062-BS2)									Prepared: 02/15/24 Analyzed: 02/16/24
Gasoline Range Organics (C6-C10)	41.3	20.0	50.0		82.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.6*	*70-130*			
Matrix Spike (2407062-MS2)				**Source: E402122-05**					Prepared: 02/15/24 Analyzed: 02/16/24
Gasoline Range Organics (C6-C10)	37.9	20.0	50.0	ND	75.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.43*		*8.00*		*92.8*	*70-130*			
Matrix Spike Dup (2407062-MSD2)				**Source: E402122-05**					Prepared: 02/15/24 Analyzed: 02/16/24
Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	ND	86.1	70-130	12.7	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*8.00*		*93.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

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 (2407069-BLK1)									Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.3*		*50.0*		*94.5*	*50-200*			
LCS (2407069-BS1)									Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	246	25.0	250		98.5	38-132			
Surrogate: n-Nonane	*46.8*		*50.0*		*93.5*	*50-200*			
Matrix Spike (2407069-MS1)				**Source: E402124-02**					Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	*44.8*		*50.0*		*89.7*	*50-200*			
Matrix Spike Dup (2407069-MSD1)				**Source: E402124-02**					Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	1.57	20	
Surrogate: n-Nonane	*42.5*		*50.0*		*85.0*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

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 (2407091-BLK1)									Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	ND	20.0							
LCS (2407091-BS1)									Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	261	20.0	250		104	90-110			
Matrix Spike (2407091-MS1)				**Source: E402121-02**					Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	1180	40.0	250	935	99.8	80-120			
Matrix Spike Dup (2407091-MSD1)				**Source: E402121-02**					Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	1170	40.0	250	935	93.8	80-120	1.29	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/19/24 15:22

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

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

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

Released to Imaging: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	**Bill To**
Project: RDX 16 #004	Attention: Jim Raley
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	WBS/WO: 21095164
Collected by: Gilbert Moreno	Incident ID: nAPP2223636403

Lab Use Only 01036-0007 | Lab WO# E402127 | Job Number ~~04108-0634~~ AP

TAT: 1D | 2D | 3D | Standard: 5 Day TAT

EPA Program: CWA | SDWA | RCRA

State: NM x | 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	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
11:00	2.13.24	S	1	BH04	1	0.5'								X				
11:10	2.13.24	S	1	BH04	2	4'								X				
11:20	2.13.24	S	1	BH04	3	10'								X				
11:30	2.13.24	S	1	BH04	4	15'								X				
11:40	2.13.24	S	1	BH04	5	20'								X				
11:50	2.13.24	S	1	BH04	6	25'								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: GM

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
	2.14.24			2-14-24	0956
	2-14-24	1515		2.14.24	1900
	2.14.24	2400		2/15/24	0800

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: 2/15/2024 10:21:35AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/15/24 08:00	Work Order ID:	E402127
Phone:	(539) 573-4018	Date Logged In:	02/15/24 08:52	Logged In By:	Angelina Pineda
Email:	devon-team@ensolum.com	Due Date:	02/21/24 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 16 #004
Work Order:	E402128
Job Number:	01058-0007
Received:	2/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/21/24

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: 2/21/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402128
Date Received: 2/15/2024 8:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/15/2024 8:00:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 13:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04 30'	E402128-01A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:53:45PM

BH04 30'

E402128-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.0 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407071
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/17/24	
Surrogate: n-Nonane		*98.0 %*	*50-200*	*02/15/24*	*02/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407080
Chloride	**1180**	20.0	1	02/20/24	02/20/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:53:45PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
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	*7.28*		*8.00*		*91.1*	*70-130*			
LCS (2407065-BS1)									Prepared: 02/15/24 Analyzed: 02/17/24
Benzene	4.12	0.0250	5.00		82.4	70-130			
Ethylbenzene	4.07	0.0250	5.00		81.4	70-130			
Toluene	4.09	0.0250	5.00		81.8	70-130			
o-Xylene	4.02	0.0250	5.00		80.4	70-130			
p,m-Xylene	8.21	0.0500	10.0		82.1	70-130			
Total Xylenes	12.2	0.0250	15.0		81.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.31*		*8.00*		*91.3*	*70-130*			
Matrix Spike (2407065-MS1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.41	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.40	0.0250	5.00	ND	108	61-133			
Toluene	5.39	0.0250	5.00	ND	108	61-130			
o-Xylene	5.32	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike Dup (2407065-MSD1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.15	0.0250	5.00	ND	103	54-133	4.94	20	
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133	4.91	20	
Toluene	5.14	0.0250	5.00	ND	103	61-130	4.88	20	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	5.14	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	4.88	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	4.96	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:53:45PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.3*	*70-130*			
LCS (2407065-BS2)									Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2407065-MS2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike Dup (2407065-MSD2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	0.355	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:53:45PM

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 (2407071-BLK1)									Prepared: 02/15/24 Analyzed: 02/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.5*		*50.0*		*97.0*	*50-200*			
LCS (2407071-BS1)									Prepared: 02/15/24 Analyzed: 02/16/24
Diesel Range Organics (C10-C28)	247	25.0	250		98.8	38-132			
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			
Matrix Spike (2407071-MS1)				**Source: E402114-03**					Prepared: 02/15/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	388	25.0	250	149	95.5	38-132			
Surrogate: n-Nonane	*47.1*		*50.0*		*94.1*	*50-200*			
Matrix Spike Dup (2407071-MSD1)				**Source: E402114-03**					Prepared: 02/15/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	394	25.0	250	149	97.9	38-132	1.49	20	
Surrogate: n-Nonane	*48.4*		*50.0*		*96.8*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:53:45PM

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 (2407080-BLK1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	ND	20.0							
LCS (2407080-BS1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2407080-MS1)				**Source: E402114-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	325	20.0	250	70.8	102	80-120			
Matrix Spike Dup (2407080-MSD1)				**Source: E402114-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	325	20.0	250	70.8	102	80-120	0.247	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 13:53

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	
Project: RDX 16 #004	
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: Gilbert Moreno	

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	
WBS/WO: 21095164	
Incident ID: nAPP2223636403	

Lab Use Only 01058-0007 | TAT: 1D | 2D | 3D | Standard: 5 Day TAT | EPA Program: CWA | SDWA | RCRA

Lab WO# E402128 | Job Number: ~~DR 04108-0054~~

State: NM x | 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	TDS	Cation/Anion	BGDOC NM	GDOC TX	Remarks
12:00	2.13.24	S	1	BH04	1	30'								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: GM

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
	2.14.24		Michelle Gonzales	21424	0956
Michelle Gonzales	2-14-24	1515	Andrew Mella	2.14.24	1900
Andrew Mella	2.14.24	2400		2/15/24	0800

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: 2/15/2024 11:56:50AM

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:	02/15/24 08:00	Work Order ID:	E402128
Phone:	(539) 573-4018	Date Logged In:	02/15/24 08:57	Logged In By:	Angelina Pineda
Email:	devon-team@ensolum.com	Due Date:	02/21/24 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 discussion.	Yes	
Sample Turn Around Time (TAT)		
6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	
Sample Cooler		
7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? 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

Comments/Resolution

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 16 #004
Work Order:	E402129
Job Number:	01058-0007
Received:	2/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/21/24

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: 2/21/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402129
Date Received: 2/15/2024 8:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/15/2024 8:00:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 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
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Laboratory Administrator
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Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
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Field Offices:

Southern New Mexico Area

Lynn Jarboe
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ljarboe@envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 13:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04 35'	E402129-01A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:52:36PM

BH04 35'

E402129-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.1 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407071
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/17/24	
Surrogate: n-Nonane		*83.4 %*	*50-200*	*02/15/24*	*02/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407080
Chloride	**47.2**	20.0	1	02/20/24	02/20/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:52:36PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
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	*7.28*		*8.00*		*91.1*	*70-130*			
LCS (2407065-BS1)									Prepared: 02/15/24 Analyzed: 02/17/24
Benzene	4.12	0.0250	5.00		82.4	70-130			
Ethylbenzene	4.07	0.0250	5.00		81.4	70-130			
Toluene	4.09	0.0250	5.00		81.8	70-130			
o-Xylene	4.02	0.0250	5.00		80.4	70-130			
p,m-Xylene	8.21	0.0500	10.0		82.1	70-130			
Total Xylenes	12.2	0.0250	15.0		81.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.31*		*8.00*		*91.3*	*70-130*			
Matrix Spike (2407065-MS1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.41	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.40	0.0250	5.00	ND	108	61-133			
Toluene	5.39	0.0250	5.00	ND	108	61-130			
o-Xylene	5.32	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike Dup (2407065-MSD1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.15	0.0250	5.00	ND	103	54-133	4.94	20	
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133	4.91	20	
Toluene	5.14	0.0250	5.00	ND	103	61-130	4.88	20	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	5.14	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	4.88	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	4.96	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:52:36PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.3*	*70-130*			
LCS (2407065-BS2)									Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2407065-MS2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike Dup (2407065-MSD2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	0.355	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:52:36PM

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 (2407071-BLK1)									Prepared: 02/15/24 Analyzed: 02/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.5*		*50.0*		*97.0*	*50-200*			
LCS (2407071-BS1)									Prepared: 02/15/24 Analyzed: 02/16/24
Diesel Range Organics (C10-C28)	247	25.0	250		98.8	38-132			
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			
Matrix Spike (2407071-MS1)				**Source: E402114-03**					Prepared: 02/15/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	388	25.0	250	149	95.5	38-132			
Surrogate: n-Nonane	*47.1*		*50.0*		*94.1*	*50-200*			
Matrix Spike Dup (2407071-MSD1)				**Source: E402114-03**					Prepared: 02/15/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	394	25.0	250	149	97.9	38-132	1.49	20	
Surrogate: n-Nonane	*48.4*		*50.0*		*96.8*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:52:36PM

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 (2407080-BLK1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	ND	20.0							
LCS (2407080-BS1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2407080-MS1)				**Source: E402114-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	325	20.0	250	70.8	102	80-120			
Matrix Spike Dup (2407080-MSD1)				**Source: E402114-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	325	20.0	250	70.8	102	80-120	0.247	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 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: 5/20/2024 11:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	
Project: RDX 16 #004	
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: Gilbert Moreno	

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	
WBS/WO: 21095164	
Incident ID: nAPP2223636403	

Lab Use Only 01038-0007

Lab WO# E402129 | Job Number AF 04108-0039

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	TDS	Cation/Anion	BGDOC NM	GDOC TX	Remarks
12:10	2.13.24	S	1	BH04	1	35'								X		

Analysis and Method

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: GM

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
	2.14.24		Michella Gough	2-14-24	0956
Michella Gough	2.14.24	1515	Andrew Hobbs	2.14.24	1900
Andrew Hobbs	2.14.24	2400		2/15/24	0800

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: 2/15/2024 12:25:47PM

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:	02/15/24 08:00	Work Order ID:	E402129
Phone:	(539) 573-4018	Date Logged In:	02/15/24 09:01	Logged In By:	Angelina Pineda
Email:	devon-team@ensolum.com	Due Date:	02/21/24 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 16 #004
Work Order:	E402126
Job Number:	01058-0007
Received:	2/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/21/24

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: 2/21/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402126
Date Received: 2/15/2024 8:50:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/15/2024 8:50:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 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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mgonzales@envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 12:54

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05 0.5'	E402126-01A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH05 4'	E402126-02A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH05 10'	E402126-03A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH05 15'	E402126-04A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH05 20'	E402126-05A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH05 25'	E402126-06A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

BH05 0.5'

E402126-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.8 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.1 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*94.8 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	**45.3**	40.0	2	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

BH05 4'

E402126-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.6 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.4 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*90.8 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	**132**	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

BH05 10'

E402126-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.5 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*89.3 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	ND	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

BH05 15'

E402126-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.3 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.0 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*91.0 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	ND	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

BH05 20'

E402126-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.9 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*91.3 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	ND	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

BH05 25'

E402126-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.7 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*85.1 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	**710**	20.0	1	02/16/24	02/16/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
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	*7.28*		*8.00*		*91.1*	*70-130*			
LCS (2407065-BS1)									Prepared: 02/15/24 Analyzed: 02/17/24
Benzene	4.12	0.0250	5.00		82.4	70-130			
Ethylbenzene	4.07	0.0250	5.00		81.4	70-130			
Toluene	4.09	0.0250	5.00		81.8	70-130			
o-Xylene	4.02	0.0250	5.00		80.4	70-130			
p,m-Xylene	8.21	0.0500	10.0		82.1	70-130			
Total Xylenes	12.2	0.0250	15.0		81.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.31*		*8.00*		*91.3*	*70-130*			
Matrix Spike (2407065-MS1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.41	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.40	0.0250	5.00	ND	108	61-133			
Toluene	5.39	0.0250	5.00	ND	108	61-130			
o-Xylene	5.32	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike Dup (2407065-MSD1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.15	0.0250	5.00	ND	103	54-133	4.94	20	
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133	4.91	20	
Toluene	5.14	0.0250	5.00	ND	103	61-130	4.88	20	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	5.14	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	4.88	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	4.96	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.3*	*70-130*			
LCS (2407065-BS2)									Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2407065-MS2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike Dup (2407065-MSD2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	0.355	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

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 (2407069-BLK1)									Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.3*		*50.0*		*94.5*	*50-200*			
LCS (2407069-BS1)									Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	246	25.0	250		98.5	38-132			
Surrogate: n-Nonane	*46.8*		*50.0*		*93.5*	*50-200*			
Matrix Spike (2407069-MS1)				**Source: E402124-02**					Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	*44.8*		*50.0*		*89.7*	*50-200*			
Matrix Spike Dup (2407069-MSD1)				**Source: E402124-02**					Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	1.57	20	
Surrogate: n-Nonane	*42.5*		*50.0*		*85.0*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

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 (2407084-BLK1)									Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	ND	20.0							
LCS (2407084-BS1)									Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2407084-MS1)				**Source: E402124-02**					Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	250	20.0	250	ND	100	80-120			
Matrix Spike Dup (2407084-MSD1)				**Source: E402124-02**					Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	251	20.0	250	ND	100	80-120	0.114	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 12:54

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 2/15/2024 8:56:07AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/15/24 08:50	Work Order ID:	E402126
Phone:	(539) 573-4018	Date Logged In:	02/15/24 08:49	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/21/24 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 16 #004
Work Order:	E402130
Job Number:	01058-0007
Received:	2/15/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/21/24

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.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/21/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402130
Date Received: 2/15/2024 9:08:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/15/2024 9:08:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 15:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05 30'	E402130-01A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 3:13:03PM

BH05 30'

E402130-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407071
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/17/24	
Surrogate: n-Nonane		*96.0 %*	*50-200*	*02/15/24*	*02/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407080
Chloride	**14300**	200	10	02/20/24	02/20/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 3:13:03PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
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	*7.28*		*8.00*		*91.1*	*70-130*			
LCS (2407065-BS1)									Prepared: 02/15/24 Analyzed: 02/17/24
Benzene	4.12	0.0250	5.00		82.4	70-130			
Ethylbenzene	4.07	0.0250	5.00		81.4	70-130			
Toluene	4.09	0.0250	5.00		81.8	70-130			
o-Xylene	4.02	0.0250	5.00		80.4	70-130			
p,m-Xylene	8.21	0.0500	10.0		82.1	70-130			
Total Xylenes	12.2	0.0250	15.0		81.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.31*		*8.00*		*91.3*	*70-130*			
Matrix Spike (2407065-MS1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.41	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.40	0.0250	5.00	ND	108	61-133			
Toluene	5.39	0.0250	5.00	ND	108	61-130			
o-Xylene	5.32	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike Dup (2407065-MSD1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.15	0.0250	5.00	ND	103	54-133	4.94	20	
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133	4.91	20	
Toluene	5.14	0.0250	5.00	ND	103	61-130	4.88	20	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	5.14	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	4.88	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	4.96	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 3:13:03PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.3*	*70-130*			
LCS (2407065-BS2)									Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2407065-MS2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike Dup (2407065-MSD2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	0.355	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 3:13:03PM

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 (2407071-BLK1)									Prepared: 02/15/24 Analyzed: 02/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.5*		*50.0*		*97.0*	*50-200*			
LCS (2407071-BS1)									Prepared: 02/15/24 Analyzed: 02/16/24
Diesel Range Organics (C10-C28)	247	25.0	250		98.8	38-132			
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			
Matrix Spike (2407071-MS1)				**Source: E402114-03**					Prepared: 02/15/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	388	25.0	250	149	95.5	38-132			
Surrogate: n-Nonane	*47.1*		*50.0*		*94.1*	*50-200*			
Matrix Spike Dup (2407071-MSD1)				**Source: E402114-03**					Prepared: 02/15/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	394	25.0	250	149	97.9	38-132	1.49	20	
Surrogate: n-Nonane	*48.4*		*50.0*		*96.8*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 3:13:03PM

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 (2407080-BLK1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	ND	20.0							
LCS (2407080-BS1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2407080-MS1)				**Source: E402114-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	325	20.0	250	70.8	102	80-120			
Matrix Spike Dup (2407080-MSD1)				**Source: E402114-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	325	20.0	250	70.8	102	80-120	0.247	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 15:13

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

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

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

Released to Imaging: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 2/15/2024 9:11:32AM

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:	02/15/24 09:08	Work Order ID:	E402130
Phone:	(539) 573-4018	Date Logged In:	02/15/24 09:08	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/21/24 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 16 #004
Work Order:	E402131
Job Number:	01058-0007
Received:	2/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/21/24

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.
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Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/21/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402131
Date Received: 2/15/2024 9:15:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/15/2024 9:15:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 13:49

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05 35'	E402131-01A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:49:06PM

BH05 35'

E402131-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.1 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407071
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/17/24	
Surrogate: n-Nonane		*98.1 %*	*50-200*	*02/15/24*	*02/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407080
Chloride	**169**	20.0	1	02/20/24	02/20/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:49:06PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
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	*7.28*		*8.00*		*91.1*	*70-130*			
LCS (2407065-BS1)									Prepared: 02/15/24 Analyzed: 02/17/24
Benzene	4.12	0.0250	5.00		82.4	70-130			
Ethylbenzene	4.07	0.0250	5.00		81.4	70-130			
Toluene	4.09	0.0250	5.00		81.8	70-130			
o-Xylene	4.02	0.0250	5.00		80.4	70-130			
p,m-Xylene	8.21	0.0500	10.0		82.1	70-130			
Total Xylenes	12.2	0.0250	15.0		81.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.31*		*8.00*		*91.3*	*70-130*			
Matrix Spike (2407065-MS1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.41	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.40	0.0250	5.00	ND	108	61-133			
Toluene	5.39	0.0250	5.00	ND	108	61-130			
o-Xylene	5.32	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike Dup (2407065-MSD1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.15	0.0250	5.00	ND	103	54-133	4.94	20	
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133	4.91	20	
Toluene	5.14	0.0250	5.00	ND	103	61-130	4.88	20	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	5.14	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	4.88	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	4.96	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:49:06PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.3*	*70-130*			
LCS (2407065-BS2)									Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2407065-MS2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike Dup (2407065-MSD2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	0.355	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:49:06PM

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 (2407071-BLK1)									Prepared: 02/15/24 Analyzed: 02/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.5*		*50.0*		*97.0*	*50-200*			
LCS (2407071-BS1)									Prepared: 02/15/24 Analyzed: 02/16/24
Diesel Range Organics (C10-C28)	247	25.0	250		98.8	38-132			
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			
Matrix Spike (2407071-MS1)				**Source: E402114-03**					Prepared: 02/15/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	388	25.0	250	149	95.5	38-132			
Surrogate: n-Nonane	*47.1*		*50.0*		*94.1*	*50-200*			
Matrix Spike Dup (2407071-MSD1)				**Source: E402114-03**					Prepared: 02/15/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	394	25.0	250	149	97.9	38-132	1.49	20	
Surrogate: n-Nonane	*48.4*		*50.0*		*96.8*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:49:06PM

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 (2407080-BLK1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	ND	20.0							
LCS (2407080-BS1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2407080-MS1)				**Source: E402114-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	325	20.0	250	70.8	102	80-120			
Matrix Spike Dup (2407080-MSD1)				**Source: E402114-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	325	20.0	250	70.8	102	80-120	0.247	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 13:49

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

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

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

Released to Imaging: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 2/15/2024 9:18:19AM

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:	02/15/24 09:15	Work Order ID:	E402131
Phone:	(539) 573-4018	Date Logged In:	02/15/24 09:15	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/21/24 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 16 #004
Work Order:	E402145
Job Number:	01058-0007
Received:	2/16/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/21/24

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: 2/21/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402145
Date Received: 2/16/2024 8:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/16/2024 8:30:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 12:54

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH06 0.5'	E402145-01A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH06 4'	E402145-02A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH06 10'	E402145-03A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH06 15'	E402145-04A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH06 20'	E402145-05A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH06 25'	E402145-06A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH06 30'	E402145-07A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH06 35'	E402145-08A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

BH06 0.5'

E402145-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Benzene	ND	0.0250	1	02/16/24	02/20/24	
Ethylbenzene	**0.201**	0.0250	1	02/16/24	02/20/24	
Toluene	ND	0.0250	1	02/16/24	02/20/24	
o-Xylene	**0.0715**	0.0250	1	02/16/24	02/20/24	
p,m-Xylene	**0.431**	0.0500	1	02/16/24	02/20/24	
Total Xylenes	**0.502**	0.0250	1	02/16/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Gasoline Range Organics (C6-C10)	**29.4**	20.0	1	02/16/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.2 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	**3240**	250	10	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	**1940**	500	10	02/19/24	02/19/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**591**	20.0	1	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

BH06 4'

E402145-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Benzene	ND	0.0250	1	02/16/24	02/20/24	
Ethylbenzene	**0.0599**	0.0250	1	02/16/24	02/20/24	
Toluene	ND	0.0250	1	02/16/24	02/20/24	
o-Xylene	**0.100**	0.0250	1	02/16/24	02/20/24	
p,m-Xylene	**0.207**	0.0500	1	02/16/24	02/20/24	
Total Xylenes	**0.307**	0.0250	1	02/16/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.6 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	**145**	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	**62.8**	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**15800**	200	10	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

BH06 10'

E402145-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Benzene	ND	0.0250	1	02/16/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/20/24	
Toluene	ND	0.0250	1	02/16/24	02/20/24	
o-Xylene	ND	0.0250	1	02/16/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.4 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**16100**	400	20	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

BH06 15'

E402145-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Benzene	ND	0.0250	1	02/16/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/20/24	
Toluene	ND	0.0250	1	02/16/24	02/20/24	
o-Xylene	ND	0.0250	1	02/16/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**11500**	200	10	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

BH06 20'

E402145-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Benzene	ND	0.0250	1	02/16/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/20/24	
Toluene	ND	0.0250	1	02/16/24	02/20/24	
o-Xylene	ND	0.0250	1	02/16/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**2060**	40.0	2	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

BH06 25'

E402145-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Benzene	ND	0.0250	1	02/16/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/20/24	
Toluene	ND	0.0250	1	02/16/24	02/20/24	
o-Xylene	ND	0.0250	1	02/16/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**1650**	20.0	1	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

BH06 30'

E402145-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Benzene	ND	0.0250	1	02/16/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/20/24	
Toluene	ND	0.0250	1	02/16/24	02/20/24	
o-Xylene	ND	0.0250	1	02/16/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**175**	20.0	1	02/19/24	02/20/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

BH06 35'

E402145-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Benzene	ND	0.0250	1	02/16/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/20/24	
Toluene	ND	0.0250	1	02/16/24	02/20/24	
o-Xylene	ND	0.0250	1	02/16/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.0 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*143 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	ND	20.0	1	02/19/24	02/20/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407086-BLK1)									Prepared: 02/16/24 Analyzed: 02/20/24
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	*7.48*		*8.00*		*93.5*	*70-130*			
LCS (2407086-BS1)									Prepared: 02/16/24 Analyzed: 02/20/24
Benzene	5.01	0.0250	5.00		100	70-130			
Ethylbenzene	5.01	0.0250	5.00		100	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
o-Xylene	4.96	0.0250	5.00		99.3	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	*7.38*		*8.00*		*92.3*	*70-130*			
Matrix Spike (2407086-MS1)				**Source: E402145-08**					Prepared: 02/16/24 Analyzed: 02/20/24
Benzene	5.13	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.13	0.0250	5.00	ND	103	61-133			
Toluene	5.12	0.0250	5.00	ND	102	61-130			
o-Xylene	5.06	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.1*	*70-130*			
Matrix Spike Dup (2407086-MSD1)				**Source: E402145-08**					Prepared: 02/16/24 Analyzed: 02/20/24
Benzene	4.91	0.0250	5.00	ND	98.2	54-133	4.41	20	
Ethylbenzene	4.89	0.0250	5.00	ND	97.8	61-133	4.79	20	
Toluene	4.89	0.0250	5.00	ND	97.8	61-130	4.57	20	
o-Xylene	4.83	0.0250	5.00	ND	96.6	63-131	4.70	20	
p,m-Xylene	9.86	0.0500	10.0	ND	98.6	63-131	4.60	20	
Total Xylenes	14.7	0.0250	15.0	ND	97.9	63-131	4.63	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.32*		*8.00*		*91.6*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407086-BLK1)									Prepared: 02/16/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.66*		*8.00*		*95.7*	*70-130*			
LCS (2407086-BS2)									Prepared: 02/16/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.7	20.0	50.0		109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.70*		*8.00*		*96.2*	*70-130*			
Matrix Spike (2407086-MS2)				**Source: E402145-08**					Prepared: 02/16/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	53.4	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.68*		*8.00*		*96.0*	*70-130*			
Matrix Spike Dup (2407086-MSD2)				**Source: E402145-08**					Prepared: 02/16/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	57.0	20.0	50.0	ND	114	70-130	6.52	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

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 (2408017-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*50-200*			
LCS (2408017-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*50-200*			
Matrix Spike (2408017-MS1)				**Source: E402144-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			
Matrix Spike Dup (2408017-MSD1)				**Source: E402144-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.1	38-132	8.30	20	
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

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 (2407092-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	ND	20.0							
LCS (2407092-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2407092-MS1)				**Source: E402144-05**					Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	3060	40.0	250	2540	210	80-120			M4
Matrix Spike Dup (2407092-MSD1)				**Source: E402144-05**					Prepared: 02/19/24 Analyzed: 02/20/24
Chloride	2640	40.0	250	2540	39.2	80-120	15.0	20	M4

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 12:54

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 2/16/2024 11:41:32AM

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:	02/16/24 08:30	Work Order ID:	E402145
Phone:	(539) 573-4018	Date Logged In:	02/16/24 08:30	Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	02/22/24 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 16 #004
Work Order:	E402143
Job Number:	01058-0007
Received:	2/16/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/22/24

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: 2/22/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402143
Date Received: 2/16/2024 8:25:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/16/2024 8:25:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/22/24 13:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH07 0.5'	E402143-01A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH07 4'	E402143-02A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH07 10'	E402143-03A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH07 15'	E402143-04A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH07 20'	E402143-05A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH07 25'	E402143-06A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH07 30'	E402143-07A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH07 35'	E402143-08A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

BH07 0.5'

E402143-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Benzene	ND	0.0250	1	02/16/24	02/21/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/21/24	
Toluene	ND	0.0250	1	02/16/24	02/21/24	
o-Xylene	ND	0.0250	1	02/16/24	02/21/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/21/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.9 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407090
Diesel Range Organics (C10-C28)	**1010**	500	20	02/16/24	02/20/24	
Oil Range Organics (C28-C36)	**1180**	1000	20	02/16/24	02/20/24	
Surrogate: n-Nonane		*91.4 %*	*50-200*	*02/16/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	**4240**	40.0	2	02/16/24	02/17/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

BH07 4'

E402143-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Benzene	ND	0.0250	1	02/16/24	02/21/24	
Ethylbenzene	**0.790**	0.0250	1	02/16/24	02/21/24	
Toluene	**0.154**	0.0250	1	02/16/24	02/21/24	
o-Xylene	**1.36**	0.0250	1	02/16/24	02/21/24	
p,m-Xylene	**2.71**	0.0500	1	02/16/24	02/21/24	
Total Xylenes	**4.07**	0.0250	1	02/16/24	02/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*112 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Gasoline Range Organics (C6-C10)	**103**	20.0	1	02/16/24	02/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407090
Diesel Range Organics (C10-C28)	**2900**	500	20	02/16/24	02/21/24	
Oil Range Organics (C28-C36)	**1280**	1000	20	02/16/24	02/21/24	
Surrogate: n-Nonane		*98.9 %*	*50-200*	*02/16/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	**10600**	200	10	02/16/24	02/17/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

BH07 10'

E402143-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Benzene	ND	0.0250	1	02/16/24	02/21/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/21/24	
Toluene	ND	0.0250	1	02/16/24	02/21/24	
o-Xylene	ND	0.0250	1	02/16/24	02/21/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/21/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/16/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/16/24	02/21/24	
Surrogate: n-Nonane		*86.7 %*	*50-200*	*02/16/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	**9170**	200	10	02/16/24	02/17/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

BH07 15'

E402143-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Benzene	**0.149**	0.0250	1	02/16/24	02/21/24	
Ethylbenzene	**1.96**	0.0250	1	02/16/24	02/21/24	
Toluene	**1.41**	0.0250	1	02/16/24	02/21/24	
o-Xylene	**2.77**	0.0250	1	02/16/24	02/21/24	
p,m-Xylene	**6.02**	0.0500	1	02/16/24	02/21/24	
Total Xylenes	**8.79**	0.0250	1	02/16/24	02/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Gasoline Range Organics (C6-C10)	**133**	20.0	1	02/16/24	02/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*112 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407090
Diesel Range Organics (C10-C28)	**4210**	250	10	02/16/24	02/21/24	
Oil Range Organics (C28-C36)	**1510**	500	10	02/16/24	02/21/24	
Surrogate: n-Nonane		*140 %*	*50-200*	*02/16/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	**12100**	200	10	02/16/24	02/17/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

BH07 20'

E402143-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Benzene	ND	0.0250	1	02/16/24	02/21/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/21/24	
Toluene	ND	0.0250	1	02/16/24	02/21/24	
o-Xylene	ND	0.0250	1	02/16/24	02/21/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/21/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/16/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/16/24	02/21/24	
Surrogate: n-Nonane		*99.2 %*	*50-200*	*02/16/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	**4320**	40.0	2	02/16/24	02/17/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

BH07 25'

E402143-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Benzene	ND	0.0250	1	02/16/24	02/21/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/21/24	
Toluene	ND	0.0250	1	02/16/24	02/21/24	
o-Xylene	ND	0.0250	1	02/16/24	02/21/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/21/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.9 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.9 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/16/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/16/24	02/21/24	
Surrogate: n-Nonane		*83.3 %*	*50-200*	*02/16/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	**9320**	200	10	02/16/24	02/17/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

BH07 30'

E402143-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Benzene	ND	0.0250	1	02/16/24	02/21/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/21/24	
Toluene	ND	0.0250	1	02/16/24	02/21/24	
o-Xylene	ND	0.0250	1	02/16/24	02/21/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/21/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.3 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.4 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/16/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/16/24	02/21/24	
Surrogate: n-Nonane		*96.7 %*	*50-200*	*02/16/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	**825**	20.0	1	02/16/24	02/17/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

BH07 35'

E402143-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Benzene	ND	0.0250	1	02/16/24	02/21/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/21/24	
Toluene	ND	0.0250	1	02/16/24	02/21/24	
o-Xylene	ND	0.0250	1	02/16/24	02/21/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/21/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/16/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/16/24	02/21/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*02/16/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	ND	20.0	1	02/16/24	02/17/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

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 (2407076-BLK1)									Prepared: 02/16/24 Analyzed: 02/20/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.7*	*70-130*			
LCS (2407076-BS1)									Prepared: 02/16/24 Analyzed: 02/20/24
Benzene	5.00	0.0250	5.00		100	70-130			
Ethylbenzene	4.86	0.0250	5.00		97.2	70-130			
Toluene	4.99	0.0250	5.00		99.9	70-130			
o-Xylene	4.94	0.0250	5.00		98.8	70-130			
p,m-Xylene	9.93	0.0500	10.0		99.3	70-130			
Total Xylenes	14.9	0.0250	15.0		99.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike (2407076-MS1)				**Source: E402141-08**					Prepared: 02/16/24 Analyzed: 02/21/24
Benzene	4.53	0.0250	5.00	ND	90.6	54-133			
Ethylbenzene	4.39	0.0250	5.00	ND	87.9	61-133			
Toluene	4.52	0.0250	5.00	ND	90.5	61-130			
o-Xylene	4.45	0.0250	5.00	ND	89.0	63-131			
p,m-Xylene	8.99	0.0500	10.0	ND	89.9	63-131			
Total Xylenes	13.4	0.0250	15.0	ND	89.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.10*		*8.00*		*101*	*70-130*			
Matrix Spike Dup (2407076-MSD1)				**Source: E402141-08**					Prepared: 02/16/24 Analyzed: 02/21/24
Benzene	4.96	0.0250	5.00	ND	99.1	54-133	8.99	20	
Ethylbenzene	4.83	0.0250	5.00	ND	96.6	61-133	9.45	20	
Toluene	4.96	0.0250	5.00	ND	99.3	61-130	9.25	20	
o-Xylene	4.91	0.0250	5.00	ND	98.1	63-131	9.72	20	
p,m-Xylene	9.88	0.0500	10.0	ND	98.8	63-131	9.43	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.6	63-131	9.53	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.09*		*8.00*		*101*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

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 (2407076-BLK1)									Prepared: 02/16/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.30*		*8.00*		*91.2*	*70-130*			
LCS (2407076-BS2)									Prepared: 02/16/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		*8.00*		*93.4*	*70-130*			
Matrix Spike (2407076-MS2)				**Source: E402141-08**					Prepared: 02/16/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.22*		*8.00*		*90.2*	*70-130*			
Matrix Spike Dup (2407076-MSD2)				**Source: E402141-08**					Prepared: 02/16/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130	1.72	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.30*		*8.00*		*91.2*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

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 (2407090-BLK1)									Prepared: 02/16/24 Analyzed: 02/20/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.2*		*50.0*		*110*	*50-200*			
LCS (2407090-BS1)									Prepared: 02/16/24 Analyzed: 02/20/24
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
Surrogate: n-Nonane	*50.9*		*50.0*		*102*	*50-200*			
Matrix Spike (2407090-MS1)				**Source: E402117-24**					Prepared: 02/16/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	302	25.0	250	ND	121	38-132			
Surrogate: n-Nonane	*51.2*		*50.0*		*102*	*50-200*			
Matrix Spike Dup (2407090-MSD1)				**Source: E402117-24**					Prepared: 02/16/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	296	25.0	250	ND	118	38-132	1.88	20	
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

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 (2407091-BLK1)									Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	ND	20.0							
LCS (2407091-BS1)									Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	261	20.0	250		104	90-110			
Matrix Spike (2407091-MS1)				**Source: E402121-02**					Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	1180	40.0	250	935	99.8	80-120			
Matrix Spike Dup (2407091-MSD1)				**Source: E402121-02**					Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	1170	40.0	250	935	93.8	80-120	1.29	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/22/24 13:39

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 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 16 #004	Attention: Jim Raley	Lab WO# E 402143	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	WBS/WO: 21095164		
Collected by: Gilbert Moreno	Incident ID: nAPP2223636403		

Analysis and Method

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	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
11:30	2.14.24	S	1	BH07	1	0.5'								X				
11:40	2.14.24	S	1	BH07	2	4'								X				
11:50	2.14.24	S	1	BH07	3	10'								X				
12:00	2.14.24	S	1	BH07	4	15'								X				
12:10	2.14.24	S	1	BH07	5	20'								X				
12:20	2.14.24	S	1	BH07	6	25'								X				
12:30	2.14.24	S	1	BH07	7	30								X				
12:40	2.14.24	S	1	BH07	8	35'								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: GM

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
	2.15.24			2.15.24	1007
	2.15.24	1630		2.15.24	1800
	2.15.24	2400		2/16/24	8:25

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: 2/16/2024 11:37:07AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/16/24 08:25	Work Order ID:	E402143
Phone:	(539) 573-4018	Date Logged In:	02/16/24 08:24	Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	02/22/24 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 16 #004
Work Order:	E402144
Job Number:	01058-0007
Received:	2/16/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/22/24

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: 2/22/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402144
Date Received: 2/16/2024 8:27:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/16/2024 8:27:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 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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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/22/24 17:04

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH08 0.5'	E402144-01A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH08 4'	E402144-02A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH08 10'	E402144-03A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH08 15'	E402144-04A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH08 20'	E402144-05A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH08 25'	E402144-06A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH08 30'	E402144-07A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH08 35'	E402144-08A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

BH08 0.5'

E402144-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Benzene	ND	0.0250	1	02/16/24	02/21/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/21/24	
Toluene	ND	0.0250	1	02/16/24	02/21/24	
o-Xylene	ND	0.0250	1	02/16/24	02/21/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/21/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/21/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*02/16/24*	*02/21/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*02/16/24*	*02/21/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/21/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*02/16/24*	*02/21/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*02/16/24*	*02/21/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**69.0**	20.0	1	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

BH08 4'

E402144-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Benzene	ND	0.0250	1	02/16/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/22/24	
Toluene	ND	0.0250	1	02/16/24	02/22/24	
o-Xylene	ND	0.0250	1	02/16/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**3060**	20.0	1	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

BH08 10'

E402144-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Benzene	ND	0.0250	1	02/16/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/22/24	
Toluene	ND	0.0250	1	02/16/24	02/22/24	
o-Xylene	ND	0.0250	1	02/16/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**9980**	200	10	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

BH08 15'

E402144-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Benzene	ND	0.0250	1	02/16/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/22/24	
Toluene	ND	0.0250	1	02/16/24	02/22/24	
o-Xylene	ND	0.0250	1	02/16/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.5 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.5 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**1900**	40.0	2	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

BH08 20'

E402144-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Benzene	ND	0.0250	1	02/16/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/22/24	
Toluene	ND	0.0250	1	02/16/24	02/22/24	
o-Xylene	ND	0.0250	1	02/16/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.8 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.8 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**2540**	40.0	2	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

BH08 25'

E402144-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Benzene	ND	0.0250	1	02/16/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/22/24	
Toluene	ND	0.0250	1	02/16/24	02/22/24	
o-Xylene	ND	0.0250	1	02/16/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.1 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.1 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**377**	20.0	1	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

BH08 30'

E402144-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Benzene	ND	0.0250	1	02/16/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/22/24	
Toluene	ND	0.0250	1	02/16/24	02/22/24	
o-Xylene	ND	0.0250	1	02/16/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.8 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.8 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

BH08 35'

E402144-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Benzene	ND	0.0250	1	02/16/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/22/24	
Toluene	ND	0.0250	1	02/16/24	02/22/24	
o-Xylene	ND	0.0250	1	02/16/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	ND	20.0	1	02/19/24	02/19/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

Volatile Organic Compounds by EPA 8260B

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 (2407077-BLK1)									Prepared: 02/16/24 Analyzed: 02/21/24
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	*0.558*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.468*		*0.500*		*93.6*	*70-130*			
Surrogate: Toluene-d8	*0.545*		*0.500*		*109*	*70-130*			
LCS (2407077-BS1)									Prepared: 02/16/24 Analyzed: 02/21/24
Benzene	2.64	0.0250	2.50		105	70-130			
Ethylbenzene	2.68	0.0250	2.50		107	70-130			
Toluene	2.57	0.0250	2.50		103	70-130			
o-Xylene	2.61	0.0250	2.50		105	70-130			
p,m-Xylene	5.21	0.0500	5.00		104	70-130			
Total Xylenes	7.82	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	*0.552*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.478*		*0.500*		*95.6*	*70-130*			
Surrogate: Toluene-d8	*0.535*		*0.500*		*107*	*70-130*			
Matrix Spike (2407077-MS1)				**Source: E402144-01**					Prepared: 02/16/24 Analyzed: 02/21/24
Benzene	2.56	0.0250	2.50	ND	102	48-131			
Ethylbenzene	2.66	0.0250	2.50	ND	107	45-135			
Toluene	2.58	0.0250	2.50	ND	103	48-130			
o-Xylene	2.63	0.0250	2.50	ND	105	43-135			
p,m-Xylene	5.21	0.0500	5.00	ND	104	43-135			
Total Xylenes	7.84	0.0250	7.50	ND	105	43-135			
Surrogate: Bromofluorobenzene	*0.566*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.6*	*70-130*			
Surrogate: Toluene-d8	*0.534*		*0.500*		*107*	*70-130*			
Matrix Spike Dup (2407077-MSD1)				**Source: E402144-01**					Prepared: 02/16/24 Analyzed: 02/21/24
Benzene	2.57	0.0250	2.50	ND	103	48-131	0.234	23	
Ethylbenzene	2.65	0.0250	2.50	ND	106	45-135	0.376	27	
Toluene	2.55	0.0250	2.50	ND	102	48-130	1.17	24	
o-Xylene	2.67	0.0250	2.50	ND	107	43-135	1.60	27	
p,m-Xylene	5.23	0.0500	5.00	ND	105	43-135	0.402	27	
Total Xylenes	7.90	0.0250	7.50	ND	105	43-135	0.807	27	
Surrogate: Bromofluorobenzene	*0.584*		*0.500*		*117*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.6*	*70-130*			
Surrogate: Toluene-d8	*0.542*		*0.500*		*108*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2407077-BLK1)									Prepared: 02/16/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.558*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.468*		*0.500*		*93.6*	*70-130*			
Surrogate: Toluene-d8	*0.545*		*0.500*		*109*	*70-130*			
LCS (2407077-BS2)									Prepared: 02/16/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	55.0	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	*0.566*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.459*		*0.500*		*91.8*	*70-130*			
Surrogate: Toluene-d8	*0.541*		*0.500*		*108*	*70-130*			
Matrix Spike (2407077-MS2)				**Source: E402144-01**					Prepared: 02/16/24 Analyzed: 02/22/24
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	*0.557*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.462*		*0.500*		*92.3*	*70-130*			
Surrogate: Toluene-d8	*0.547*		*0.500*		*109*	*70-130*			
Matrix Spike Dup (2407077-MSD2)				**Source: E402144-01**					Prepared: 02/16/24 Analyzed: 02/22/24
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	ND	109	70-130	0.224	20	
Surrogate: Bromofluorobenzene	*0.575*		*0.500*		*115*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.461*		*0.500*		*92.1*	*70-130*			
Surrogate: Toluene-d8	*0.540*		*0.500*		*108*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

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 (2408017-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*50-200*			
LCS (2408017-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*50-200*			
Matrix Spike (2408017-MS1)				**Source: E402144-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			
Matrix Spike Dup (2408017-MSD1)				**Source: E402144-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.1	38-132	8.30	20	
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

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 (2407092-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	ND	20.0							
LCS (2407092-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2407092-MS1)				**Source: E402144-05**					Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	3060	40.0	250	2540	210	80-120			M4
Matrix Spike Dup (2407092-MSD1)				**Source: E402144-05**					Prepared: 02/19/24 Analyzed: 02/20/24
Chloride	2640	40.0	250	2540	39.2	80-120	15.0	20	M4

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/22/24 17:04

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 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 16 #004	Attention: Jim Raley	Lab WO# E402144	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	WBS/WO: 21095164		
Collected by: Gilbert Moreno	Incident ID: nAPP2223636403		

Analysis and Method: Depth(ft.) | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | TDS | Cation/Anion | BGDOC NM | | GDOC TX | | State: NM x | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	BGDOC NM	GDOC TX	Remarks
14:30	2.14.24	S	1	BH08	1	0.5'	X		
14:45	2.14.24	S	1	BH08	2	4'	X		
14:55	2.14.24	S	1	BH08	3	10'	X		
15:00	2.14.24	S	1	BH08	4	15'	X		
15:10	2.14.24	S	1	BH08	5	20'	X		
15:20	2.14.24	S	1	BH08	6	25'	X		
15:30	2.14.24	S	1	BH08	7	30	X		
15:40	2.14.24	S	1	BH08	8	35'	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: GM

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
	2.15.24		Michelle Gaytan	2-15-24	1007
Michelle Gaytan	2-15-24	1630	Andrew Hobbs	2.15.24	1800
Andrew Hobbs	2.15.24	2400		2/16/24	8:27

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

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Envirotech Analytical Laboratory

Printed: 2/16/2024 11:24:14AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/16/24 08:27	Work Order ID:	E402144
Phone:	(539) 573-4018	Date Logged In:	02/16/24 08:27	Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	02/22/24 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 16 #004
Work Order:	E402162
Job Number:	01058-0007
Received:	2/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/26/24

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: 2/26/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402162
Date Received: 2/19/2024 7:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/19/2024 7:30:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Alexa Michaels
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labadmin@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/26/24 13:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH09 0.5'	E402162-01A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH09 4'	E402162-02A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH09 10'	E402162-03A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH09 15'	E402162-04A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH09 20'	E402162-05A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH09 25'	E402162-06A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH09 30'	E402162-07A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH09 35'	E402162-08A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

BH09 0.5'

E402162-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.1 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/21/24	
Surrogate: n-Nonane		*95.4 %*	*50-200*	*02/20/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	**155**	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

BH09 4'

E402162-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.2 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/21/24	
Surrogate: n-Nonane		*99.4 %*	*50-200*	*02/20/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	**4670**	40.0	2	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

BH09 10'

E402162-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.6 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/22/24	
Surrogate: n-Nonane		*98.7 %*	*50-200*	*02/20/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	**40.7**	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

BH09 15'

E402162-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.8 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/22/24	
Surrogate: n-Nonane		*98.8 %*	*50-200*	*02/20/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

BH09 20'

E402162-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.6 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/22/24	
Surrogate: n-Nonane		*91.8 %*	*50-200*	*02/20/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

BH09 25'

E402162-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.1 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/22/24	
Surrogate: n-Nonane		*99.5 %*	*50-200*	*02/20/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

BH09 30'

E402162-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.3 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/22/24	
Surrogate: n-Nonane		*98.1 %*	*50-200*	*02/20/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

BH09 35'

E402162-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.3 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/22/24	
Surrogate: n-Nonane		*97.2 %*	*50-200*	*02/20/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

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 (2408011-BLK1)									Prepared: 02/19/24 Analyzed: 02/23/24
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	*7.59*		*8.00*		*94.9*	*70-130*			
LCS (2408011-BS1)									Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	4.94	0.0250	5.00		98.8	70-130			
Ethylbenzene	4.83	0.0250	5.00		96.6	70-130			
Toluene	4.96	0.0250	5.00		99.2	70-130			
o-Xylene	4.90	0.0250	5.00		97.9	70-130			
p,m-Xylene	9.87	0.0500	10.0		98.7	70-130			
Total Xylenes	14.8	0.0250	15.0		98.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.61*		*8.00*		*95.2*	*70-130*			
Matrix Spike (2408011-MS1)				**Source: E402162-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	4.99	0.0250	5.00	ND	99.8	54-133			
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	4.94	0.0250	5.00	ND	98.9	63-131			
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.54*		*8.00*		*94.2*	*70-130*			
Matrix Spike Dup (2408011-MSD1)				**Source: E402162-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	5.01	0.0250	5.00	ND	100	54-133	0.459	20	
Ethylbenzene	4.90	0.0250	5.00	ND	98.1	61-133	0.458	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	0.373	20	
o-Xylene	4.96	0.0250	5.00	ND	99.3	63-131	0.411	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	0.425	20	
Total Xylenes	15.0	0.0250	15.0	ND	99.8	63-131	0.420	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.50*		*8.00*		*93.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

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 (2408011-BLK1)									Prepared: 02/19/24 Analyzed: 02/23/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.3*	*70-130*			
LCS (2408011-BS2)									Prepared: 02/19/24 Analyzed: 02/26/24
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		*8.00*		*93.5*	*70-130*			
Matrix Spike (2408011-MS2)				**Source: E402162-01**					Prepared: 02/19/24 Analyzed: 02/23/24
Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.56*		*8.00*		*94.5*	*70-130*			
Matrix Spike Dup (2408011-MSD2)				**Source: E402162-01**					Prepared: 02/19/24 Analyzed: 02/23/24
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.1	70-130	3.61	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		*8.00*		*94.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

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 (2408038-BLK1)									Prepared: 02/20/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.5*		*50.0*		*105*	*50-200*			
LCS (2408038-BS1)									Prepared: 02/20/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	275	25.0	250		110	38-132			
Surrogate: n-Nonane	*46.9*		*50.0*		*93.9*	*50-200*			
Matrix Spike (2408038-MS1)				**Source: E402146-04**					Prepared: 02/20/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	334	25.0	250	50.9	113	38-132			
Surrogate: n-Nonane	*53.8*		*50.0*		*108*	*50-200*			
Matrix Spike Dup (2408038-MSD1)				**Source: E402146-04**					Prepared: 02/20/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	321	25.0	250	50.9	108	38-132	3.91	20	
Surrogate: n-Nonane	*49.8*		*50.0*		*99.6*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

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 (2408043-BLK1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	ND	20.0							
LCS (2408043-BS1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2408043-MS1)				**Source: E402161-03**					Prepared: 02/20/24 Analyzed: 02/21/24
Chloride	250	20.0	250	ND	99.9	80-120			
Matrix Spike Dup (2408043-MSD1)				**Source: E402161-03**					Prepared: 02/20/24 Analyzed: 02/21/24
Chloride	250	20.0	250	ND	99.8	80-120	0.123	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/26/24 13:18

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 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 16 #004	Attention: Jim Raley	Lab WO# E402162	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 Day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		CWA SDWA RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21095164		
Collected by: Gilbert Moreno	Incident ID: nAPP2223636403		

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	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
9:00	2.15.24	S	1	BH09	1	0.5'								X				
9:10	2.15.24	S	1	BH09	2	4'								X				
9:20	2.15.24	S	1	BH09	3	10'								X				
9:30	2.15.24	S	1	BH09	4	15'								X				
9:40	2.15.24	S	1	BH09	5	20'								X				
9:50	2.15.24	S	1	BH09	6	25'								X				
10:00	2.15.24	S	1	BH09	7	30								X				
10:10	2.15.24	S	1	BH09	8	35'								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: GM

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
	2.16.24		Michelle Cruz	2.16.24	1100
Michelle Cruz	2.16.24	1630		2/19/24	0730

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

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Envirotech Analytical Laboratory

Printed: 2/19/2024 10:16:47AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/19/24 07:30	Work Order ID:	E402162
Phone:	(539) 573-4018	Date Logged In:	02/19/24 09:08	Logged In By:	Angelina Pineda
Email:	devon-team@etechenv.com	Due Date:	02/23/24 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	
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

Comments/Resolution

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 16 #004
Work Order:	E402163
Job Number:	01058-0007
Received:	2/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/22/24

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: 2/22/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402163
Date Received: 2/19/2024 7:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/19/2024 7:30:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/22/24 16:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH10 0.5'	E402163-01A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH10 4'	E402163-02A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH10 10'	E402163-03A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:09:46PM

BH10 0.5'

E402163-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.4 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408033
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/20/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*02/20/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:09:46PM

BH10 4'

E402163-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408033
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/20/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*02/20/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	**35.5**	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:09:46PM

BH10 10'

E402163-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.2 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408033
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/20/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*02/20/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	**50.1**	20.0	1	02/20/24	02/21/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:09:46PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408010-BLK1)									Prepared: 02/19/24 Analyzed: 02/21/24
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	*7.44*		*8.00*		*93.0*	*70-130*			
LCS (2408010-BS1)									Prepared: 02/19/24 Analyzed: 02/21/24
Benzene	4.86	0.0250	5.00		97.3	70-130			
Ethylbenzene	4.94	0.0250	5.00		98.7	70-130			
Toluene	4.91	0.0250	5.00		98.3	70-130			
o-Xylene	4.90	0.0250	5.00		98.0	70-130			
p,m-Xylene	9.96	0.0500	10.0		99.6	70-130			
Total Xylenes	14.9	0.0250	15.0		99.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.50*		*8.00*		*93.8*	*70-130*			
Matrix Spike (2408010-MS1)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	5.21	0.0250	5.00	ND	104	54-133			
Ethylbenzene	5.26	0.0250	5.00	ND	105	61-133			
Toluene	5.25	0.0250	5.00	ND	105	61-130			
o-Xylene	5.22	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
Total Xylenes	15.8	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.43*		*8.00*		*92.8*	*70-130*			
Matrix Spike Dup (2408010-MSD1)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	4.92	0.0250	5.00	ND	98.4	54-133	5.66	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.9	61-133	5.19	20	
Toluene	4.97	0.0250	5.00	ND	99.3	61-130	5.56	20	
o-Xylene	4.93	0.0250	5.00	ND	98.6	63-131	5.76	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	5.23	20	
Total Xylenes	15.0	0.0250	15.0	ND	99.7	63-131	5.40	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.35*		*8.00*		*91.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:09:46PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408010-BLK1)									Prepared: 02/19/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.9*	*70-130*			
LCS (2408010-BS2)									Prepared: 02/19/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	57.7	20.0	50.0		115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike (2408010-MS2)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.8*	*70-130*			
Matrix Spike Dup (2408010-MSD2)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Gasoline Range Organics (C6-C10)	53.8	20.0	50.0	ND	108	70-130	7.65	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.3*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:09:46PM

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 (2408033-BLK1)									Prepared: 02/20/24 Analyzed: 02/20/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.0*		*50.0*		*112*	*50-200*			
LCS (2408033-BS1)									Prepared: 02/20/24 Analyzed: 02/20/24
Diesel Range Organics (C10-C28)	282	25.0	250		113	38-132			
Surrogate: n-Nonane	*60.4*		*50.0*		*121*	*50-200*			
Matrix Spike (2408033-MS1)				**Source: E402165-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Diesel Range Organics (C10-C28)	303	25.0	250	ND	121	38-132			
Surrogate: n-Nonane	*61.6*		*50.0*		*123*	*50-200*			
Matrix Spike Dup (2408033-MSD1)				**Source: E402165-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	38-132	6.21	20	
Surrogate: n-Nonane	*57.8*		*50.0*		*116*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:09:46PM

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 (2408043-BLK1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	ND	20.0							
LCS (2408043-BS1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2408043-MS1)				**Source: E402161-03**					Prepared: 02/20/24 Analyzed: 02/21/24
Chloride	250	20.0	250	ND	99.9	80-120			
Matrix Spike Dup (2408043-MSD1)				**Source: E402161-03**					Prepared: 02/20/24 Analyzed: 02/21/24
Chloride	250	20.0	250	ND	99.8	80-120	0.123	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/22/24 16:09

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	
Project: RDX 16 #004	
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: Gilbert Moreno	

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	
WBS/WO: 21095164	
Incident ID: nAPP2223636403	

Lab Use Only: Lab WO# E402163 | Job Number 01058-0007

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

EPA Program: CWA | SDWA | RCRA

State: NM | 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	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
11:00	2.15.24	S	1	BH10	1	0.5'								X				
11:10	2.15.24	S	1	BH10	2	4'								X				
11:20	2.15.24	S	1	BH10	3	10'								X				

Analysis and Method: NM = BGDOC NM; TX = GDOC TX

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: GM

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
	2.16.24			2.16.24	1100
	2.16.24	1630		2/19/24	0730

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: 2/19/2024 10:20:36AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/19/24 07:30	Work Order ID:	E402163
Phone:	(539) 573-4018	Date Logged In:	02/19/24 09:15	Logged In By:	Angelina Pineda
Email:	devon-team@etechenv.com	Due Date:	02/23/24 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 16 #004
Work Order:	E402158
Job Number:	01058-0007
Received:	2/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/22/24

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: 2/22/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402158
Date Received: 2/19/2024 7:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/19/2024 7:30:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/22/24 16:12

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH11 0.5'	E402158-01A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH11 4'	E402158-02A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH11 10'	E402158-03A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:12:18PM

BH11 0.5'

E402158-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.1 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408023
Chloride	**22.8**	20.0	1	02/19/24	02/20/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:12:18PM

BH11 4'

E402158-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408023
Chloride	**29.4**	20.0	1	02/19/24	02/20/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:12:18PM

BH11 10'

E402158-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.3 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408023
Chloride	ND	20.0	1	02/19/24	02/20/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:12:18PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408010-BLK1)									Prepared: 02/19/24 Analyzed: 02/21/24
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	*7.44*		*8.00*		*93.0*	*70-130*			
LCS (2408010-BS1)									Prepared: 02/19/24 Analyzed: 02/21/24
Benzene	4.86	0.0250	5.00		97.3	70-130			
Ethylbenzene	4.94	0.0250	5.00		98.7	70-130			
Toluene	4.91	0.0250	5.00		98.3	70-130			
o-Xylene	4.90	0.0250	5.00		98.0	70-130			
p,m-Xylene	9.96	0.0500	10.0		99.6	70-130			
Total Xylenes	14.9	0.0250	15.0		99.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.50*		*8.00*		*93.8*	*70-130*			
Matrix Spike (2408010-MS1)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	5.21	0.0250	5.00	ND	104	54-133			
Ethylbenzene	5.26	0.0250	5.00	ND	105	61-133			
Toluene	5.25	0.0250	5.00	ND	105	61-130			
o-Xylene	5.22	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
Total Xylenes	15.8	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.43*		*8.00*		*92.8*	*70-130*			
Matrix Spike Dup (2408010-MSD1)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	4.92	0.0250	5.00	ND	98.4	54-133	5.66	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.9	61-133	5.19	20	
Toluene	4.97	0.0250	5.00	ND	99.3	61-130	5.56	20	
o-Xylene	4.93	0.0250	5.00	ND	98.6	63-131	5.76	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	5.23	20	
Total Xylenes	15.0	0.0250	15.0	ND	99.7	63-131	5.40	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.35*		*8.00*		*91.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:12:18PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408010-BLK1)									Prepared: 02/19/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.9*	*70-130*			
LCS (2408010-BS2)									Prepared: 02/19/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	57.7	20.0	50.0		115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike (2408010-MS2)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.8*	*70-130*			
Matrix Spike Dup (2408010-MSD2)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Gasoline Range Organics (C6-C10)	53.8	20.0	50.0	ND	108	70-130	7.65	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.3*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:12:18PM

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 (2408017-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*50-200*			
LCS (2408017-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*50-200*			
Matrix Spike (2408017-MS1)				**Source: E402144-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			
Matrix Spike Dup (2408017-MSD1)				**Source: E402144-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.1	38-132	8.30	20	
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:12:18PM

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 (2408023-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	ND	20.0							
LCS (2408023-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2408023-MS1)				**Source: E402141-03**					Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2408023-MSD1)				**Source: E402141-03**					Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	253	20.0	250	ND	101	80-120	0.529	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/22/24 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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 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 16 #004	Attention: Jim Raley	Lab WO# E402158	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 Day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		CWA SDWA RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21095164		
Collected by: Gilbert Moreno	Incident ID: nAPP2223636403		

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	TDS	Cation/Anion	BGDOC NM	GDOC TX	Remarks
12:00	2.15.24	S	1	BH11	1	0.5'								X		
12:10	2.15.24	S	1	BH11	2	4'								X		
12:20	2.15.24	S	1	BH11	3	10'								X		

Analysis and Method

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: GM

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
	2.16.24		Michelle Cuff	2-16-24	1100
Michelle Cuff	2.16.24	1630		2/19/24	0730

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: 2/19/2024 9:30:37AM

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:	02/19/24 07:30	Work Order ID:	E402158
Phone:	(539) 573-4018	Date Logged In:	02/19/24 07:47	Logged In By:	Angelina Pineda
Email:	devon-team@etechenv.com	Due Date:	02/23/24 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 16 #004

Work Order: E402159

Job Number: 01058-0007

Received: 2/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/23/24

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: 2/23/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402159
Date Received: 2/19/2024 7:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/19/2024 7:30:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/23/24 11:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH12 0.5'	E402159-01A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH12 4'	E402159-02A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH12 10'	E402159-03A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH12 15'	E402159-04A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH12 20'	E402159-05A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH12 25'	E402159-06A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH12 30'	E402159-07A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH12 35'	E402159-08A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

BH12 0.5'

E402159-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Benzene	ND	0.0250	1	02/19/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/20/24	
Toluene	ND	0.0250	1	02/19/24	02/20/24	
o-Xylene	ND	0.0250	1	02/19/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/21/24	
Surrogate: n-Nonane		*90.7 %*	*50-200*	*02/19/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	**64.2**	20.0	1	02/19/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

BH12 4'

E402159-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Benzene	ND	0.0250	1	02/19/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/20/24	
Toluene	ND	0.0250	1	02/19/24	02/20/24	
o-Xylene	ND	0.0250	1	02/19/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/21/24	
Surrogate: n-Nonane		*85.9 %*	*50-200*	*02/19/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	ND	20.0	1	02/19/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

BH12 10'

E402159-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Benzene	ND	0.0250	1	02/19/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/20/24	
Toluene	ND	0.0250	1	02/19/24	02/20/24	
o-Xylene	ND	0.0250	1	02/19/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/21/24	
Surrogate: n-Nonane		*82.2 %*	*50-200*	*02/19/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	ND	20.0	1	02/19/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

BH12 15'

E402159-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Benzene	ND	0.0250	1	02/19/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/20/24	
Toluene	ND	0.0250	1	02/19/24	02/20/24	
o-Xylene	ND	0.0250	1	02/19/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/22/24	
Surrogate: n-Nonane		*92.1 %*	*50-200*	*02/19/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	ND	20.0	1	02/19/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

BH12 20'

E402159-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Benzene	ND	0.0250	1	02/19/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/20/24	
Toluene	ND	0.0250	1	02/19/24	02/20/24	
o-Xylene	ND	0.0250	1	02/19/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/21/24	
Surrogate: n-Nonane		*85.8 %*	*50-200*	*02/19/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	**425**	20.0	1	02/19/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

BH12 25'

E402159-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Benzene	ND	0.0250	1	02/19/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/20/24	
Toluene	ND	0.0250	1	02/19/24	02/20/24	
o-Xylene	ND	0.0250	1	02/19/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/21/24	
Surrogate: n-Nonane		*89.7 %*	*50-200*	*02/19/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	**13400**	200	10	02/19/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

BH12 30'

E402159-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Benzene	ND	0.0250	1	02/19/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/20/24	
Toluene	ND	0.0250	1	02/19/24	02/20/24	
o-Xylene	ND	0.0250	1	02/19/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/21/24	
Surrogate: n-Nonane		*69.1 %*	*50-200*	*02/19/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	**377**	20.0	1	02/19/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

BH12 35'

E402159-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Benzene	ND	0.0250	1	02/19/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/20/24	
Toluene	ND	0.0250	1	02/19/24	02/20/24	
o-Xylene	ND	0.0250	1	02/19/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/21/24	
Surrogate: n-Nonane		*81.5 %*	*50-200*	*02/19/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	ND	20.0	1	02/19/24	02/21/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408006-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
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	*7.53*		*8.00*		*94.1*	*70-130*			
LCS (2408006-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Benzene	5.13	0.0250	5.00		103	70-130			
Ethylbenzene	5.11	0.0250	5.00		102	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	5.07	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.6*	*70-130*			
Matrix Spike (2408006-MS1)				**Source: E402154-25**					Prepared: 02/19/24 Analyzed: 02/19/24
Benzene	4.87	0.0250	5.00	ND	97.3	54-133			
Ethylbenzene	4.84	0.0250	5.00	ND	96.9	61-133			
Toluene	4.85	0.0250	5.00	ND	97.0	61-130			
o-Xylene	4.79	0.0250	5.00	ND	95.9	63-131			
p,m-Xylene	9.79	0.0500	10.0	ND	97.9	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.68*		*8.00*		*96.0*	*70-130*			
Matrix Spike Dup (2408006-MSD1)				**Source: E402154-25**					Prepared: 02/19/24 Analyzed: 02/19/24
Benzene	4.77	0.0250	5.00	ND	95.4	54-133	1.94	20	
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	61-133	0.909	20	
Toluene	4.78	0.0250	5.00	ND	95.7	61-130	1.41	20	
o-Xylene	4.75	0.0250	5.00	ND	94.9	63-131	0.981	20	
p,m-Xylene	9.69	0.0500	10.0	ND	96.9	63-131	0.993	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.2	63-131	0.989	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*94.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408006-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.9*	*70-130*			
LCS (2408006-BS2)									Prepared: 02/19/24 Analyzed: 02/19/24
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0		89.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.60*		*8.00*		*95.0*	*70-130*			
Matrix Spike (2408006-MS2)				**Source: E402154-25**					Prepared: 02/19/24 Analyzed: 02/19/24
Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike Dup (2408006-MSD2)				**Source: E402154-25**					Prepared: 02/19/24 Analyzed: 02/19/24
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	ND	85.6	70-130	3.71	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.6*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

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 (2408019-BLK1)									Prepared: 02/19/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*42.5*		*50.0*		*85.0*	*50-200*			
LCS (2408019-BS1)									Prepared: 02/19/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	226	25.0	250		90.3	38-132			
Surrogate: n-Nonane	*41.4*		*50.0*		*82.8*	*50-200*			
Matrix Spike (2408019-MS1)				**Source: E402159-06**					Prepared: 02/19/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	240	25.0	250	ND	95.9	38-132			
Surrogate: n-Nonane	*42.9*		*50.0*		*85.8*	*50-200*			
Matrix Spike Dup (2408019-MSD1)				**Source: E402159-06**					Prepared: 02/19/24 Analyzed: 02/22/24
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132	13.1	20	
Surrogate: n-Nonane	*49.6*		*50.0*		*99.3*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

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 (2408022-BLK1)									Prepared: 02/19/24 Analyzed: 02/21/24
Chloride	ND	20.0							
LCS (2408022-BS1)									Prepared: 02/19/24 Analyzed: 02/21/24
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2408022-MS1)				**Source: E402159-02**					Prepared: 02/19/24 Analyzed: 02/21/24
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2408022-MSD1)				**Source: E402159-02**					Prepared: 02/19/24 Analyzed: 02/21/24
Chloride	255	20.0	250	ND	102	80-120	0.506	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/23/24 11:26

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 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 16 #004	Attention: Jim Raley	Lab WO# E402159	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 Day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		CWA SDWA RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21095164		
Collected by: Gilbert Moreno	Incident ID: nAPP2223636403		

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	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
12:40	2.15.24	S	1	BH12	1	0.5'								X				
12:50	2.15.24	S	1	BH12	2	4'								X				
13:00	2.15.24	S	1	BH12	3	10'								X				
13:10	2.15.24	S	1	BH12	4	15'								X				
13:20	2.15.24	S	1	BH12	5	20'								X				
13:30	2.15.24	S	1	BH12	6	25'								X				
13:40	2.15.24	S	1	BH12	7	30								X				
13:50	2.15.24	S	1	BH12	8	35'								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: GM

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
	2.16.24			2-16-24	1100
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2-16-24	1630		2/19/24	0730
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

Page 308 of 683

Envirotech Analytical Laboratory

Printed: 2/19/2024 9:34:19AM

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:	02/19/24 07:30	Work Order ID:	E402159
Phone:	(539) 573-4018	Date Logged In:	02/19/24 07:56	Logged In By:	Angelina Pineda
Email:	devon-team@etechenv.com	Due Date:	02/23/24 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 G

Archived Correspondence and Notification Receipts

Erick Herrera

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Friday, January 12, 2024 9:27 AM
To: Raley, Jim
Cc: Devon-Team; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD
Subject: [EXTERNAL] Devon - RDX 16-4 Extension - NAPP2223636403

RE: Incident #**NAPP2223636403**

Jim,

Your request for a 90 day extension to **April 11th, 2024** is approved. This will be the **final extension** for this release. Please include this e-mail correspondence in the remediation and/or closure report.

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

From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Thursday, January 11, 2024 11:12 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Devon-Team <Devon-Team@ensolum.com>
Subject: [EXTERNAL] Devon - RDX 16-4 Extension - NAPP2223636403

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

Robert,
A remediation workplan was conditionally approved on 10/17/2023 for incident nAPP2223636403 the RDX 16 #004(30-015-39750). This workplan included securing a drilling rig for additional vertical delineation.

Securing a drilling rig locally was extremely difficult due to lack of availability as most are drilling DTW wells for NMOCD closures. With much delay, we were finally able to secure a rig but it was not available till mid-February.

With this unavoidable delay in mind, WPX Energy respectfully asks for a 90 day extension till April 14th, 2024 to complete the conditionally approved workplan.

Jim Raley | Environmental Professional - Permian Basin
5315 Buena Vista Dr., Carlsbad, NM 88220

C: (575)689-7597 | jim.raley@dvn.com

devon

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Thursday, February 9, 2023 7:25 AM
To: Raley, Jim <Jim.Raley@dvn.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Devon-Team <Devon-Team@ensolum.com>
Subject: [EXTERNAL] (Final Extension) - Devon - RDX 16-4 Extension - NAPP2223636403

RE: Incident #**NAPP2223636403**

Jim,

Your request for an extension to **May 20th, 2023** is approved. This will be the **final extension** for this release. Please include this e-mail correspondence in the remediation and/or closure report.

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

From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Wednesday, February 8, 2023 7:49 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Devon-Team <Devon-Team@ensolum.com>
Subject: Re: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

Robert,
WPX Energy Permian, LLC (WPX) is requesting an extension to the current deadline for a closure report required in 19.15.29.12.B.(1) NMAC at the RDX 16 #004.

An oil and produced water release was discovered on August 21, 2022 and assigned Incident Number nAPP2223636403. WPX was granted one 90 day extension for Feb. 19th, 2023 due to a delay in receiving Right of Entry Permit from the State Land Office.

We have been able to excavate and nearly complete the project. However, we have had a few areas of the excavation that proved difficult and will require us to remove additional soils to meet closure requirements. We will not be able to meet the current deadline of February 19th, 2023. We do not anticipate any further delays.

To provide enough time for additional remediation activities and a closure report, WPX requests an extension of the deadline to **May 20, 2023.**

Jim Raley | Environmental Professional - Permian Basin
5315 Buena Vista Dr., Carlsbad, NM 88220
C: (575)689-7597 | jim.raley@dvn.com

devon

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Date: Friday, October 28, 2022 at 2:20 PM
To: Raley, Jim <Jim.Raley@dvn.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>, Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>, Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: RE: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

Actually, lets make that February 19th, 2023.

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: Hamlet, Robert, EMNRD
Sent: Friday, October 28, 2022 2:17 PM
To: Raley, Jim <Jim.Raley@dvn.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: RE: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

RE: Incident #**NAPP2223636403**

Jim,

Your request for an extension to **February 19th, 2022** 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: Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Sent: Friday, October 28, 2022 1:34 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Subject: FW: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@state.nm.us
http:// **www.emnrd.nm.gov**

From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Friday, October 28, 2022 12:10 PM
To: Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Cc: Joseph Hernandez <jhernandez@ensolum.com>
Subject: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

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

Jocelyn,
WPX Energy-Devon respectfully asks for a 90 day extension for this incident.

We had to go through the process of getting a ROW permit from the State Land Office and it took longer than expected. A remediation permit is now in place (RE-6316) and we are beginning remediation on this incident. The process of cleanup and closure we expect to exceed our current deadline of 11/19/2022.

RDX 16#004
30-015-39750

NAPP2223636403

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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State of New Mexico
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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 312837
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2223636403**
Incident Name	**NAPP2223636403 RDX 16 #004 @ 30-015-39750**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-39750] RDX 16 #004**

Location of Release Source	
Site Name	**RDX 16 #004**
Date Release Discovered	**08/21/2022**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,976
What is the estimated number of samples that will be gathered	60
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/12/2024
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 US 285 and NM-725, head east on NM-725, drive 3.2 miles and turn left onto Pipeline Rd, drive 6.1 miles and turn rightonto Caliche Road, drive 1.09 miles and turn left onto Caliche road, drive 0.7 miles and turn right onto Caliche Road, drive 0.5 miles to site location.

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CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 312837
	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.	2/8/2024

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QUESTIONS

Action 312839

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 312839
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2223636403**
Incident Name	**NAPP2223636403 RDX 16 #004 @ 30-015-39750**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-39750] RDX 16 #004**

Location of Release Source	
Site Name	**RDX 16 #004**
Date Release Discovered	**08/21/2022**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,976
What is the estimated number of samples that will be gathered	60
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/13/2024
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 US 285 and NM-725, head east on NM-725, drive 3.2 miles and turn left onto Pipeline Rd, drive 6.1 miles and turn rightonto Caliche Road, drive 1.09 miles and turn left onto Caliche road, drive 0.7 miles and turn right onto Caliche Road, drive 0.5 miles to site location.

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CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 312839
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
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QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 312842
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2223636403**
Incident Name	**NAPP2223636403 RDX 16 #004 @ 30-015-39750**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-39750] RDX 16 #004**

Location of Release Source	
Site Name	**RDX 16 #004**
Date Release Discovered	**08/21/2022**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,976
What is the estimated number of samples that will be gathered	60
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/14/2024
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 US 285 and NM-725, head east on NM-725, drive 3.2 miles and turn left onto Pipeline Rd, drive 6.1 miles and turn right onto Caliche Road, drive 1.09 miles and turn left onto Caliche road, drive 0.7 miles and turn right onto Caliche Road, drive 0.5 miles to site location.

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CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 312842
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
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QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 312845
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2223636403**
Incident Name	**NAPP2223636403 RDX 16 #004 @ 30-015-39750**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-39750] RDX 16 #004**

Location of Release Source	
Site Name	**RDX 16 #004**
Date Release Discovered	**08/21/2022**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,976
What is the estimated number of samples that will be gathered	60
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/15/2024
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 US 285 and NM-725, head east on NM-725, drive 3.2 miles and turn left onto Pipeline Rd, drive 6.1 miles and turn right onto Caliche Road, drive 1.09 miles and turn left onto Caliche road, drive 0.7 miles and turn right onto Caliche Road, drive 0.5 miles to site location.

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CONDITIONS

Action 312845

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	246289
	Action Number: 312845
	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.	2/8/2024

APPENDIX H

Archived Reports

eTECH Environmental & Safety Solutions, Inc.

SITE CHARACTERIZATION REMEDIATION PLAN

RDX 16 #004

Eddy County, New Mexico

Incident Number nAPP2223636403

Prepared for:

WPX Energy Permian, LLC.

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 Site Characterization Remediation Plan (SCRP) detailing a scope of work to address soil impacts from an inadvertent release of crude oil and produced water at the RDX 16 #004 (Site). Based on delineation laboratory analytical results, WPX proposes this SCRP, which details remediation objectives to rectify environmental impacts at the Site.

SITE LOCATION AND RELEASE BACKGROUND

The production well (API 30-015-39750) for this Site is located in Unit A, Section 16, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.048996°, -103.8808975°) as provided on the initial Release Notification and Corrective Action Form C-141 (Form C-141) and is associated with oil and gas exploration and production operations on State Land. The surface flowline associated with the well, where the release occurred, spans Unit H and Unit G within Section 16, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.04503°, -103.88075°) as shown on **Figure 1** in **Appendix A**.

On August 21, 2022, corrosion of a steel surface flowline resulted in approximately 5 barrels (bbls) of crude oil and 5 bbls of produced water to be released in two separate areas of the pasture. No fluids were able to be recovered. 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), which was received by the NMOCD on August 24, 2022, and was subsequently assigned Incident Number nAPP2223636403.

Due to the release location, a Right-of-Entry (ROE) Permit to access or disturb soil off-pad was required. WPX submitted the ROE in preparation for soil characterization and remediation activities. An executed permit was issued on March 29, 2023. As a result, an extension was requested and granted for May 20, 2023, to allow WPX to reevaluate site conditions and propose a work plan to investigate soil impacts. Etech prepared a Remediation Work Plan (RWP), which proposed delineation activities in order to characterize the inadvertent release. The NMOCD conditionally approved the RWP:

- All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Please make sure that the edge of the release extent is accurately defined. Please collect confirmation samples, representing no more than 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. All contaminated soil around utilities/pipelines must be fully delineated and remediated to Table 1 of the OCD Spill Rule. The work will need to occur in 90 days after the report has been reviewed.

Due to the coordination and scheduling availability with Atkins Engineering Associates, Inc. (Atkins), the ROE was renewed, and the executed permit was reissued on December 14, 2023.

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;

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- 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 between 51 and 100 feet below ground surface (bgs) based on a soil boring (TW-1) that was drilled by Atkins for Devon Energy on July 28, 2022. The boring was filed under New Mexico Office of the State Engineer (NMOSE) C-04655. The soil boring is located approximately 0.25 miles north to northeast of the Site (**Figure 1A** in **Appendix A**). Using a truck mounted drill rig equipped with hollow stem auger, the soil boring was advanced to a total depth of 55 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 per the appropriate NMOSE regulations. The boring log and plugging records are provided in **Appendix B**.

Based on the initial desktop review, the release extent(s) appear to lie within a third-order ephemeral stream, a forested/shrub riparian wetland area and a 100-year flood plain. It should be noted that a margin of error is possible based on imagery only; field verification can further confirm these specified classifications developed from image analysis. The Site is located within a medium karst potential area and the remaining potential receptors are not within the established buffers defined in NMAC 19.15.29.12. Receptor details from the site characterization are included in **Figure 1B** and **Figure 1C** in **Appendix A**.

Based on the results from the desktop review, specifically the proximity of the three sensitive receptors to the Site, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria[†]
Chloride	Environmental Protection Agency (EPA) 300.0	600 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	100 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.

DELINEATION SOIL SAMPLING ACTIVITIES

From February 12 to February 15, 2024, Etech oversaw delineation activities to assess the presence or absence of residual impacts associated with the two Areas of Concern (AOC #1 and AOC #2). Twelve boreholes (BH01 through BH12) were advanced via rotary drill rig, which were driven by field screening soil samples for volatile organic compounds (VOCs) using a photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips until results indicated vertical delineation to the Site Closure Criteria. Soil boring samples were collected for laboratory analysis averaging at 5-foot intervals starting at 0.5-foot bgs and up to 35 feet bgs. Field screening results and soil descriptions were denoted on soil sampling logs, which are included as **Appendix C**. The locations of the delineation soil samples were mapped with a handheld global positioning system (GPS) and are shown in **Figure 2**, **Figure 2A**, and

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Figure 2B in **Appendix A**. Photographic documentation during delineation activities is included in **Appendix D**.

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.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated BTEX concentrations were below the Site Closure Criteria for all delineation soil samples. TPH exceedances were detected at delineation soil sampling locations BH06 (up to 4 feet bgs) and BH07 (0.5 feet bgs, 4 feet bgs and 15 feet bgs), which are characterized by concentrations ranging from 208 mg/kg to 5,720 mg/kg.

Laboratory analytical results indicated that chloride concentrations exceeded the Site Closure Criteria at one or more depths at each delineation soil sampling location, except delineation soil sampling locations BH10 and BH11. Elevated chloride concentrations are characterized by concentrations ranging from 676 mg/kg to 16,100 mg/kg. The concentrations of all COCs for all terminus delineation soil samples were below the Site Closure Criteria.

Laboratory analytical results are summarized in **Table 1** as **Attachment E**, and the complete laboratory reports with chain-of-custody documentation is included as **Attachment F**.

PROPOSED REMEDIATION PLAN

Based on the delineation soil sample laboratory analytical results, the following conclusions regarding the release are presented:

- Based on laboratory analytical results, BTEX and benzene concentrations were below the Site Closure Criteria for all analyzed soil samples, however, TPH concentrations exceedances above the Site Closure Criteria were present within the AOC #2, specifically within proximity to delineation soil sampling locations BH06 and BH07. TPH concentrations were below the laboratory detection threshold for all other delineation soil samples.
- Based on laboratory analytical results, chloride concentrations exceeding Site Closure Criteria exist at varying depths at all delineation soil sampling locations within and around AOC #1 and AOC #2, except BH10 and BH11.
- Concentrations of all the COCs for the terminus delineation soil samples from each sampling location were below the Site Closure Criteria, providing sufficient vertical delineation.
- Horizontal delineation was achieved through delineation soil sampling locations BH10 and BH11, located west and northwest of AOC #2. Laboratory analytical results for the remainder of the delineation soil sampling locations surrounding AOC #1 and AOC #2 indicated chloride concentrations exceedances above the Site Closure Criteria at one or more depths.

Based on the conclusion drawn above, WPX proposes the following remedial corrective actions:

- Due to the existence of chloride concentrations exceeding 600 mg/kg outside of AOC #1 and AOC #2, WPX proposes to investigate naturally occurring background concentrations for chloride from a location(s) measuring no less than 50 feet but no greater than 100 feet from the AOC extents (**Figure 3** in **Appendix A)**. Soil samples collected from the proposed background locations will be analyzed by an accredited lab for the COCs. If laboratory analytical results indicate naturally occurring background chloride concentrations are greater than 600 mg/kg, WPX proposes to use the greatest chloride concentration and the lowest chloride concentration as an

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acceptable range for naturally occurring background concentrations at the Site. As such, the range of chloride concentrations will be requested to drive remediation efforts and the data presented in this report will be re-evaluated under the consideration of naturally occurring background concentrations for chloride. Upon receipt and review of excavation confirmation soil sample laboratory analytical results, WPX will determine the appropriate measure of corrective actions that will include:

i. Preparing a SCRP addendum detailing the next course of remedial actions to address the presence of soil impacts at the Site driven by background chloride concentrations, based off an estimated lateral and vertical extent of impacted soil from soil sampling activities.

However, if laboratory analytical results indicate naturally occurring background concentrations of chloride do not exceed 600 mg/kg, the remediation plan will proceed as follows:

- WPX requests a variance to leave chloride impacts between 5 feet and up to 30 feet bgs in place, where elevated concentrations are characterized between 676 mg/kg to 16,000 mg/kg. The excavation at AOC #2 will be further advanced to 15 feet bgs within proximity to delineation soil sample location BH07, in order to remove any remaining residual TPH impacts (5,720 mg/kg) identified during delineation activities. If WPX were to excavate to Site Closure Criteria, an excavation advanced to depths of the observed clean boundaries could potentially create a conduit(s) to groundwater and other sensitive and protectable areas as the excavation reaches the appropriate depth(s). Depth to groundwater is estimated to be greater than 55 feet bgs based on the NMOSE permitted dry boring C-04655, located approximately 0.25 miles northeast of the Site, advanced in 2022.

- To accommodate a properly engineered excavation to the anticipated boundaries consistent with delineation laboratory analytical results, the excavation footprint would extend well beyond the extents of AOC #1 and AOC #2 to facilitate the proper safety measures required to excavate to Site Closure Criteria. As a result, unimpacted grounds would be excavated leading to a greater disruption of existing surface vegetation within a forested/shrub riparian wetland environment. In comparison, the proposed excavation would minimize the unnecessary disturbance of unimpacted ground and protect the sensitive environment whilst still removing the greatest impacts to accommodate vegetative growth during the process of reclamation.

- To minimize soil disturbance in order to mitigate impacts to groundwater and vegetation, WPX requests that the top five feet of impacted soil be excavated from the proposed excavation areas in conjunction with the advancement to 15 feet bgs at delineation soil sampling location BH07; any excavation area(s) advanced beyond 5 feet bgs will be backfilled up to 5 feet bgs, where an acceptable physical barrier will be installed on the excavation floor. The physical barrier will mitigate further migration of chloride impacts into the subsurface. The excavation will address any hydrocarbon exceedances from PH06 and PH07. The proposed excavations of AOC #1 and AOC #2 are presented on **Figure 4**, **Figure 4A**, and **Figure 4B** in **Appendix A**. The excavation will extend laterally until confirmation soil sample results from the sidewalls of the excavation meet Site Closure Criteria and will provide horizontal delineation of the release.

- Due to the size of the anticipated excavation area(s), WPX requests that excavation confirmation sidewall soil samples represent a maximum of 400 square feet per soil sample. Soil samples will be submitted to an accredited laboratory for analyses of chloride, TPH and BTEX. Residual chloride impacts within the subject release area are defined by soil samples collected from BH01 through BH09, and BH12 from depths ranging from 10 feet to 30 feet bgs. As such, WPX does not anticipate soil samples to be collected from the floor of the excavation.

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- The proposed excavation will likely require third-party operator oversight and additional safety measures near their respective subsurface pipelines before or during excavation activities. WPX and/or the third-party operator may implement additional safety precautions above encroachment guidelines at their company's discretion for the health and safety of on-site personnel and for the structural integrity of utilities. Such restrictions include but are not limited to:
    i. Shifting the proposed excavation extent(s) to adhere to established buffer zone(s) around one or more utilities.
    ii. Inducing a change in proposed excavation(s) depth(s) around one or more utilities.
- Upon receipt and review of excavation confirmation soil sample laboratory analytical results, WPX will determine the appropriate measure of corrective actions that will include:
    i. Documenting the removal of impacted soil and restoration at the Site with a subsequent Closure and Reclamation Report detailing assessment, sampling activities, and Site restoration activities including, but not limited to backfilling the excavation with clean, locally sourced soil and restored to "as close to its original state as possible."

    or

    ii. Preparing a SCRP addendum detailing the next course of remedial actions to address the presence of soil impacts at the Site, based off an estimated lateral and vertical extent of impacted soil from soil sampling activities.

WPX believes this SCRP will meet requirements set forth in NMAC 19.15.29.13 and be protective of human health, the environment and groundwater. As such, WPX respectfully requests approval of this SCRP from NMOCD.

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (281) 702-2329 or joseph@etechenv.com or Anna Byers at (575) 200-6754 or anna@etechenv.com. **Appendix G** provides correspondence email notification receipts associated with the subject release. Previous remediation activities for the subject release can be referenced in the approved RWP in **Appendix H**.

Sincerely,

eTECH Environmental and Safety Solutions, Inc.

Anna Byers
Senior Geologist

Joseph S. Hernandez
Senior Managing Geologist

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

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Appendices:

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Figure 1A: Site Characterization – Groundwater
Figure 1B: Site Characterization – Surface Receptors
Figure 1C: Site Characterization – Subsurface Receptors
Figure 2: Delineation Soil Sample Locations
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Figure 2B: Delineation Soil Sample Locations – Area of Concern #2
Figure 3: Proposed Background Soil Sampling Locations
Figure 4: Proposed Excavation Areas
Figure 4A: Proposed Excavation Area – Area of Concern #1
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Appendix B: Referenced Well Records

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

Appendix G: Email Notifications

Appendix H: Approved Remediation Work Plan

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APPENDIX A

Figures

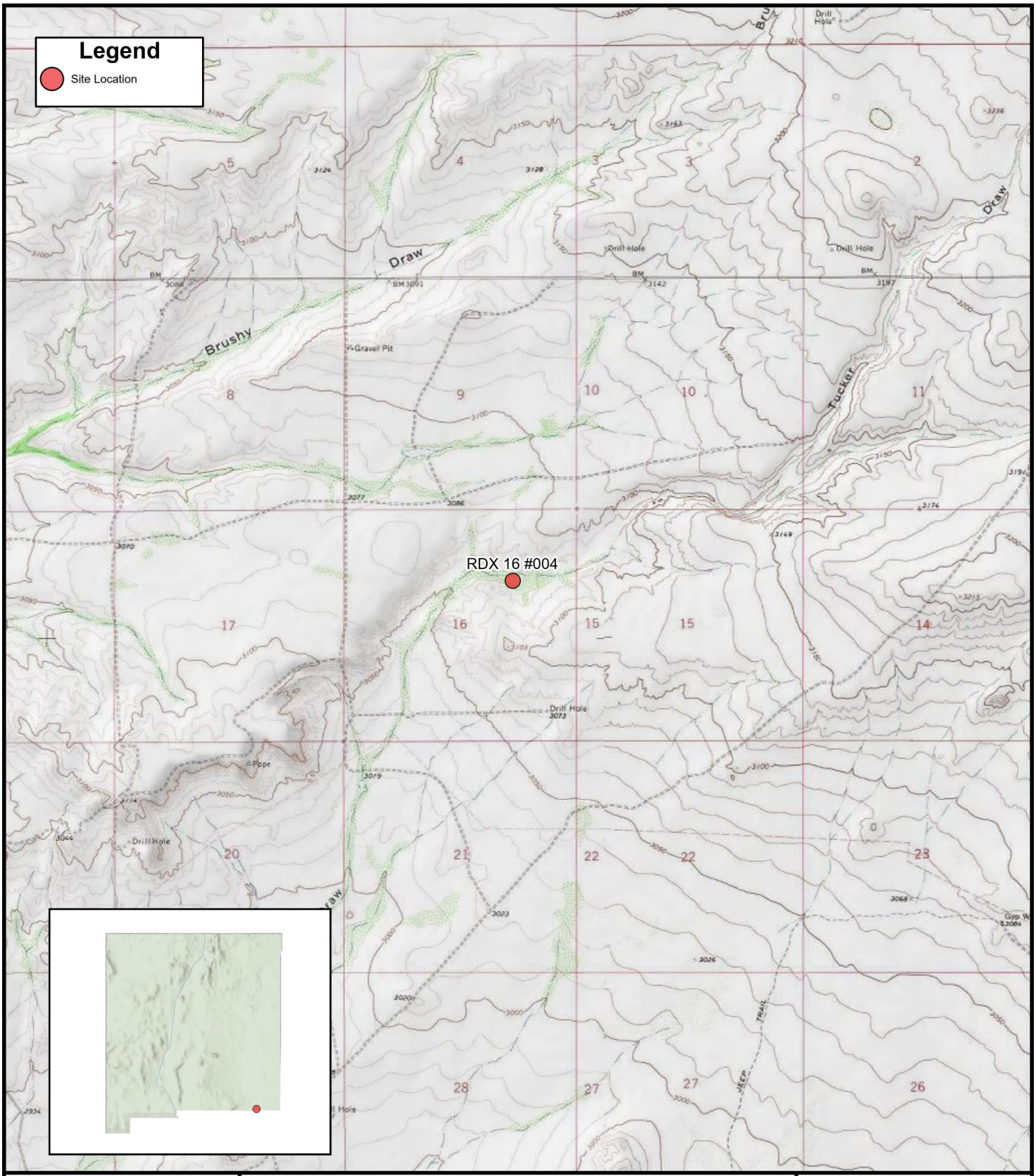

FIGURE 1

Site Location Map

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H & G Sec 16 T26S R30E
Eddy County, New Mexico

N

0 2,000 4,000 Feet

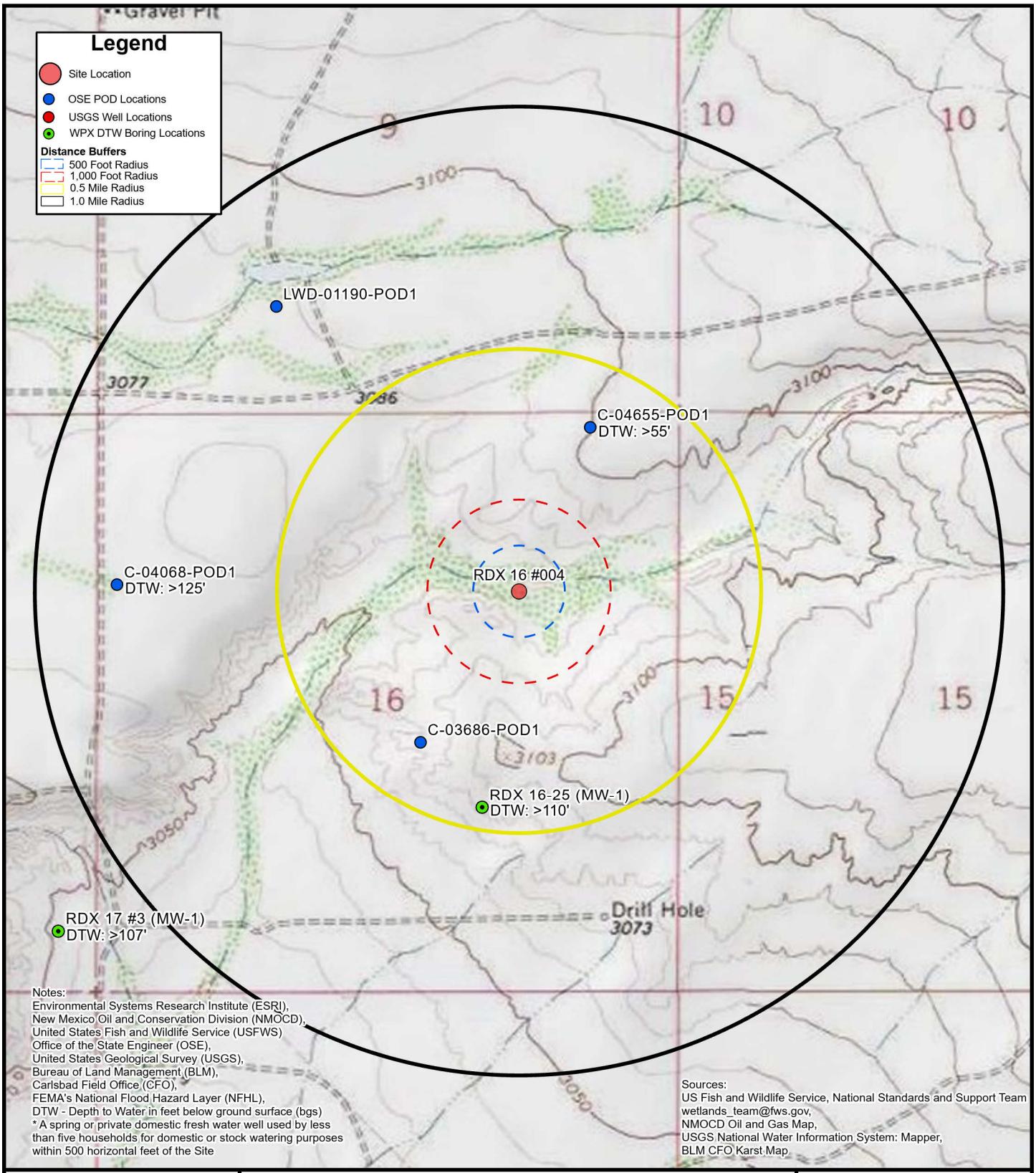

FIGURE 1A

Site Characterization Map

Ground Water

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H & G Sec 16 T26S R30E
Eddy County, New Mexico

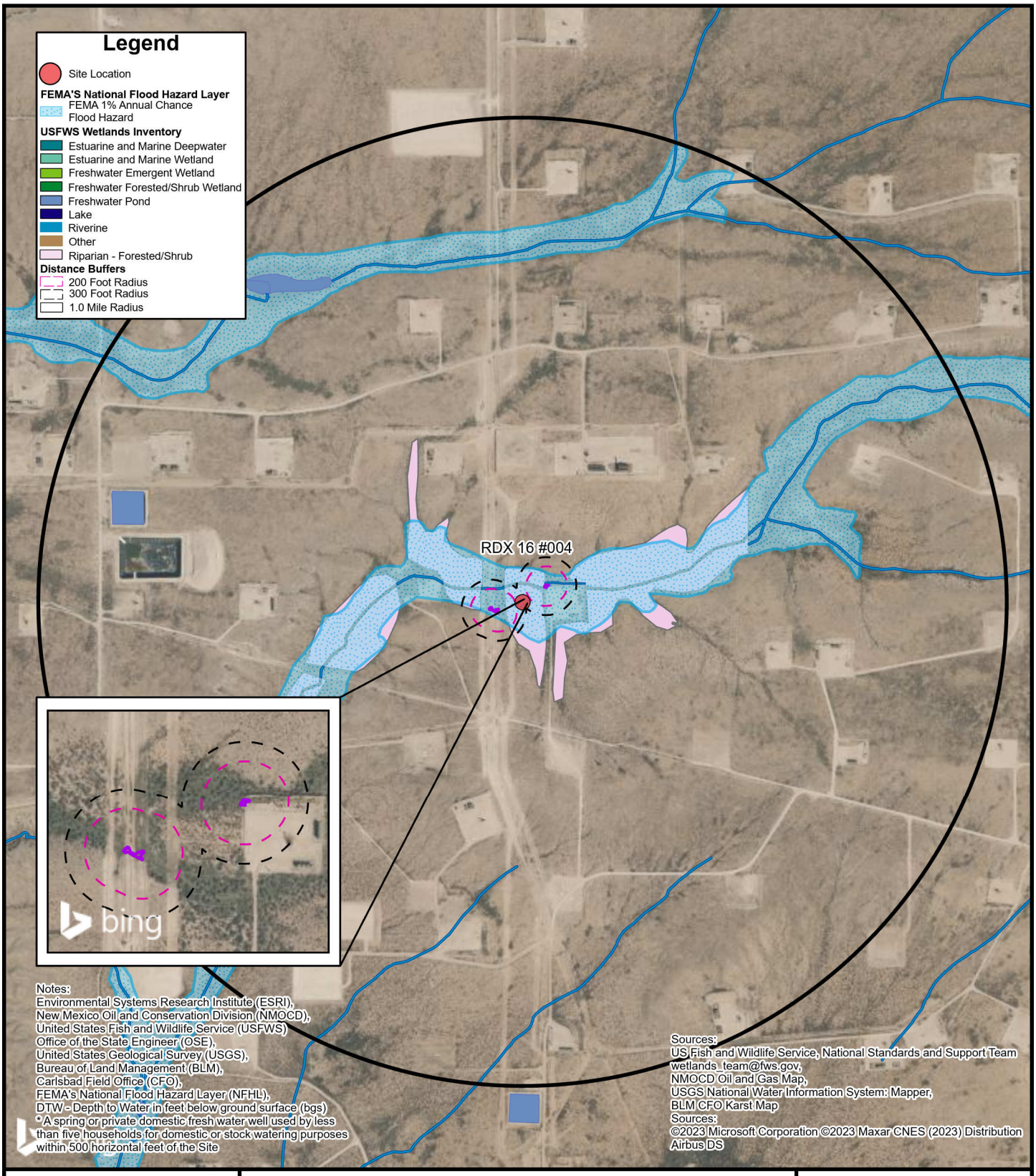

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FIGURE 1B

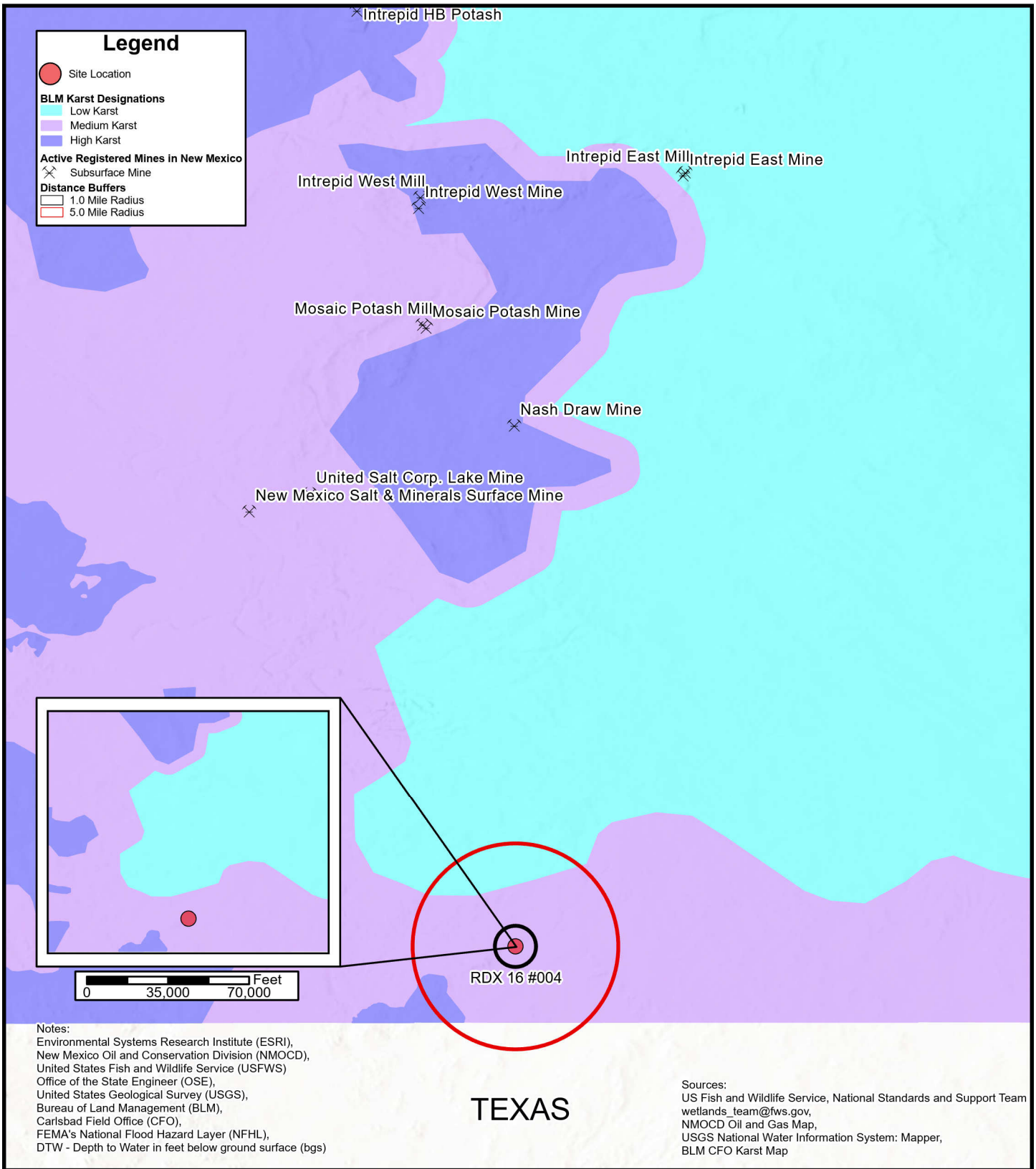
Site Characterization Map

Surficial Receptors

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H & G Sec 16 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 16 #004
Unit H & G Sec 16 T26S R30E
Eddy County, New Mexico

N

Feet
0
15,000
30,000

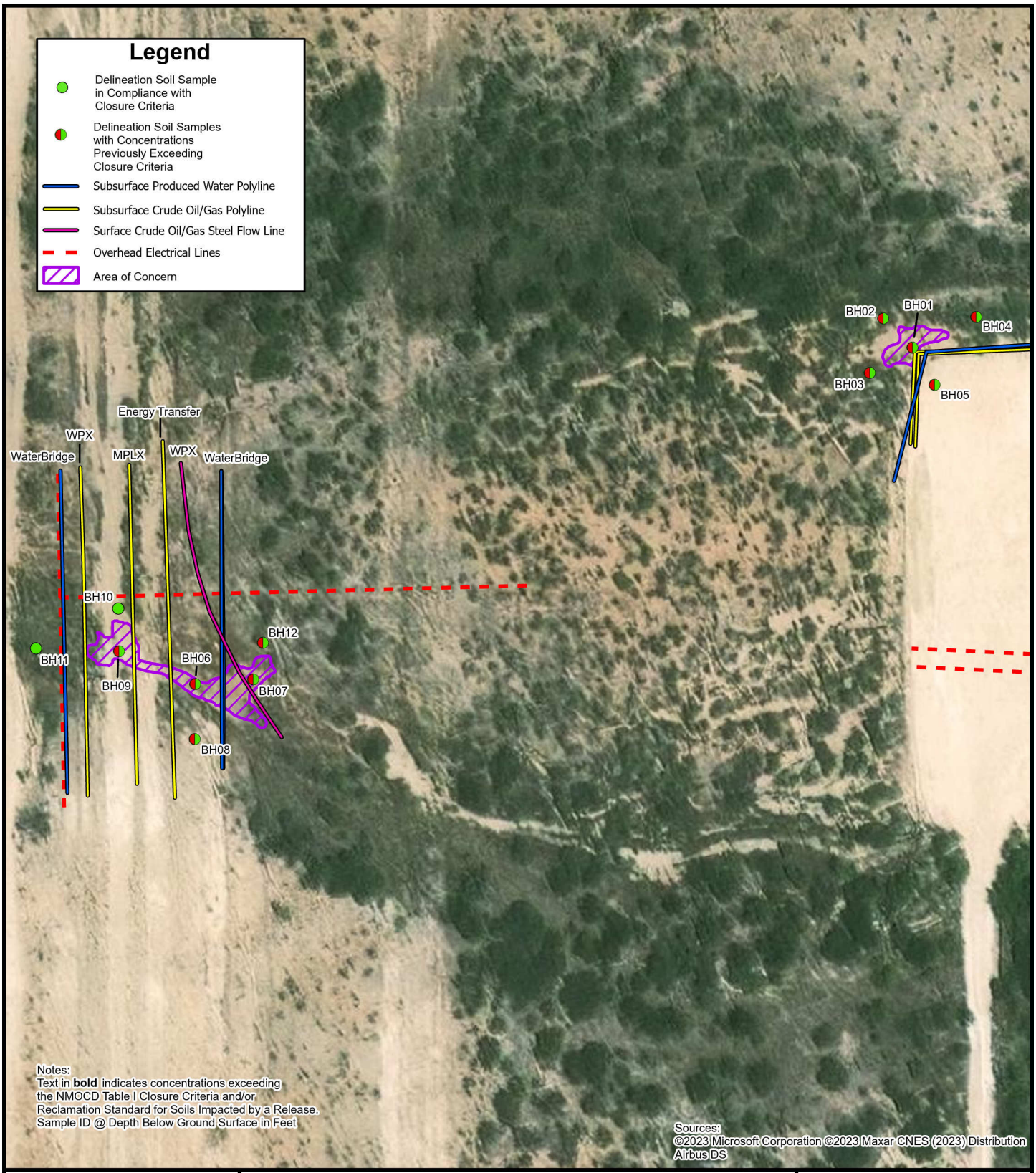


FIGURE 2

Delineation Soil Sample Locations

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H + G Sec 16 T26S R30E
Eddy County, New Mexico

N

0 55 110 Feet

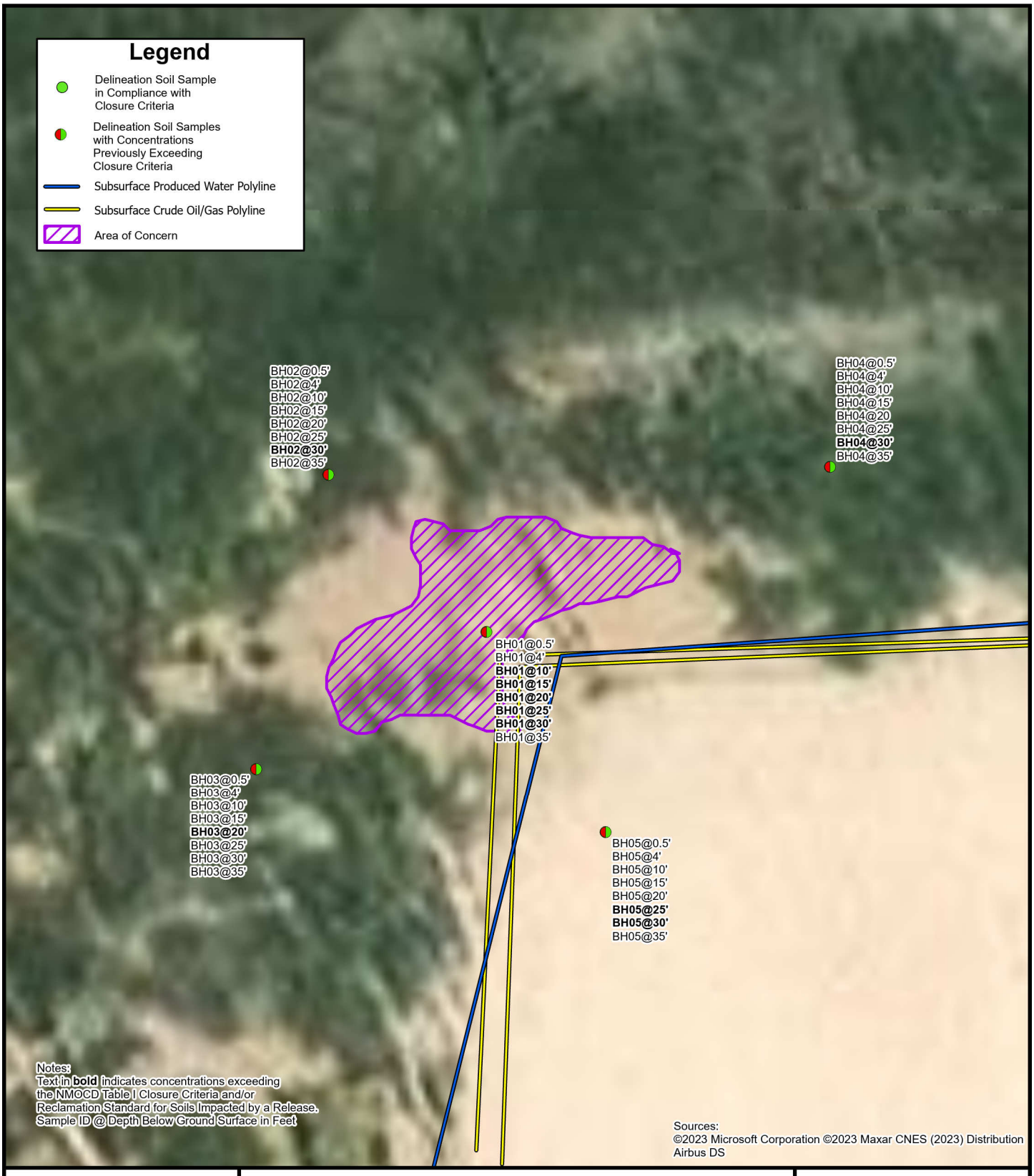


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FIGURE 2A

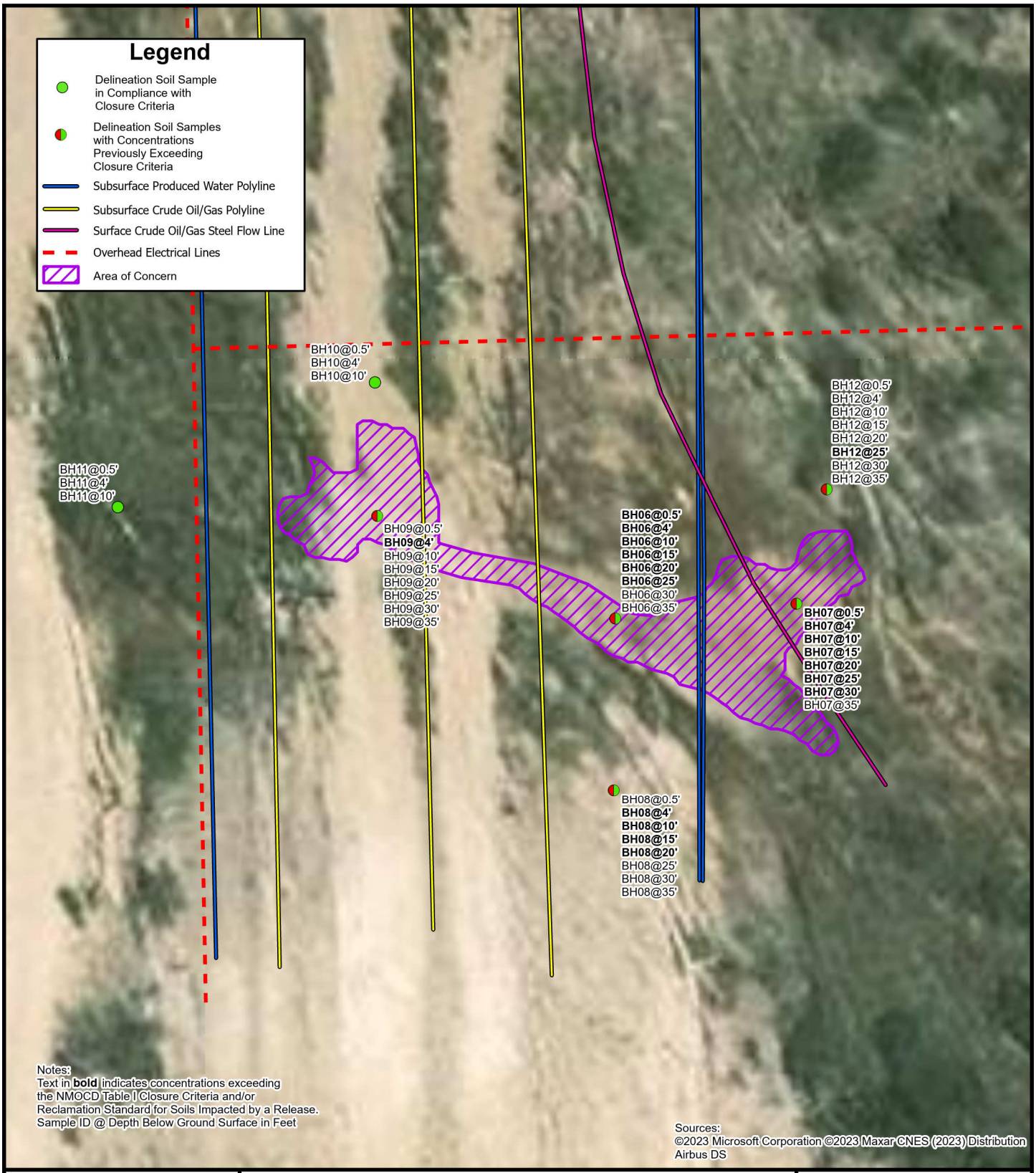
Delineation Soil Sample Locations

Area of Concern #1

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H + G Sec 16 T26S R30E
Eddy County, New Mexico

N

0 10 20 Feet



eTECH

FIGURE 2B

Delineation Soil Sample Locations

Area of Concern #2

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H + G Sec 16 T26S R30E
Eddy County, New Mexico

N

0 15 30 Feet

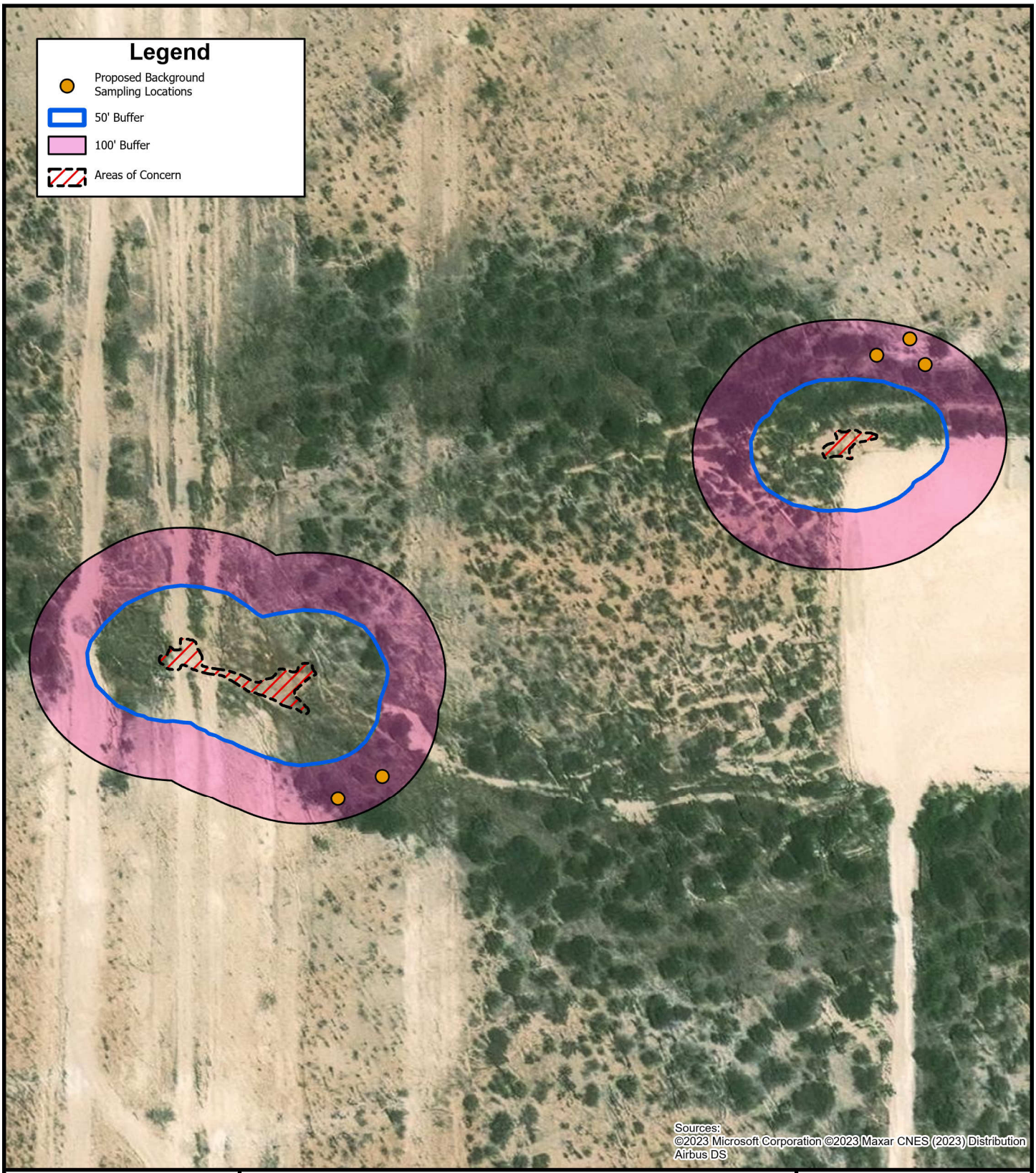


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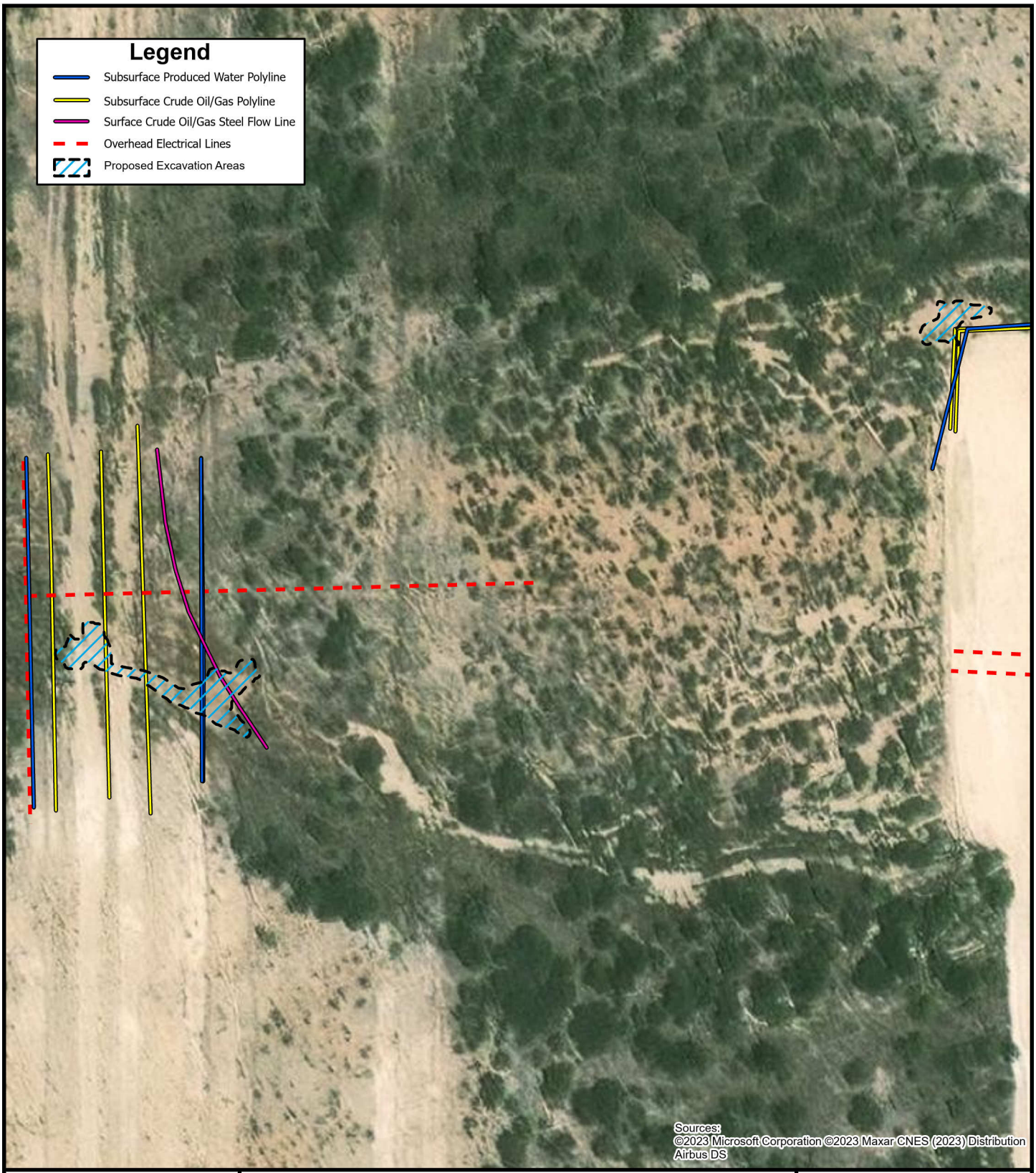
FIGURE 3

Proposed Background Soil Sampling Locations

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H + G Sec 16 T26S R30E
Eddy County, New Mexico

N

0 65 130 Feet



eTECH

FIGURE 4

Proposed Excavation Areas

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H + G Sec 16 T26S R30E
Eddy County, New Mexico

N

0 50 100 Feet

eTECH

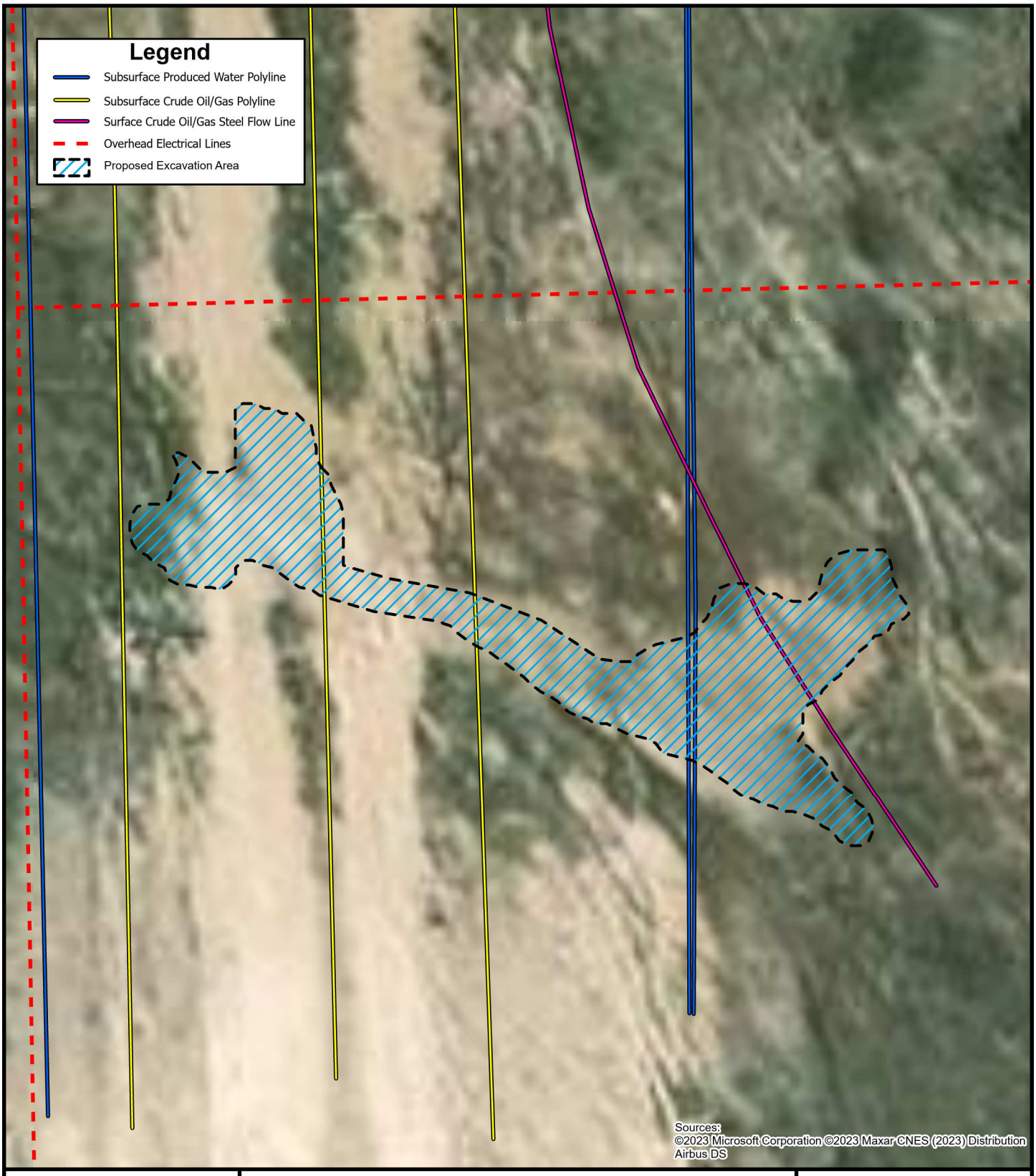
FIGURE 4A

Proposed Excavation Area

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H + G Sec 16 T26S R30E
Eddy County, New Mexico

N

0 12.5 25 Feet



eTECH

FIGURE 4B

Proposed Excavation Area

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit H + G Sec 16 T26S R30E
Eddy County, New Mexico

N

0 12.5 25 Feet

APPENDIX B

Referenced Well Records

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DII AUG 8 2022 PM 1:01:17

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 1 (TW-1)	N/A	C-4655

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Devon Energy	575-748-1838

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
6488 7 Rivers Hwy	Artesia	NM	88210

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	2	58.26	N
	LONGITUDE	103	52	48.37	W

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

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

NW NE NE Sec.16 T26S R30E, NMPM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
7/28/2022	7/28/2022	Temporary Well	±55	N/A

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DATE STATIC MEASURED: 7/28/22, 8/2/22

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

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

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	55	±6.5	Boring-HSA	--	--	--	--

3. ANNULAR MATERIAL

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

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4655	POD NO. 1	TRN NO. 729332
LOCATION 26S.30E.16.1.2.2.	WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	4	4	Sand, Fine-grained, poorly graded, Brown	Y ✓ N	
4	48	44	Sand, Fine-grained, poorly graded, with caliche Tan and white	Y ✓ N	
48	55	7	Sand, Fine-grained, poorly graded, Tan Brown	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.

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

Shane Eldridge, Cameron Pruitt

6. SIGNATURE

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

Jack Atkins — Jackie D. Atkins — 8/4/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4655	POD NO. 1	TRN NO. 729332	
LOCATION 26S.30E.16.1.2.2.		WELL TAG ID NO. —	PAGE 2 OF 2

Atkins ENGINEERING ASSOCIATES INC.
2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

August 4, 2022

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

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4655 Pod1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4655 Pod1.

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

Sincerely,

Lucas Middleton

Enclosures: as noted above

OSE DII AUG 8 2022 AM 10:17

APPENDIX C

Soil Sampling Logs

eTECH	Sample Name: BH01	Date: 02/12/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	
Dry	<116	0.5	Yes	BH01	0.5			(0-18') SAND, dry, brown, poorly graded, very fine-fine grain, trace silt, trace fine-small subround caliche gravel (1-2mm), brown stain, no odor.
Moist	328	0.4	No	BH01	4			@4' decrease in gravel, moist.
								@14' increase in silt.
Moist	2,464	0.3	No	BH01	10	10		(18-23') SAND, dry, tan-light brown, well graded with silt, fine-coarse grain, abundant small-large subround-subangular gravel (1-6mm), no stain, no odor.
								(23-34') SAND, dry, tan-light brown, poorly graded with silt, very fine-fine, no stain, unknown odor.
Moist	1,800	0.3	No	BH01	15			@30' unknown odor slightly decreased to faint, increase in silt, trace clay, increased consolidation.
								(34-35') CLAY, dry, brown, fine grain, medium plasticity, cohesive,no stain, no odor.
							SW-SM	
Dry	3,180	0.3	No	BH01	20	20		
							SP-SM	
Dry	5,592	1.4	No	BH01	25			
Dry	4,764	1.3	No	BH01	30	30		
							CL	
Dry	<116	0	No	BH01	35			
								Total Depth

eTECH	Sample Name: BH02	Date: 02/12/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-18') SAND, dry, brown, poorly graded with silt, very fine - fine grain, some small subround gravel (1mm), trace organics, no stain, no odor.
Dry	<120	0.3	No	BH02	0.5			
Dry	<120	0.2	No	BH02	4			@3' gravel increased in size to small-large (1mm-4cm), no organics.
								(18-23') SAND, dry, well graded with silt, fine-coarse grain, abundant small-large subround-subangular gravel (1mm-4cm), no stain, no odor.
Dry	<120	0.4	No	BH02	10	10		(23-28') SAND, dry, tan-light brown, poorly graded, very fine - fine grain, no stain, unknown odor.
								(28-29') CLAYEY SAND, dry, tan-light brown, fine, non-plastic, cohesive, no stain, no odor.
Dry	<120	0.3	No	BH02	15			(29-35') SAND, dry, light brown, poorly graded with silt, very fine-fine grain, no stain, unknown odor.
							SW-SM	@33' increase in clay.
Dry	<120	0.7	No	BH02	20	20		@34' no clay.
							SP	
Dry	<120	0.6	No	BH02	25			
							SC	
							SP-SM	
Dry	2,296	0.7	No	BH02	30	30		
Dry	<120	0.6	No	BH02	35			
								Total Depth

eTECH	Sample Name: BH03	Date: 02/13/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-18') SAND, dry, brown, poorly graded, very fine-fine grain, trace silt, trace organics, no stain, no odor.
Dry	<116	0.1	No	BH03	0.5			
								@4' no organics.
Dry	<116	0.4	No	BH03	4			
								@10' very earthy-like smell, increased silt.
								@14' color change to tan-light brown, increased consolidation.
								(18-25') SAND, dry, tan-light brown, well graded with silt, fine-coarse grain, abundant small-large subround gravel (1mm-4cm), no stain, no odor.
Dry	<116	0.7	No	BH03	10	10		
								(25-35') SAND, dry, tan-light brown, poorly graded with silt, very fine-fine grain, no stain, unknown odor.
Dry	<116	0.8	No	BH03	15			@30' unknown odor increased, trace clay.
								@34' color change to reddish brown, no odor.
							SW-SM	
Dry	444	0.8	No	BH03	20	20		
Dry	140	1	No	BH03	25		SP-SM	
Dry	<116	0.9	No	BH03	30	30		
Dry	<116	0.5	No	BH03	35			
								Total Depth

eTECH

	Sample Name: BH04	Date: 02/13/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	
Dry	<116	0.3	No	BH04	0.5			(0-18') SAND, dry, brown, poorly graded, very fine-fine grain, abundant organics, trace silt, trace small subround caliche gravel, brown stain, no odor.
Dry	<116	0.3	No	BH04	4			@4' increase in silt, no organics.
								(8-35') SAND, dry, tan-light brown, poorly graded with silt, very fine-fine grain, some small subround caliche gravel (1-2mm), no stain, earthy odor.
							SP-SM	
Dry	<116	0.6	No	BH04	10	10		@15' trace reddish brown clayey sand with yellow orange mottling.
								@15.5' no clay.
								@20' color change to tan, faint uknown odor.
Dry	<116	1.1	No	BH04	15			@25' unkown odor increased, decrease in silt.
								@34' some light brown clay.
								@34.5' no clay, increased silt.
Dry	<116	0.9	No	BH04	20	20		
Dry	<116	0.6	No	BH04	25			
						30		
Dry	1,208	1.4	No	BH04	30			
Dry	<116	1.1	No	BH04	35			
								Total Depth

eTECH	Sample Name: BH05	Date: 02/13/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	(0-2') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant sm-lg subround gravel, no stain, no odor.
Dry	<116	0.3	No	BH05	0.5			
							SP-SM	(2-8') SAND, dry, brown, poorly graded with silt, very fine-fine grain, no stain, no odor.
Dry	116	1.5	No	BH05	4			
								(8-13') SAND, dry, tan-light brown, well graded with silt, fine-coarse grain, some small-large subround gravel, no stain, no odor.
							SW-SM	
Dry	<116	0.8	No	BH05	10	10		(13-22') SAND, dry, light brown, poorly graded with silt, very fine-fine grain, trace small subround gravel (1mm), no stain, no odor.
							SP-SM	@19' increase in gravel.
Dry	<116	1.1	No	BH05	15			(22-28') SAND, dry, light brown-brown, well graded with silt, fine-coarse grain, some small-large subround gravel (1mm-10cm), no stain, no odor.
								(28-33') SAND, dry, light brown, poorly graded, very fine-fine, trace silt, no stain, unknown odor.
Dry	<116	0.5	No	BH05	20	20		(33-35') CLAYEY SAND, dry, poorly graded, very fine-fine, non-plastic, cohesive, abundant yellow orange mottling, no stain, no odor.
							SW-SM	
Dry	592	0.9	No	BH05	25			
							SP	
Dry	14,780	2.3	No	BH05	30	30		
							SC	
Dry	140	0.5	No	BH05	35			
							Total Depth	

eTECH	Sample Name: BH06	Date: 02/14/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-35') SAND, moist, brown, poorly graded with silt, very fine - fine grain, trace small subround gravel (1mm), brown stain, H-C odor.
Moist	368	169.4	Yes	BH06	0.5			
Moist	14,780	202.7	Yes	BH06	4			@3' color change to dark brown.
								@8' color change to light brown, no gravel, H-C odor less prevelant.
Dry	14,780	27.2	No	BH06	10	10		@14' color change to light brown-reddish brown, trace small subround to subangular gravel, trace clay, unknown odor.
								@19' color changed to light brown, no clay, no gravel, unknown odor very prevalent.
Dry	8,448	0.6	No	BH06	15			@24' some clay.
								@24.5' color change to tan.
								@28' color change to reddish brown, unknown odor still prevalent.
Dry	1,860	1	No	BH06	20	20		
Dry	1,312	0.9	No	BH06	25			
Dry	<120	1.3	No	BH06	30	30		
Dry	<120	0.5	No	BH06	35			
						Total Depth		

eTECH	Sample Name: BH07	Date: 02/14/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Moist	2,480	2.3	Yes	BH07	0.5			(0-8') SAND, moist, brown, poorly graded with silt, very fine - fine grain, trace small subround gravel (1mm), brown stain, faint H-C odor.
Moist	9,212	233.2	Yes	BH07	4			@4' color change to dark brown, H-C odor very strong, no gravel, trace clay.
								(8-18') SAND, moist, tan-light brown, well graded with silt, very fine-coarse grain, trace small subround gravel (1mm), no stain, no odor.
							SW-SM	
Moist	5,164	21.7	No	BH07	10	10		@15' color change to tan, H-C odor very strong, gravel size increased to small-large (1mm-3cm).
								(18-35') SAND, dry, tan-light brown, poorly graded with silt, very fine-fine grain, trace small-large subround gravel (1mm-2cm), no stain, faint H-C odor mixed with unknown.
Dry	9,208	734.4	No	BH07	15			@24' some clay, increased consolidation, no H-C odor but still has faint unknown odor.
							SP-SM	
Dry	3,744	11.4	No	BH07	20	20		@28' unknown odor very prevalent.
								@34' unknown odor faint.
Dry	5,592	0.7	No	BH07	25			
Dry	716	0.5	No	BH07	30	30		
Dry	<120	0.3	No	BH07	35			
								Total Depth

eTECH	Sample Name: BH08	Date: 02/14/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<120	0.2	No	BH08	0.5			(0-24') SAND, dry, brown, poorly graded with silt, very fine - fine grain, some small-large subround-subangular caliche gravel (1mm-4cm), no stain, no odor.
Moist	2,684	0.4	No	BH08	4			@2' color change to dark brown, no gravel.
								@4' color change to light brown, trace large subround gravel (4cm).
								@8' no gravel.
Dry	8,448	0.4	No	BH08	10	10		@15' unknown odor.
								@19' unknown odor prevalent.
								(24-35') CLAYEY SAND, dry, reddish brown, poorly graded, very fine grain, non-plastic, cohesive, no stain, no odor.
Dry	1,228	0.6	No	BH08	15			
Dry	1,992	0.6	No	BH08	20	20		
							SC	
Dry	196	0.4	No	BH08	25			
Dry	<120	0.1	No	BH08	30	30		
Dry	<120	0.2	No	BH08	35			
								Total Depth

eTECH	Sample Name: BH09	Date: 02/15/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-35') SAND, dry, brown, poorly graded with silt, very fine - fine grain, no stain, no odor.
Dry	120	0.8	No	BH09	0.5			
								@3' color change to dark brown.
Dry	3,744	0.5	No	BH09	4			
								@8' some small-medium subround gravel.
								@9' color change to light brown, no gravel, unknown odor.
								@14' color change to tan, decrease in silt.
Dry	<120	0.7	No	BH09	10	10		@18' color change to reddish brown, trace clay.
								@29' no clay.
Dry	<120	1.2	No	BH09	15			
Dry	<120	0.8	No	BH09	20	20		
Dry	<120	0.7	No	BH09	25			
Dry	<120	0.6	No	BH09	30	30		
Dry	<120	0.8	No	BH09	35			
						Total Depth		

eTECH	Sample Name: BH10	Date: 02/15/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 10'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-10') SAND, dry, brown, poorly graded with silt, very fine - fine grain, trace small subround-subangular caliche gravel, no stain, no odor.
Dry	<120	0.7	Yes	BH10	0.5			
Dry	<120	1.1	No	BH10	4			@2' color change to dark brown.
								@8' color change to reddish brown.
Dry	<120	1	No	BH10	10	10		

Total Depth

eTECH	Sample Name: BH11	Date: 02/15/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 10'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-3') SAND, dry, dark brown, poorly graded with silt, very fine-fine grain, some organics, no stain, earthy odor.
Dry	<120	0.8	No	BH11	0.5			
							CCHE	(3-8') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
Dry	<120	0.9	No	BH11	4			
							SP-SM	(8-10') SAND, dry, light brown, poorly graded with silt, very-fine grain, no stain, no odor.
Dry	<120	0.6	No	BH11	10	10		

Total Depth

eTECH	Sample Name: BH12	Date: 02/15/2024
	Site Name: RDX 16 #004	
	Incident Number: nAPP2223636403	
	Job Number: 18137	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.04503°, -103.88075°	Hole Diameter: 3.75"	Total Depth: 35'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	
Dry	<120	0.5	No	BH12	0.5			(0-8') SAND, dry, brown, poorly graded with silt, very fine - fine grain, trace organics, no stain, no odor.
Dry	<120	0.5	No	BH12	4			@3' color change to light brown, trace small-large subround gravel (1mm-4cm)
								(8-18') SAND, dry, reddish brown, well graded with silt, fine - coarse grain, trace small subround gravel (1mm), no stain, no odor.
							SW-SM	
Dry	<120	1	No	BH12	10	10		(18-35') SAND, dry, tan-light brown, poorly graded, very fine - fine grain, trace silt, no stain, unknown odor.
								@24' some reddish brown clay.
								@28' color change to tan, no clay.
Dry	<120	0.5	No	BH12	15			
							SP	
Dry	488	0.6	No	BH12	20	20		
Dry	9,212	0.7	No	BH12	25			
Dry	260	0.5	No	BH12	30	30		
Dry	<120	0.7	No	BH12	35			
							Total Depth	

APPENDIX D

Photographic Log

PHOTOGRAPHIC LOG
WPX Energy Permian, LLC
RDX 16 #004
Incident Number nAPP2223636403

Photograph 1 **Date: 02/12/2024**
Description: Northwestern view of Delineation activities near BH05.

Photograph 2 **Date: 02/13/2024**
Description: Southeastern view of Delineation activities near BH03.

Photograph 3 **Date: 02/13/2024**
Description: Northeastern view of Delineation activities near BH04.

Photograph 4 **Date: 02/13/2024**
Description: Northern view of Delineation activities near BH05.

PHOTOGRAPHIC LOG
WPX Energy Permian, LLC
RDX 16 #004
Incident Number nAPP2223636403

Photograph 5 **Date: 02/14/2024**
Description: Northwestern view of Delineation actvities near BH07.

Photograph 6 **Date: 02/15/2024**
Description: Southern view of Delineation activities near BH09.

Photograph 7 **Date: 02/15/2024**
Description: Northeastern view of Delineation activties near BH11.

Photograph 8 **Date: 02/15/2024**
Description: Northeastern view of Delineation activities near BH12.

APPENDIX E

Tables

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX 16 #004
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)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Delineation Soil Samples - nAPP2223636403									
BH01	02/12/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH01	02/12/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	360
BH01	02/12/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**3,120**
BH01	02/12/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**2,260**
BH01	02/12/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**4,220**
BH01	02/12/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**6,210**
BH01	02/12/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**8,620**
BH01	02/12/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	60.5
BH02	02/15/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	72.8	72.8	<20.0
BH02	02/15/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH02	02/15/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH02	02/15/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH02	02/15/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	31.0
BH02	02/15/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	98.4
BH02	02/15/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**2,540**
BH02	02/15/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH03	02/13/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	44.9
BH03	02/13/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH03	02/13/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH03	02/13/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	82.2
BH03	02/13/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**676**
BH03	02/13/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	215
BH03	02/13/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	20.6
BH03	02/13/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	70.2

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX 16 #004
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)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**100**	**600**
BH04	02/13/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	126
BH04	02/13/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04	02/13/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04	02/13/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04	02/13/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04	02/13/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH04	02/13/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**1,240**
BH04	02/13/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	47.2
BH05	02/13/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	45.3
BH05	02/13/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	132
BH05	02/13/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH05	02/13/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH05	02/13/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH05	02/13/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**710**
BH05	02/13/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**14,300**
BH05	02/13/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	169
BH06	02/14/2024	0.5	<0.0250	0.704	29.4	3,240	1,940	**5,210**	591
BH06	02/14/2024	4	<0.0250	0.367	<20.0	145	62.8	**208**	**15,800**
BH06	02/14/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**16,100**
BH06	02/14/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**11,500**
BH06	02/14/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**2,060**
BH06	02/14/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**1,650**
BH06	02/14/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	175
BH06	02/14/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX 16 #004
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)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**100**	**600**
BH07	02/14/2024	0.5	<0.0250	<0.0500	<20.0	1,010	1,180	**2,190**	**4,240**
BH07	02/14/2024	4	<0.0250	5.01	103	2,900	1,280	**4,180**	**10,600**
BH07	02/14/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**9,170**
BH07	02/14/2024	15	0.149	12.3	133	4,210	1,510	**5,720**	**12,100**
BH07	02/14/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**4,320**
BH07	02/14/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**9,320**
BH07	02/14/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**825**
BH07	02/14/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH08	02/14/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	69.0
BH08	02/14/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**3,060**
BH08	02/14/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**9,980**
BH08	02/14/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**1,900**
BH08	02/14/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**2,540**
BH08	02/14/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	377
BH08	02/14/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH08	02/14/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09	02/15/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	155
BH09	02/15/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**4,670**
BH09	02/15/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	40.7
BH09	02/15/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09	02/15/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09	02/15/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09	02/15/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09	02/15/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX 16 #004
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)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**100**	**600**
BH10	02/15/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH10	02/15/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	35.5
BH10	02/15/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	50.1
BH11	02/15/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	22.8
BH11	02/15/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	29.4
BH11	02/15/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH12	02/15/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	64.2
BH12	02/15/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH12	02/15/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH12	02/15/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH12	02/15/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	425
BH12	02/15/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**13,400**
BH12	02/15/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	377
BH12	02/15/2024	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0

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

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 16 #004
Work Order:	E402115
Job Number:	01058-0007
Received:	2/14/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/16/24

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: 2/16/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402115
Date Received: 2/14/2024 8:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/14/2024 8:00:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/16/24 08:14

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 0.5'	E402115-01A	Soil	02/12/24	02/14/24	Glass Jar, 4 oz.
BH01 4'	E402115-02A	Soil	02/12/24	02/14/24	Glass Jar, 4 oz.
BH01 10'	E402115-03A	Soil	02/12/24	02/14/24	Glass Jar, 4 oz.
BH01 15'	E402115-04A	Soil	02/12/24	02/14/24	Glass Jar, 4 oz.
BH01 20'	E402115-05A	Soil	02/12/24	02/14/24	Glass Jar, 4 oz.
BH01 25'	E402115-06A	Soil	02/12/24	02/14/24	Glass Jar, 4 oz.
BH01 30'	E402115-07A	Soil	02/12/24	02/14/24	Glass Jar, 4 oz.
BH01 35'	E402115-08A	Soil	02/12/24	02/14/24	Glass Jar, 4 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

BH01 0.5'

E402115-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Benzene	ND	0.0250	1	02/14/24	02/15/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24	
Toluene	ND	0.0250	1	02/14/24	02/15/24	
o-Xylene	ND	0.0250	1	02/14/24	02/15/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/15/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.7 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2407045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/24	02/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/24	02/14/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*02/14/24*	*02/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407046
Chloride	ND	20.0	1	02/14/24	02/14/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

BH01 4'

E402115-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Benzene	ND	0.0250	1	02/14/24	02/15/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24	
Toluene	ND	0.0250	1	02/14/24	02/15/24	
o-Xylene	ND	0.0250	1	02/14/24	02/15/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/15/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.4 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2407045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/24	02/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/24	02/14/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*02/14/24*	*02/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407046
Chloride	**360**	20.0	1	02/14/24	02/14/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

BH01 10'

E402115-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Benzene	ND	0.0250	1	02/14/24	02/15/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24	
Toluene	ND	0.0250	1	02/14/24	02/15/24	
o-Xylene	ND	0.0250	1	02/14/24	02/15/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/15/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.9 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2407045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/24	02/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/24	02/14/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*02/14/24*	*02/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407046
Chloride	**3120**	40.0	2	02/14/24	02/14/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

BH01 15'

E402115-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Benzene	ND	0.0250	1	02/14/24	02/15/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24	
Toluene	ND	0.0250	1	02/14/24	02/15/24	
o-Xylene	ND	0.0250	1	02/14/24	02/15/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/15/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.0 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2407045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/24	02/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/24	02/14/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*02/14/24*	*02/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407046
Chloride	**2260**	20.0	1	02/14/24	02/14/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

BH01 20'

E402115-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Benzene	ND	0.0250	1	02/14/24	02/15/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24	
Toluene	ND	0.0250	1	02/14/24	02/15/24	
o-Xylene	ND	0.0250	1	02/14/24	02/15/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/15/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.9 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2407045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/24	02/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/24	02/14/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*02/14/24*	*02/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407046
Chloride	**4220**	40.0	2	02/14/24	02/14/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

BH01 25'

E402115-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Benzene	ND	0.0250	1	02/14/24	02/14/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/14/24	
Toluene	ND	0.0250	1	02/14/24	02/14/24	
o-Xylene	ND	0.0250	1	02/14/24	02/14/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/14/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*70-130*	*02/14/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*02/14/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2407045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/24	02/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/24	02/14/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*02/14/24*	*02/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407046
Chloride	**6210**	40.0	2	02/14/24	02/14/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

BH01 30'

E402115-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Benzene	ND	0.0250	1	02/14/24	02/15/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24	
Toluene	ND	0.0250	1	02/14/24	02/15/24	
o-Xylene	ND	0.0250	1	02/14/24	02/15/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/15/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.8 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*02/14/24*	*02/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2407045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/24	02/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/24	02/14/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*02/14/24*	*02/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407046
Chloride	**8620**	100	5	02/14/24	02/14/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

BH01 35'

E402115-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Benzene	ND	0.0250	1	02/14/24	02/14/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/14/24	
Toluene	ND	0.0250	1	02/14/24	02/14/24	
o-Xylene	ND	0.0250	1	02/14/24	02/14/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/14/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.8 %*	*70-130*	*02/14/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.9 %*	*70-130*	*02/14/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2407045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/24	02/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/24	02/14/24	
Surrogate: n-Nonane		*121 %*	*50-200*	*02/14/24*	*02/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407046
Chloride	**60.5**	20.0	1	02/14/24	02/14/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407041-BLK1)									Prepared: 02/14/24 Analyzed: 02/14/24
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	*7.62*		*8.00*		*95.2*	*70-130*			
LCS (2407041-BS1)									Prepared: 02/14/24 Analyzed: 02/14/24
Benzene	4.97	0.0250	5.00		99.4	70-130			
Ethylbenzene	5.05	0.0250	5.00		101	70-130			
Toluene	5.12	0.0250	5.00		102	70-130			
o-Xylene	5.13	0.0250	5.00		103	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			
Matrix Spike (2407041-MS1)				**Source: E402109-01**					Prepared: 02/14/24 Analyzed: 02/14/24
Benzene	4.47	0.0250	5.00	ND	89.5	54-133			
Ethylbenzene	4.56	0.0250	5.00	ND	91.3	61-133			
Toluene	4.61	0.0250	5.00	ND	92.3	61-130			
o-Xylene	4.63	0.0250	5.00	ND	92.5	63-131			
p,m-Xylene	9.34	0.0500	10.0	ND	93.4	63-131			
Total Xylenes	14.0	0.0250	15.0	ND	93.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.41*		*8.00*		*92.6*	*70-130*			
Matrix Spike Dup (2407041-MSD1)				**Source: E402109-01**					Prepared: 02/14/24 Analyzed: 02/14/24
Benzene	4.39	0.0250	5.00	ND	87.8	54-133	1.91	20	
Ethylbenzene	4.50	0.0250	5.00	ND	89.9	61-133	1.51	20	
Toluene	4.54	0.0250	5.00	ND	90.8	61-130	1.60	20	
o-Xylene	4.55	0.0250	5.00	ND	91.0	63-131	1.69	20	
p,m-Xylene	9.19	0.0500	10.0	ND	91.9	63-131	1.60	20	
Total Xylenes	13.7	0.0250	15.0	ND	91.6	63-131	1.63	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.32*		*8.00*		*91.4*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407041-BLK1)									Prepared: 02/14/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.2*	*70-130*			
LCS (2407041-BS2)									Prepared: 02/14/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*8.00*		*93.9*	*70-130*			
Matrix Spike (2407041-MS2)				**Source: E402109-01**					Prepared: 02/14/24 Analyzed: 02/15/24
Gasoline Range Organics (C6-C10)	43.9	20.0	50.0	ND	87.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.7*	*70-130*			
Matrix Spike Dup (2407041-MSD2)				**Source: E402109-01**					Prepared: 02/14/24 Analyzed: 02/15/24
Gasoline Range Organics (C6-C10)	45.2	20.0	50.0	ND	90.3	70-130	2.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407045-BLK1)									Prepared: 02/14/24 Analyzed: 02/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.5*		*50.0*		*111*	*50-200*			
LCS (2407045-BS1)									Prepared: 02/14/24 Analyzed: 02/14/24
Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132			
Surrogate: n-Nonane	*58.1*		*50.0*		*116*	*50-200*			
Matrix Spike (2407045-MS1)				**Source: E402112-04**					Prepared: 02/14/24 Analyzed: 02/14/24
Diesel Range Organics (C10-C28)	279	25.0	250	ND	112	38-132			
Surrogate: n-Nonane	*56.5*		*50.0*		*113*	*50-200*			
Matrix Spike Dup (2407045-MSD1)				**Source: E402112-04**					Prepared: 02/14/24 Analyzed: 02/14/24
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	38-132	2.52	20	
Surrogate: n-Nonane	*56.2*		*50.0*		*112*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/16/2024 8:14:59AM

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 (2407046-BLK1)									Prepared: 02/14/24 Analyzed: 02/14/24
Chloride	ND	20.0							
LCS (2407046-BS1)									Prepared: 02/14/24 Analyzed: 02/14/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2407046-MS1)				**Source: E402115-02**					Prepared: 02/14/24 Analyzed: 02/14/24
Chloride	631	20.0	250	360	108	80-120			
Matrix Spike Dup (2407046-MSD1)				**Source: E402115-02**					Prepared: 02/14/24 Analyzed: 02/14/24
Chloride	637	20.0	250	360	111	80-120	0.923	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/16/24 08:14

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	**Bill To**	Lab Use Only 01058-0007	TAT / EPA Program
Project: RDX 16 #004	Attention: Jim Raley	Lab WO# E402115	Job Number AP 04108-0031
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 Day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		CWA SDWA RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21095164		
Collected by: Gilbert Moreno	Incident ID: nAPP2223636403		

Analysis and Method: Depth(ft.) | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | TDS | Cation/Anion | BGDOC NM | GDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	BGDOC NM	Remarks
11:00	2.12.24	S	1	BH01	1	0.5'	X	
11:20	2.12.24	S	1	BH01	2	4'	X	
11:40	2.12.24	S	1	BH01	3	10'	X	
12:00	2.12.24	S	1	BH01	4	15'	X	
12:20	2.12.24	S	1	BH01	5	20'	X	
12:40	2.12.24	S	1	BH01	6	25'	X	
13:00	2.12.24	S	1	BH01	7	30'	X	
13:20	2.12.24	S	1	BH01	9	35'	X	1-Day RUSH

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: GM

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
	2.12.24	17:30	Michelle Gonzales	2-12-24	1730
Michelle Gonzales	2.13.24	1630	Andrew Mesa	2.13.24	1800
Andrew Mesa	2.13.24	2400		2-14-24	0300

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: 2/14/2024 12:16:56PM

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:	02/14/24 08:00	Work Order ID:	E402115
Phone:	(539) 573-4018	Date Logged In:	02/14/24 08:48	Logged In By:	Angelina Pineda
Email:	devon-team@ensolum.com	Due Date:	02/14/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? 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 16 #004
Work Order:	E402161
Job Number:	01058-0007
Received:	2/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/26/24

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: 2/26/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402161
Date Received: 2/19/2024 7:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/19/2024 7:30:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 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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Laboratory Administrator
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/26/24 13:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 0.5'	E402161-01A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
BH02 4'	E402161-02A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
BH02 10'	E402161-03A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
BH02 15'	E402161-04A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
BH02 20'	E402161-05A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
BH02 25'	E402161-06A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
BH02 30	E402161-07A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
BH02 35'	E402161-08A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

BH02 0.5'

E402161-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/23/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/23/24	
Toluene	ND	0.0250	1	02/19/24	02/23/24	
o-Xylene	ND	0.0250	1	02/19/24	02/23/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/23/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*02/19/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*02/19/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	**72.8**	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

BH02 4'

E402161-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/23/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/23/24	
Toluene	ND	0.0250	1	02/19/24	02/23/24	
o-Xylene	ND	0.0250	1	02/19/24	02/23/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/23/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*02/19/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*02/19/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

BH02 10'

E402161-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/20/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

BH02 15'

E402161-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

BH02 20'

E402161-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.0 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	**31.0**	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

BH02 25'

E402161-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.5 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	**98.4**	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

BH02 30

E402161-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	**2540**	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

BH02 35'

E402161-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.6 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

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 (2408011-BLK1)									Prepared: 02/19/24 Analyzed: 02/23/24
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	*7.59*		*8.00*		*94.9*	*70-130*			
LCS (2408011-BS1)									Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	4.94	0.0250	5.00		98.8	70-130			
Ethylbenzene	4.83	0.0250	5.00		96.6	70-130			
Toluene	4.96	0.0250	5.00		99.2	70-130			
o-Xylene	4.90	0.0250	5.00		97.9	70-130			
p,m-Xylene	9.87	0.0500	10.0		98.7	70-130			
Total Xylenes	14.8	0.0250	15.0		98.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.61*		*8.00*		*95.2*	*70-130*			
Matrix Spike (2408011-MS1)				**Source: E402162-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	4.99	0.0250	5.00	ND	99.8	54-133			
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	4.94	0.0250	5.00	ND	98.9	63-131			
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.54*		*8.00*		*94.2*	*70-130*			
Matrix Spike Dup (2408011-MSD1)				**Source: E402162-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	5.01	0.0250	5.00	ND	100	54-133	0.459	20	
Ethylbenzene	4.90	0.0250	5.00	ND	98.1	61-133	0.458	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	0.373	20	
o-Xylene	4.96	0.0250	5.00	ND	99.3	63-131	0.411	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	0.425	20	
Total Xylenes	15.0	0.0250	15.0	ND	99.8	63-131	0.420	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.50*		*8.00*		*93.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

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 (2408011-BLK1)									Prepared: 02/19/24 Analyzed: 02/23/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.3*	*70-130*			
LCS (2408011-BS2)									Prepared: 02/19/24 Analyzed: 02/26/24
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		*8.00*		*93.5*	*70-130*			
Matrix Spike (2408011-MS2)				**Source: E402162-01**					Prepared: 02/19/24 Analyzed: 02/23/24
Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.56*		*8.00*		*94.5*	*70-130*			
Matrix Spike Dup (2408011-MSD2)				**Source: E402162-01**					Prepared: 02/19/24 Analyzed: 02/23/24
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.1	70-130	3.61	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		*8.00*		*94.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

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 (2408020-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.0*		*50.0*		*112*	*50-200*			
LCS (2408020-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*50-200*			
Matrix Spike (2408020-MS1)				**Source: E402161-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132			
Surrogate: n-Nonane	*48.4*		*50.0*		*96.8*	*50-200*			
Matrix Spike Dup (2408020-MSD1)				**Source: E402161-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	38-132	0.358	20	
Surrogate: n-Nonane	*48.8*		*50.0*		*97.5*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:19:16PM

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 (2408043-BLK1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	ND	20.0							
LCS (2408043-BS1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2408043-MS1)				**Source: E402161-03**					Prepared: 02/20/24 Analyzed: 02/21/24
Chloride	250	20.0	250	ND	99.9	80-120			
Matrix Spike Dup (2408043-MSD1)				**Source: E402161-03**					Prepared: 02/20/24 Analyzed: 02/21/24
Chloride	250	20.0	250	ND	99.8	80-120	0.123	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/26/24 13:19

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 2/19/2024 10:25:12AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/19/24 07:30	Work Order ID:	E402161
Phone:	(539) 573-4018	Date Logged In:	02/19/24 08:57	Logged In By:	Angelina Pineda
Email:	devon-team@etechenv.com	Due Date:	02/23/24 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 16 #004
Work Order:	E402124
Job Number:	01058-0007
Received:	2/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/21/24

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: 2/21/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402124
Date Received: 2/15/2024 8:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/15/2024 8:00:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 12:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03 0.5'	E402124-01A	Soil	02/13/24	02/15/24	Glass Jar, 4 oz.
BH03 4'	E402124-02A	Soil	02/13/24	02/15/24	Glass Jar, 4 oz.
BH03 10'	E402124-03A	Soil	02/13/24	02/15/24	Glass Jar, 4 oz.
BH03 15'	E402124-04A	Soil	02/13/24	02/15/24	Glass Jar, 4 oz.
BH03 20'	E402124-05A	Soil	02/13/24	02/15/24	Glass Jar, 4 oz.
BH03 25'	E402124-06A	Soil	02/13/24	02/15/24	Glass Jar, 4 oz.
BH03 30'	E402124-07A	Soil	02/13/24	02/15/24	Glass Jar, 4 oz.
BH03 35'	E402124-08A	Soil	02/13/24	02/15/24	Glass Jar, 4 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

BH03 0.5'

E402124-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/15/24	
Surrogate: n-Nonane		*94.3 %*	*50-200*	*02/15/24*	*02/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	**44.9**	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

BH03 4'

E402124-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/15/24	
Surrogate: n-Nonane		*93.4 %*	*50-200*	*02/15/24*	*02/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	ND	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

BH03 10'

E402124-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.1 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/15/24	
Surrogate: n-Nonane		*90.0 %*	*50-200*	*02/15/24*	*02/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	ND	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

BH03 15'

E402124-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.3 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/15/24	
Surrogate: n-Nonane		*91.7 %*	*50-200*	*02/15/24*	*02/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	**82.2**	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

BH03 20'

E402124-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.8 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/15/24	
Surrogate: n-Nonane		*84.2 %*	*50-200*	*02/15/24*	*02/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	**676**	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

BH03 25'

E402124-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.7 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/15/24	
Surrogate: n-Nonane		*93.6 %*	*50-200*	*02/15/24*	*02/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	**215**	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

BH03 30'

E402124-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.6 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/15/24	
Surrogate: n-Nonane		*90.9 %*	*50-200*	*02/15/24*	*02/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	**20.6**	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

BH03 35'

E402124-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.6 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.1 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*96.9 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	**70.2**	20.0	1	02/16/24	02/16/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
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	*7.28*		*8.00*		*91.1*	*70-130*			
LCS (2407065-BS1)									Prepared: 02/15/24 Analyzed: 02/17/24
Benzene	4.12	0.0250	5.00		82.4	70-130			
Ethylbenzene	4.07	0.0250	5.00		81.4	70-130			
Toluene	4.09	0.0250	5.00		81.8	70-130			
o-Xylene	4.02	0.0250	5.00		80.4	70-130			
p,m-Xylene	8.21	0.0500	10.0		82.1	70-130			
Total Xylenes	12.2	0.0250	15.0		81.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.31*		*8.00*		*91.3*	*70-130*			
Matrix Spike (2407065-MS1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.41	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.40	0.0250	5.00	ND	108	61-133			
Toluene	5.39	0.0250	5.00	ND	108	61-130			
o-Xylene	5.32	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike Dup (2407065-MSD1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.15	0.0250	5.00	ND	103	54-133	4.94	20	
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133	4.91	20	
Toluene	5.14	0.0250	5.00	ND	103	61-130	4.88	20	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	5.14	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	4.88	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	4.96	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.3*	*70-130*			
LCS (2407065-BS2)									Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2407065-MS2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike Dup (2407065-MSD2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	0.355	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

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 (2407069-BLK1)									Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.3*		*50.0*		*94.5*	*50-200*			
LCS (2407069-BS1)									Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	246	25.0	250		98.5	38-132			
Surrogate: n-Nonane	*46.8*		*50.0*		*93.5*	*50-200*			
Matrix Spike (2407069-MS1)				**Source: E402124-02**					Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	*44.8*		*50.0*		*89.7*	*50-200*			
Matrix Spike Dup (2407069-MSD1)				**Source: E402124-02**					Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	1.57	20	
Surrogate: n-Nonane	*42.5*		*50.0*		*85.0*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:52:25PM

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 (2407084-BLK1)									Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	ND	20.0							
LCS (2407084-BS1)									Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2407084-MS1)				**Source: E402124-02**					Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	250	20.0	250	ND	100	80-120			
Matrix Spike Dup (2407084-MSD1)				**Source: E402124-02**					Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	251	20.0	250	ND	100	80-120	0.114	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 12:52

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	
Project: RDX 16 #004	
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: Gilbert Moreno	

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
WBS/WO: 21095164
Incident ID: nAPP2223636403

Lab Use Only 06058-0007

Lab WO# E402124 | Job Number ~~04108-0057~~ AR

TAT: 1D | 2D | 3D | Standard: 5 Day TAT

EPA Program: CWA | SDWA | RCRA

State: NM x | 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	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
9:00	2.13.24	S	1	BH03	1	0.5'								X				
9:20	2.13.24	S	1	BH03	2	4'								X				
9:30	2.13.24	S	1	BH03	3	10'								X				
9:40	2.13.24	S	1	BH03	4	15'								X				
9:50	2.13.24	S	1	BH03	5	20'								X				
10:00	2.13.24	S	1	BH03	6	25'								X				
10:10	2.13.24	S	1	BH03	7	30								X				
10:20	2.13.24	S	1	BH03	8	35'								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: GM

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
	2.14.24		Michelle Kramp	2-14-24	0956
Michelle Kramp	2-14-24	1515	Andrew Mesa	2.14.24	1900
Andrew Mesa	2.14.24	2400		2/15/24	0800

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: 2/15/2024 12:49:25PM

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:	02/15/24 08:00	Work Order ID:	E402124
Phone:	(539) 573-4018	Date Logged In:	02/15/24 08:40	Logged In By:	Angelina Pineda
Email:	devon-team@ensolum.com	Due Date:	02/21/24 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 discussion.	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 16 #004

Work Order: E402127

Job Number: 01058-0007

Received: 2/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/19/24

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: 2/19/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402127
Date Received: 2/15/2024 8:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/15/2024 8:00:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/19/24 15:22

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04 0.5'	E402127-01A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH04 4'	E402127-02A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH04 10'	E402127-03A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH04 15'	E402127-04A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH04 20'	E402127-05A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH04 25'	E402127-06A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

BH04 0.5'

E402127-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Benzene	ND	0.0250	1	02/15/24	02/16/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/16/24	
Toluene	ND	0.0250	1	02/15/24	02/16/24	
o-Xylene	ND	0.0250	1	02/15/24	02/16/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/16/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.3 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*92.8 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	**126**	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

BH04 4'

E402127-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Benzene	ND	0.0250	1	02/15/24	02/16/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/16/24	
Toluene	ND	0.0250	1	02/15/24	02/16/24	
o-Xylene	ND	0.0250	1	02/15/24	02/16/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/16/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*93.3 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	ND	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

BH04 10'

E402127-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Benzene	ND	0.0250	1	02/15/24	02/16/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/16/24	
Toluene	ND	0.0250	1	02/15/24	02/16/24	
o-Xylene	ND	0.0250	1	02/15/24	02/16/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/16/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.8 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*89.2 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	ND	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

BH04 15'

E402127-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Benzene	ND	0.0250	1	02/15/24	02/16/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/16/24	
Toluene	ND	0.0250	1	02/15/24	02/16/24	
o-Xylene	ND	0.0250	1	02/15/24	02/16/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/16/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.8 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*83.8 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	ND	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

BH04 20'

E402127-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Benzene	ND	0.0250	1	02/15/24	02/16/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/16/24	
Toluene	ND	0.0250	1	02/15/24	02/16/24	
o-Xylene	ND	0.0250	1	02/15/24	02/16/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/16/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.5 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*91.3 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	ND	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

BH04 25'

E402127-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Benzene	ND	0.0250	1	02/15/24	02/16/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/16/24	
Toluene	ND	0.0250	1	02/15/24	02/16/24	
o-Xylene	ND	0.0250	1	02/15/24	02/16/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/16/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407062
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*02/15/24*	*02/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*86.3 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	ND	20.0	1	02/16/24	02/16/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407062-BLK1)									Prepared: 02/15/24 Analyzed: 02/16/24
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	*7.76*		*8.00*		*97.0*	*70-130*			
LCS (2407062-BS1)									Prepared: 02/15/24 Analyzed: 02/16/24
Benzene	3.61	0.0250	5.00		72.1	70-130			
Ethylbenzene	4.07	0.0250	5.00		81.4	70-130			
Toluene	3.99	0.0250	5.00		79.7	70-130			
o-Xylene	4.16	0.0250	5.00		83.1	70-130			
p,m-Xylene	8.35	0.0500	10.0		83.5	70-130			
Total Xylenes	12.5	0.0250	15.0		83.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.2*	*70-130*			
Matrix Spike (2407062-MS1)				**Source: E402122-05**					Prepared: 02/15/24 Analyzed: 02/16/24
Benzene	4.65	0.0250	5.00	ND	93.0	54-133			
Ethylbenzene	4.53	0.0250	5.00	ND	90.7	61-133			
Toluene	4.64	0.0250	5.00	ND	92.8	61-130			
o-Xylene	4.57	0.0250	5.00	ND	91.4	63-131			
p,m-Xylene	9.28	0.0500	10.0	ND	92.8	63-131			
Total Xylenes	13.9	0.0250	15.0	ND	92.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike Dup (2407062-MSD1)				**Source: E402122-05**					Prepared: 02/15/24 Analyzed: 02/16/24
Benzene	4.36	0.0250	5.00	ND	87.2	54-133	6.41	20	
Ethylbenzene	4.26	0.0250	5.00	ND	85.2	61-133	6.26	20	
Toluene	4.35	0.0250	5.00	ND	87.1	61-130	6.38	20	
o-Xylene	4.30	0.0250	5.00	ND	86.0	63-131	6.16	20	
p,m-Xylene	8.72	0.0500	10.0	ND	87.2	63-131	6.20	20	
Total Xylenes	13.0	0.0250	15.0	ND	86.8	63-131	6.18	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.7*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

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 (2407062-BLK1)									Prepared: 02/15/24 Analyzed: 02/16/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.8*	*70-130*			
LCS (2407062-BS2)									Prepared: 02/15/24 Analyzed: 02/16/24
Gasoline Range Organics (C6-C10)	41.3	20.0	50.0		82.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.6*	*70-130*			
Matrix Spike (2407062-MS2)				**Source: E402122-05**					Prepared: 02/15/24 Analyzed: 02/16/24
Gasoline Range Organics (C6-C10)	37.9	20.0	50.0	ND	75.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.43*		*8.00*		*92.8*	*70-130*			
Matrix Spike Dup (2407062-MSD2)				**Source: E402122-05**					Prepared: 02/15/24 Analyzed: 02/16/24
Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	ND	86.1	70-130	12.7	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*8.00*		*93.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

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 (2407069-BLK1)									Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.3*		*50.0*		*94.5*	*50-200*			
LCS (2407069-BS1)									Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	246	25.0	250		98.5	38-132			
Surrogate: n-Nonane	*46.8*		*50.0*		*93.5*	*50-200*			
Matrix Spike (2407069-MS1)				**Source: E402124-02**					Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	*44.8*		*50.0*		*89.7*	*50-200*			
Matrix Spike Dup (2407069-MSD1)				**Source: E402124-02**					Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	1.57	20	
Surrogate: n-Nonane	*42.5*		*50.0*		*85.0*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/19/2024 3:22:06PM

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 (2407091-BLK1)									Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	ND	20.0							
LCS (2407091-BS1)									Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	261	20.0	250		104	90-110			
Matrix Spike (2407091-MS1)				**Source: E402121-02**					Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	1180	40.0	250	935	99.8	80-120			
Matrix Spike Dup (2407091-MSD1)				**Source: E402121-02**					Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	1170	40.0	250	935	93.8	80-120	1.29	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/19/24 15:22

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

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

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

Released to Imaging: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	
Project: RDX 16 #004	
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: Gilbert Moreno	

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
WBS/WO: 21095164
Incident ID: nAPP2223636403

Lab Use Only 01036-0007

Lab WO# E402127 | Job Number ~~04108-0634~~ AP

TAT: 1D | 2D | 3D | Standard: 5 Day TAT

EPA Program: CWA | SDWA | RCRA

State: NM (x) | 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	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
11:00	2.13.24	S	1	BH04	1	0.5'								X				
11:10	2.13.24	S	1	BH04	2	4'								X				
11:20	2.13.24	S	1	BH04	3	10'								X				
11:30	2.13.24	S	1	BH04	4	15'								X				
11:40	2.13.24	S	1	BH04	5	20'								X				
11:50	2.13.24	S	1	BH04	6	25'								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: GM

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
	2.14.24			2-14-24	0956
	2-14-24	1515		2.14.24	1900
	2.14.24	2400		2/15/24	0800

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: 2/15/2024 10:21:35AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/15/24 08:00	Work Order ID:	E402127
Phone:	(539) 573-4018	Date Logged In:	02/15/24 08:52	Logged In By:	Angelina Pineda
Email:	devon-team@ensolum.com	Due Date:	02/21/24 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 16 #004
Work Order:	E402128
Job Number:	01058-0007
Received:	2/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/21/24

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: 2/21/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402128
Date Received: 2/15/2024 8:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/15/2024 8:00:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 13:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04 30'	E402128-01A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:53:45PM

BH04 30'

E402128-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.0 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407071
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/17/24	
Surrogate: n-Nonane		*98.0 %*	*50-200*	*02/15/24*	*02/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407080
Chloride	**1180**	20.0	1	02/20/24	02/20/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:53:45PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
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	*7.28*		*8.00*		*91.1*	*70-130*			
LCS (2407065-BS1)									Prepared: 02/15/24 Analyzed: 02/17/24
Benzene	4.12	0.0250	5.00		82.4	70-130			
Ethylbenzene	4.07	0.0250	5.00		81.4	70-130			
Toluene	4.09	0.0250	5.00		81.8	70-130			
o-Xylene	4.02	0.0250	5.00		80.4	70-130			
p,m-Xylene	8.21	0.0500	10.0		82.1	70-130			
Total Xylenes	12.2	0.0250	15.0		81.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.31*		*8.00*		*91.3*	*70-130*			
Matrix Spike (2407065-MS1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.41	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.40	0.0250	5.00	ND	108	61-133			
Toluene	5.39	0.0250	5.00	ND	108	61-130			
o-Xylene	5.32	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike Dup (2407065-MSD1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.15	0.0250	5.00	ND	103	54-133	4.94	20	
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133	4.91	20	
Toluene	5.14	0.0250	5.00	ND	103	61-130	4.88	20	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	5.14	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	4.88	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	4.96	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:53:45PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.3*	*70-130*			
LCS (2407065-BS2)									Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2407065-MS2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike Dup (2407065-MSD2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	0.355	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:53:45PM

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 (2407071-BLK1)									Prepared: 02/15/24 Analyzed: 02/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.5*		*50.0*		*97.0*	*50-200*			
LCS (2407071-BS1)									Prepared: 02/15/24 Analyzed: 02/16/24
Diesel Range Organics (C10-C28)	247	25.0	250		98.8	38-132			
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			
Matrix Spike (2407071-MS1)				**Source: E402114-03**					Prepared: 02/15/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	388	25.0	250	149	95.5	38-132			
Surrogate: n-Nonane	*47.1*		*50.0*		*94.1*	*50-200*			
Matrix Spike Dup (2407071-MSD1)				**Source: E402114-03**					Prepared: 02/15/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	394	25.0	250	149	97.9	38-132	1.49	20	
Surrogate: n-Nonane	*48.4*		*50.0*		*96.8*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:53:45PM

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 (2407080-BLK1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	ND	20.0							
LCS (2407080-BS1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2407080-MS1)				**Source: E402114-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	325	20.0	250	70.8	102	80-120			
Matrix Spike Dup (2407080-MSD1)				**Source: E402114-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	325	20.0	250	70.8	102	80-120	0.247	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 13:53

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	
Project: RDX 16 #004	
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: Gilbert Moreno	

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	
WBS/WO: 21095164	
Incident ID: nAPP2223636403	

Lab Use Only 01058-0007

Lab WO# E402128 | Job Number ~~04108-0054~~ | TAT: 1D | 2D | 3D | Standard: 5 Day TAT | EPA Program: CWA | SDWA | 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	TDS	Cation/Anion	BGDOC NM	GDOC TX	Remarks
12:00	2.13.24	S	1	BH04	1	30'								X		

Analysis and Method

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: GM

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
	2.14.24		Michelle Gonzales	21424	0956
Michelle Gonzales	2-14-24	1515	Andrew Mella	2.14.24	1900
Andrew Mella	2.14.24	2400		2/15/24	0800

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: 2/15/2024 11:56:50AM

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:	02/15/24 08:00	Work Order ID:	E402128
Phone:	(539) 573-4018	Date Logged In:	02/15/24 08:57	Logged In By:	Angelina Pineda
Email:	devon-team@ensolum.com	Due Date:	02/21/24 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 discussion.	Yes	
Sample Turn Around Time (TAT)		
6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	
Sample Cooler		
7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? 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

Comments/Resolution

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 16 #004
Work Order:	E402129
Job Number:	01058-0007
Received:	2/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/21/24

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: 2/21/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402129
Date Received: 2/15/2024 8:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/15/2024 8:00:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 13:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04 35'	E402129-01A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:52:36PM

BH04 35'

E402129-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.1 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407071
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/17/24	
Surrogate: n-Nonane		*83.4 %*	*50-200*	*02/15/24*	*02/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407080
Chloride	**47.2**	20.0	1	02/20/24	02/20/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:52:36PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
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	*7.28*		*8.00*		*91.1*	*70-130*			
LCS (2407065-BS1)									Prepared: 02/15/24 Analyzed: 02/17/24
Benzene	4.12	0.0250	5.00		82.4	70-130			
Ethylbenzene	4.07	0.0250	5.00		81.4	70-130			
Toluene	4.09	0.0250	5.00		81.8	70-130			
o-Xylene	4.02	0.0250	5.00		80.4	70-130			
p,m-Xylene	8.21	0.0500	10.0		82.1	70-130			
Total Xylenes	12.2	0.0250	15.0		81.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.31*		*8.00*		*91.3*	*70-130*			
Matrix Spike (2407065-MS1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.41	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.40	0.0250	5.00	ND	108	61-133			
Toluene	5.39	0.0250	5.00	ND	108	61-130			
o-Xylene	5.32	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike Dup (2407065-MSD1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.15	0.0250	5.00	ND	103	54-133	4.94	20	
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133	4.91	20	
Toluene	5.14	0.0250	5.00	ND	103	61-130	4.88	20	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	5.14	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	4.88	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	4.96	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:52:36PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.3*	*70-130*			
LCS (2407065-BS2)									Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2407065-MS2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike Dup (2407065-MSD2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	0.355	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:52:36PM

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 (2407071-BLK1)									Prepared: 02/15/24 Analyzed: 02/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.5*		*50.0*		*97.0*	*50-200*			
LCS (2407071-BS1)									Prepared: 02/15/24 Analyzed: 02/16/24
Diesel Range Organics (C10-C28)	247	25.0	250		98.8	38-132			
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			
Matrix Spike (2407071-MS1)				**Source: E402114-03**					Prepared: 02/15/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	388	25.0	250	149	95.5	38-132			
Surrogate: n-Nonane	*47.1*		*50.0*		*94.1*	*50-200*			
Matrix Spike Dup (2407071-MSD1)				**Source: E402114-03**					Prepared: 02/15/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	394	25.0	250	149	97.9	38-132	1.49	20	
Surrogate: n-Nonane	*48.4*		*50.0*		*96.8*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:52:36PM

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 (2407080-BLK1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	ND	20.0							
LCS (2407080-BS1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2407080-MS1)				**Source: E402114-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	325	20.0	250	70.8	102	80-120			
Matrix Spike Dup (2407080-MSD1)				**Source: E402114-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	325	20.0	250	70.8	102	80-120	0.247	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 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: 5/20/2024 11:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	**Bill To**	Lab Use Only 01038-0007	**TAT** / **EPA Program**
Project: RDX 16 #004	Attention: Jim Raley	Lab WO# E402129	Job Number AF 04108-0039
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	WBS/WO: 21095164		
Collected by: Gilbert Moreno	Incident ID: nAPP2223636403		

Analysis and Method

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	TDS	Cation/Anion	BGDOC NM	GDOC TX	Remarks
12:10	2.13.24	S	1	BH04	1	35'								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: GM

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
	2.14.24		Michella Gough	2-14-24	0956
Michella Gough	2.14.24	1515	Andrew Hobbs	2.14.24	1900
Andrew Hobbs	2.14.24	2400		2/15/24	0800

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: 2/15/2024 12:25:47PM

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:	02/15/24 08:00	Work Order ID:	E402129
Phone:	(539) 573-4018	Date Logged In:	02/15/24 09:01	Logged In By:	Angelina Pineda
Email:	devon-team@ensolum.com	Due Date:	02/21/24 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 16 #004

Work Order: E402126

Job Number: 01058-0007

Received: 2/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/21/24

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: 2/21/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402126
Date Received: 2/15/2024 8:50:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/15/2024 8:50:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 12:54

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05 0.5'	E402126-01A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH05 4'	E402126-02A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH05 10'	E402126-03A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH05 15'	E402126-04A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH05 20'	E402126-05A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.
BH05 25'	E402126-06A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

BH05 0.5'

E402126-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.8 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.1 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*94.8 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	**45.3**	40.0	2	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

BH05 4'

E402126-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.6 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.4 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*90.8 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	**132**	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

BH05 10'

E402126-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.5 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*89.3 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	ND	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

BH05 15'

E402126-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.3 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.0 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*91.0 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	ND	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

BH05 20'

E402126-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.9 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*91.3 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	ND	20.0	1	02/16/24	02/16/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

BH05 25'

E402126-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.7 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407069
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		*85.1 %*	*50-200*	*02/15/24*	*02/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407084
Chloride	**710**	20.0	1	02/16/24	02/16/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
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	*7.28*		*8.00*		*91.1*	*70-130*			
LCS (2407065-BS1)									Prepared: 02/15/24 Analyzed: 02/17/24
Benzene	4.12	0.0250	5.00		82.4	70-130			
Ethylbenzene	4.07	0.0250	5.00		81.4	70-130			
Toluene	4.09	0.0250	5.00		81.8	70-130			
o-Xylene	4.02	0.0250	5.00		80.4	70-130			
p,m-Xylene	8.21	0.0500	10.0		82.1	70-130			
Total Xylenes	12.2	0.0250	15.0		81.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.31*		*8.00*		*91.3*	*70-130*			
Matrix Spike (2407065-MS1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.41	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.40	0.0250	5.00	ND	108	61-133			
Toluene	5.39	0.0250	5.00	ND	108	61-130			
o-Xylene	5.32	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike Dup (2407065-MSD1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.15	0.0250	5.00	ND	103	54-133	4.94	20	
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133	4.91	20	
Toluene	5.14	0.0250	5.00	ND	103	61-130	4.88	20	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	5.14	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	4.88	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	4.96	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.3*	*70-130*			
LCS (2407065-BS2)									Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2407065-MS2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike Dup (2407065-MSD2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	0.355	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

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 (2407069-BLK1)									Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.3*		*50.0*		*94.5*	*50-200*			
LCS (2407069-BS1)									Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	246	25.0	250		98.5	38-132			
Surrogate: n-Nonane	*46.8*		*50.0*		*93.5*	*50-200*			
Matrix Spike (2407069-MS1)				**Source: E402124-02**					Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	*44.8*		*50.0*		*89.7*	*50-200*			
Matrix Spike Dup (2407069-MSD1)				**Source: E402124-02**					Prepared: 02/15/24 Analyzed: 02/15/24
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	1.57	20	
Surrogate: n-Nonane	*42.5*		*50.0*		*85.0*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:04PM

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 (2407084-BLK1)									Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	ND	20.0							
LCS (2407084-BS1)									Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2407084-MS1)				**Source: E402124-02**					Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	250	20.0	250	ND	100	80-120			
Matrix Spike Dup (2407084-MSD1)				**Source: E402124-02**					Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	251	20.0	250	ND	100	80-120	0.114	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 12:54

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 2/15/2024 8:56:07AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/15/24 08:50	Work Order ID:	E402126
Phone:	(539) 573-4018	Date Logged In:	02/15/24 08:49	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/21/24 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 16 #004
Work Order:	E402130
Job Number:	01058-0007
Received:	2/15/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/21/24

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: 2/21/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402130
Date Received: 2/15/2024 9:08:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/15/2024 9:08:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 15:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05 30'	E402130-01A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 3:13:03PM

BH05 30'

E402130-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407071
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/17/24	
Surrogate: n-Nonane		*96.0 %*	*50-200*	*02/15/24*	*02/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407080
Chloride	**14300**	200	10	02/20/24	02/20/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 3:13:03PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
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	*7.28*		*8.00*		*91.1*	*70-130*			
LCS (2407065-BS1)									Prepared: 02/15/24 Analyzed: 02/17/24
Benzene	4.12	0.0250	5.00		82.4	70-130			
Ethylbenzene	4.07	0.0250	5.00		81.4	70-130			
Toluene	4.09	0.0250	5.00		81.8	70-130			
o-Xylene	4.02	0.0250	5.00		80.4	70-130			
p,m-Xylene	8.21	0.0500	10.0		82.1	70-130			
Total Xylenes	12.2	0.0250	15.0		81.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.31*		*8.00*		*91.3*	*70-130*			
Matrix Spike (2407065-MS1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.41	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.40	0.0250	5.00	ND	108	61-133			
Toluene	5.39	0.0250	5.00	ND	108	61-130			
o-Xylene	5.32	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike Dup (2407065-MSD1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.15	0.0250	5.00	ND	103	54-133	4.94	20	
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133	4.91	20	
Toluene	5.14	0.0250	5.00	ND	103	61-130	4.88	20	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	5.14	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	4.88	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	4.96	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 3:13:03PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.3*	*70-130*			
LCS (2407065-BS2)									Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2407065-MS2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike Dup (2407065-MSD2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	0.355	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 3:13:03PM

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 (2407071-BLK1)									Prepared: 02/15/24 Analyzed: 02/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.5*		*50.0*		*97.0*	*50-200*			
LCS (2407071-BS1)									Prepared: 02/15/24 Analyzed: 02/16/24
Diesel Range Organics (C10-C28)	247	25.0	250		98.8	38-132			
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			
Matrix Spike (2407071-MS1)				**Source: E402114-03**					Prepared: 02/15/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	388	25.0	250	149	95.5	38-132			
Surrogate: n-Nonane	*47.1*		*50.0*		*94.1*	*50-200*			
Matrix Spike Dup (2407071-MSD1)				**Source: E402114-03**					Prepared: 02/15/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	394	25.0	250	149	97.9	38-132	1.49	20	
Surrogate: n-Nonane	*48.4*		*50.0*		*96.8*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 3:13:03PM

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 (2407080-BLK1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	ND	20.0							
LCS (2407080-BS1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2407080-MS1)				**Source: E402114-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	325	20.0	250	70.8	102	80-120			
Matrix Spike Dup (2407080-MSD1)				**Source: E402114-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	325	20.0	250	70.8	102	80-120	0.247	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 15:13

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

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

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

Released to Imaging: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

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Envirotech Analytical Laboratory

Printed: 2/15/2024 9:11:32AM

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:	02/15/24 09:08	Work Order ID:	E402130
Phone:	(539) 573-4018	Date Logged In:	02/15/24 09:08	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/21/24 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 16 #004
Work Order:	E402131
Job Number:	01058-0007
Received:	2/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/21/24

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: 2/21/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402131
Date Received: 2/15/2024 9:15:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/15/2024 9:15:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 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
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Raina Schwanz
Laboratory Administrator
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 13:49

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05 35'	E402131-01A	Soil	02/13/24	02/15/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:49:06PM

BH05 35'

E402131-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Benzene	ND	0.0250	1	02/15/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/15/24	02/17/24	
Toluene	ND	0.0250	1	02/15/24	02/17/24	
o-Xylene	ND	0.0250	1	02/15/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/15/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/15/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.1 %*	*70-130*	*02/15/24*	*02/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407071
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/17/24	
Surrogate: n-Nonane		*98.1 %*	*50-200*	*02/15/24*	*02/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407080
Chloride	**169**	20.0	1	02/20/24	02/20/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:49:06PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
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	*7.28*		*8.00*		*91.1*	*70-130*			
LCS (2407065-BS1)									Prepared: 02/15/24 Analyzed: 02/17/24
Benzene	4.12	0.0250	5.00		82.4	70-130			
Ethylbenzene	4.07	0.0250	5.00		81.4	70-130			
Toluene	4.09	0.0250	5.00		81.8	70-130			
o-Xylene	4.02	0.0250	5.00		80.4	70-130			
p,m-Xylene	8.21	0.0500	10.0		82.1	70-130			
Total Xylenes	12.2	0.0250	15.0		81.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.31*		*8.00*		*91.3*	*70-130*			
Matrix Spike (2407065-MS1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.41	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.40	0.0250	5.00	ND	108	61-133			
Toluene	5.39	0.0250	5.00	ND	108	61-130			
o-Xylene	5.32	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike Dup (2407065-MSD1)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Benzene	5.15	0.0250	5.00	ND	103	54-133	4.94	20	
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133	4.91	20	
Toluene	5.14	0.0250	5.00	ND	103	61-130	4.88	20	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	5.14	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	4.88	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	4.96	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:49:06PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407065-BLK1)									Prepared: 02/15/24 Analyzed: 02/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.3*	*70-130*			
LCS (2407065-BS2)									Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2407065-MS2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike Dup (2407065-MSD2)				**Source: E402124-07**					Prepared: 02/15/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	0.355	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:49:06PM

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 (2407071-BLK1)									Prepared: 02/15/24 Analyzed: 02/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.5*		*50.0*		*97.0*	*50-200*			
LCS (2407071-BS1)									Prepared: 02/15/24 Analyzed: 02/16/24
Diesel Range Organics (C10-C28)	247	25.0	250		98.8	38-132			
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			
Matrix Spike (2407071-MS1)				**Source: E402114-03**					Prepared: 02/15/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	388	25.0	250	149	95.5	38-132			
Surrogate: n-Nonane	*47.1*		*50.0*		*94.1*	*50-200*			
Matrix Spike Dup (2407071-MSD1)				**Source: E402114-03**					Prepared: 02/15/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	394	25.0	250	149	97.9	38-132	1.49	20	
Surrogate: n-Nonane	*48.4*		*50.0*		*96.8*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 1:49:06PM

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 (2407080-BLK1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	ND	20.0							
LCS (2407080-BS1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2407080-MS1)				**Source: E402114-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	325	20.0	250	70.8	102	80-120			
Matrix Spike Dup (2407080-MSD1)				**Source: E402114-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	325	20.0	250	70.8	102	80-120	0.247	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 13:49

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

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

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

Released to Imaging: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

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Envirotech Analytical Laboratory

Printed: 2/15/2024 9:18:19AM

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:	02/15/24 09:15	Work Order ID:	E402131
Phone:	(539) 573-4018	Date Logged In:	02/15/24 09:15	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/21/24 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 16 #004
Work Order:	E402145
Job Number:	01058-0007
Received:	2/16/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/21/24

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: 2/21/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402145
Date Received: 2/16/2024 8:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/16/2024 8:30:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 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
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 12:54

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH06 0.5'	E402145-01A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH06 4'	E402145-02A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH06 10'	E402145-03A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH06 15'	E402145-04A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH06 20'	E402145-05A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH06 25'	E402145-06A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH06 30'	E402145-07A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH06 35'	E402145-08A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

BH06 0.5'

E402145-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Benzene	ND	0.0250	1	02/16/24	02/20/24	
Ethylbenzene	**0.201**	0.0250	1	02/16/24	02/20/24	
Toluene	ND	0.0250	1	02/16/24	02/20/24	
o-Xylene	**0.0715**	0.0250	1	02/16/24	02/20/24	
p,m-Xylene	**0.431**	0.0500	1	02/16/24	02/20/24	
Total Xylenes	**0.502**	0.0250	1	02/16/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Gasoline Range Organics (C6-C10)	**29.4**	20.0	1	02/16/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.2 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	**3240**	250	10	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	**1940**	500	10	02/19/24	02/19/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**591**	20.0	1	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

BH06 4'

E402145-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Benzene	ND	0.0250	1	02/16/24	02/20/24	
Ethylbenzene	**0.0599**	0.0250	1	02/16/24	02/20/24	
Toluene	ND	0.0250	1	02/16/24	02/20/24	
o-Xylene	**0.100**	0.0250	1	02/16/24	02/20/24	
p,m-Xylene	**0.207**	0.0500	1	02/16/24	02/20/24	
Total Xylenes	**0.307**	0.0250	1	02/16/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.6 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	**145**	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	**62.8**	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**15800**	200	10	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

BH06 10'

E402145-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Benzene	ND	0.0250	1	02/16/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/20/24	
Toluene	ND	0.0250	1	02/16/24	02/20/24	
o-Xylene	ND	0.0250	1	02/16/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.4 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**16100**	400	20	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

BH06 15'

E402145-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Benzene	ND	0.0250	1	02/16/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/20/24	
Toluene	ND	0.0250	1	02/16/24	02/20/24	
o-Xylene	ND	0.0250	1	02/16/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**11500**	200	10	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

BH06 20'

E402145-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Benzene	ND	0.0250	1	02/16/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/20/24	
Toluene	ND	0.0250	1	02/16/24	02/20/24	
o-Xylene	ND	0.0250	1	02/16/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**2060**	40.0	2	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

BH06 25'

E402145-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Benzene	ND	0.0250	1	02/16/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/20/24	
Toluene	ND	0.0250	1	02/16/24	02/20/24	
o-Xylene	ND	0.0250	1	02/16/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**1650**	20.0	1	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

BH06 30'

E402145-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Benzene	ND	0.0250	1	02/16/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/20/24	
Toluene	ND	0.0250	1	02/16/24	02/20/24	
o-Xylene	ND	0.0250	1	02/16/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**175**	20.0	1	02/19/24	02/20/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

BH06 35'

E402145-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Benzene	ND	0.0250	1	02/16/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/20/24	
Toluene	ND	0.0250	1	02/16/24	02/20/24	
o-Xylene	ND	0.0250	1	02/16/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.0 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2407086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*02/16/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*143 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	ND	20.0	1	02/19/24	02/20/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407086-BLK1)									Prepared: 02/16/24 Analyzed: 02/20/24
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	*7.48*		*8.00*		*93.5*	*70-130*			
LCS (2407086-BS1)									Prepared: 02/16/24 Analyzed: 02/20/24
Benzene	5.01	0.0250	5.00		100	70-130			
Ethylbenzene	5.01	0.0250	5.00		100	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
o-Xylene	4.96	0.0250	5.00		99.3	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	*7.38*		*8.00*		*92.3*	*70-130*			
Matrix Spike (2407086-MS1)				**Source: E402145-08**					Prepared: 02/16/24 Analyzed: 02/20/24
Benzene	5.13	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.13	0.0250	5.00	ND	103	61-133			
Toluene	5.12	0.0250	5.00	ND	102	61-130			
o-Xylene	5.06	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.1*	*70-130*			
Matrix Spike Dup (2407086-MSD1)				**Source: E402145-08**					Prepared: 02/16/24 Analyzed: 02/20/24
Benzene	4.91	0.0250	5.00	ND	98.2	54-133	4.41	20	
Ethylbenzene	4.89	0.0250	5.00	ND	97.8	61-133	4.79	20	
Toluene	4.89	0.0250	5.00	ND	97.8	61-130	4.57	20	
o-Xylene	4.83	0.0250	5.00	ND	96.6	63-131	4.70	20	
p,m-Xylene	9.86	0.0500	10.0	ND	98.6	63-131	4.60	20	
Total Xylenes	14.7	0.0250	15.0	ND	97.9	63-131	4.63	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.32*		*8.00*		*91.6*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407086-BLK1)									Prepared: 02/16/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.66*		*8.00*		*95.7*	*70-130*			
LCS (2407086-BS2)									Prepared: 02/16/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	54.7	20.0	50.0		109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.70*		*8.00*		*96.2*	*70-130*			
Matrix Spike (2407086-MS2)				**Source: E402145-08**					Prepared: 02/16/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	53.4	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.68*		*8.00*		*96.0*	*70-130*			
Matrix Spike Dup (2407086-MSD2)				**Source: E402145-08**					Prepared: 02/16/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	57.0	20.0	50.0	ND	114	70-130	6.52	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

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 (2408017-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*50-200*			
LCS (2408017-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*50-200*			
Matrix Spike (2408017-MS1)				**Source: E402144-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			
Matrix Spike Dup (2408017-MSD1)				**Source: E402144-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.1	38-132	8.30	20	
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/21/2024 12:54:59PM

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 (2407092-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	ND	20.0							
LCS (2407092-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2407092-MS1)				**Source: E402144-05**					Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	3060	40.0	250	2540	210	80-120			M4
Matrix Spike Dup (2407092-MSD1)				**Source: E402144-05**					Prepared: 02/19/24 Analyzed: 02/20/24
Chloride	2640	40.0	250	2540	39.2	80-120	15.0	20	M4

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/21/24 12:54

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 2/16/2024 11:41:32AM

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:	02/16/24 08:30	Work Order ID:	E402145
Phone:	(539) 573-4018	Date Logged In:	02/16/24 08:30	Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	02/22/24 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 16 #004
Work Order:	E402143
Job Number:	01058-0007
Received:	2/16/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/22/24

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: 2/22/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402143
Date Received: 2/16/2024 8:25:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/16/2024 8:25:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/22/24 13:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH07 0.5'	E402143-01A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH07 4'	E402143-02A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH07 10'	E402143-03A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH07 15'	E402143-04A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH07 20'	E402143-05A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH07 25'	E402143-06A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH07 30'	E402143-07A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH07 35'	E402143-08A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

BH07 0.5'

E402143-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Benzene	ND	0.0250	1	02/16/24	02/21/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/21/24	
Toluene	ND	0.0250	1	02/16/24	02/21/24	
o-Xylene	ND	0.0250	1	02/16/24	02/21/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/21/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.9 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407090
Diesel Range Organics (C10-C28)	**1010**	500	20	02/16/24	02/20/24	
Oil Range Organics (C28-C36)	**1180**	1000	20	02/16/24	02/20/24	
Surrogate: n-Nonane		*91.4 %*	*50-200*	*02/16/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	**4240**	40.0	2	02/16/24	02/17/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

BH07 4'

E402143-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Benzene	ND	0.0250	1	02/16/24	02/21/24	
Ethylbenzene	**0.790**	0.0250	1	02/16/24	02/21/24	
Toluene	**0.154**	0.0250	1	02/16/24	02/21/24	
o-Xylene	**1.36**	0.0250	1	02/16/24	02/21/24	
p,m-Xylene	**2.71**	0.0500	1	02/16/24	02/21/24	
Total Xylenes	**4.07**	0.0250	1	02/16/24	02/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*112 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Gasoline Range Organics (C6-C10)	**103**	20.0	1	02/16/24	02/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407090
Diesel Range Organics (C10-C28)	**2900**	500	20	02/16/24	02/21/24	
Oil Range Organics (C28-C36)	**1280**	1000	20	02/16/24	02/21/24	
Surrogate: n-Nonane		*98.9 %*	*50-200*	*02/16/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	**10600**	200	10	02/16/24	02/17/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

BH07 10'

E402143-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Benzene	ND	0.0250	1	02/16/24	02/21/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/21/24	
Toluene	ND	0.0250	1	02/16/24	02/21/24	
o-Xylene	ND	0.0250	1	02/16/24	02/21/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/21/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/16/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/16/24	02/21/24	
Surrogate: n-Nonane		*86.7 %*	*50-200*	*02/16/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	**9170**	200	10	02/16/24	02/17/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

BH07 15'

E402143-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Benzene	**0.149**	0.0250	1	02/16/24	02/21/24	
Ethylbenzene	**1.96**	0.0250	1	02/16/24	02/21/24	
Toluene	**1.41**	0.0250	1	02/16/24	02/21/24	
o-Xylene	**2.77**	0.0250	1	02/16/24	02/21/24	
p,m-Xylene	**6.02**	0.0500	1	02/16/24	02/21/24	
Total Xylenes	**8.79**	0.0250	1	02/16/24	02/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Gasoline Range Organics (C6-C10)	**133**	20.0	1	02/16/24	02/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*112 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407090
Diesel Range Organics (C10-C28)	**4210**	250	10	02/16/24	02/21/24	
Oil Range Organics (C28-C36)	**1510**	500	10	02/16/24	02/21/24	
Surrogate: n-Nonane		*140 %*	*50-200*	*02/16/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	**12100**	200	10	02/16/24	02/17/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

BH07 20'

E402143-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Benzene	ND	0.0250	1	02/16/24	02/21/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/21/24	
Toluene	ND	0.0250	1	02/16/24	02/21/24	
o-Xylene	ND	0.0250	1	02/16/24	02/21/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/21/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/16/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/16/24	02/21/24	
Surrogate: n-Nonane		*99.2 %*	*50-200*	*02/16/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	**4320**	40.0	2	02/16/24	02/17/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

BH07 25'

E402143-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Benzene	ND	0.0250	1	02/16/24	02/21/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/21/24	
Toluene	ND	0.0250	1	02/16/24	02/21/24	
o-Xylene	ND	0.0250	1	02/16/24	02/21/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/21/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.9 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.9 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/16/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/16/24	02/21/24	
Surrogate: n-Nonane		*83.3 %*	*50-200*	*02/16/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	**9320**	200	10	02/16/24	02/17/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

BH07 30'

E402143-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Benzene	ND	0.0250	1	02/16/24	02/21/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/21/24	
Toluene	ND	0.0250	1	02/16/24	02/21/24	
o-Xylene	ND	0.0250	1	02/16/24	02/21/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/21/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.3 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.4 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/16/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/16/24	02/21/24	
Surrogate: n-Nonane		*96.7 %*	*50-200*	*02/16/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	**825**	20.0	1	02/16/24	02/17/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

BH07 35'

E402143-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Benzene	ND	0.0250	1	02/16/24	02/21/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/21/24	
Toluene	ND	0.0250	1	02/16/24	02/21/24	
o-Xylene	ND	0.0250	1	02/16/24	02/21/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/21/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2407076
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/16/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/16/24	02/21/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*02/16/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2407091
Chloride	ND	20.0	1	02/16/24	02/17/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

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 (2407076-BLK1)									Prepared: 02/16/24 Analyzed: 02/20/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.7*	*70-130*			
LCS (2407076-BS1)									Prepared: 02/16/24 Analyzed: 02/20/24
Benzene	5.00	0.0250	5.00		100	70-130			
Ethylbenzene	4.86	0.0250	5.00		97.2	70-130			
Toluene	4.99	0.0250	5.00		99.9	70-130			
o-Xylene	4.94	0.0250	5.00		98.8	70-130			
p,m-Xylene	9.93	0.0500	10.0		99.3	70-130			
Total Xylenes	14.9	0.0250	15.0		99.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike (2407076-MS1)				**Source: E402141-08**					Prepared: 02/16/24 Analyzed: 02/21/24
Benzene	4.53	0.0250	5.00	ND	90.6	54-133			
Ethylbenzene	4.39	0.0250	5.00	ND	87.9	61-133			
Toluene	4.52	0.0250	5.00	ND	90.5	61-130			
o-Xylene	4.45	0.0250	5.00	ND	89.0	63-131			
p,m-Xylene	8.99	0.0500	10.0	ND	89.9	63-131			
Total Xylenes	13.4	0.0250	15.0	ND	89.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.10*		*8.00*		*101*	*70-130*			
Matrix Spike Dup (2407076-MSD1)				**Source: E402141-08**					Prepared: 02/16/24 Analyzed: 02/21/24
Benzene	4.96	0.0250	5.00	ND	99.1	54-133	8.99	20	
Ethylbenzene	4.83	0.0250	5.00	ND	96.6	61-133	9.45	20	
Toluene	4.96	0.0250	5.00	ND	99.3	61-130	9.25	20	
o-Xylene	4.91	0.0250	5.00	ND	98.1	63-131	9.72	20	
p,m-Xylene	9.88	0.0500	10.0	ND	98.8	63-131	9.43	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.6	63-131	9.53	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.09*		*8.00*		*101*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

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 (2407076-BLK1)									Prepared: 02/16/24 Analyzed: 02/20/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.30*		*8.00*		*91.2*	*70-130*			
LCS (2407076-BS2)									Prepared: 02/16/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		*8.00*		*93.4*	*70-130*			
Matrix Spike (2407076-MS2)				**Source: E402141-08**					Prepared: 02/16/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.22*		*8.00*		*90.2*	*70-130*			
Matrix Spike Dup (2407076-MSD2)				**Source: E402141-08**					Prepared: 02/16/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130	1.72	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.30*		*8.00*		*91.2*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

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 (2407090-BLK1)									Prepared: 02/16/24 Analyzed: 02/20/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.2*		*50.0*		*110*	*50-200*			
LCS (2407090-BS1)									Prepared: 02/16/24 Analyzed: 02/20/24
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
Surrogate: n-Nonane	*50.9*		*50.0*		*102*	*50-200*			
Matrix Spike (2407090-MS1)				**Source: E402117-24**					Prepared: 02/16/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	302	25.0	250	ND	121	38-132			
Surrogate: n-Nonane	*51.2*		*50.0*		*102*	*50-200*			
Matrix Spike Dup (2407090-MSD1)				**Source: E402117-24**					Prepared: 02/16/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	296	25.0	250	ND	118	38-132	1.88	20	
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 1:39:18PM

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 (2407091-BLK1)									Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	ND	20.0							
LCS (2407091-BS1)									Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	261	20.0	250		104	90-110			
Matrix Spike (2407091-MS1)				**Source: E402121-02**					Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	1180	40.0	250	935	99.8	80-120			
Matrix Spike Dup (2407091-MSD1)				**Source: E402121-02**					Prepared: 02/16/24 Analyzed: 02/16/24
Chloride	1170	40.0	250	935	93.8	80-120	1.29	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/22/24 13:39

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 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 16 #004	Attention: Jim Raley	Lab WO# E 402143	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	WBS/WO: 21095164		
Collected by: Gilbert Moreno	Incident ID: nAPP2223636403		

Analysis and Method: Depth(ft.) | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | TDS | Cation/Anion | BGDOC NM | GDOC TX

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

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	BGDOC NM	GDOC TX	Remarks
11:30	2.14.24	S	1	BH07	1	0.5'	X		
11:40	2.14.24	S	1	BH07	2	4'	X		
11:50	2.14.24	S	1	BH07	3	10'	X		
12:00	2.14.24	S	1	BH07	4	15'	X		
12:10	2.14.24	S	1	BH07	5	20'	X		
12:20	2.14.24	S	1	BH07	6	25'	X		
12:30	2.14.24	S	1	BH07	7	30	X		
12:40	2.14.24	S	1	BH07	8	35'	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: GM

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
	2.15.24		Michelle Cruz	2.15.24	1007
Michelle Cruz	2.15.24	1630	Andrew Muñoz	2.15.24	1800
Andrew Muñoz	2.15.24	2400		2/16/24	8:25

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: 2/16/2024 11:37:07AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/16/24 08:25	Work Order ID:	E402143
Phone:	(539) 573-4018	Date Logged In:	02/16/24 08:24	Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	02/22/24 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 16 #004
Work Order:	E402144
Job Number:	01058-0007
Received:	2/16/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/22/24

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: 2/22/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402144
Date Received: 2/16/2024 8:27:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/16/2024 8:27:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/22/24 17:04

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH08 0.5'	E402144-01A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH08 4'	E402144-02A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH08 10'	E402144-03A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH08 15'	E402144-04A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH08 20'	E402144-05A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH08 25'	E402144-06A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH08 30'	E402144-07A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.
BH08 35'	E402144-08A	Soil	02/14/24	02/16/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

BH08 0.5'

E402144-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Benzene	ND	0.0250	1	02/16/24	02/21/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/21/24	
Toluene	ND	0.0250	1	02/16/24	02/21/24	
o-Xylene	ND	0.0250	1	02/16/24	02/21/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/21/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/21/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*02/16/24*	*02/21/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*02/16/24*	*02/21/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/21/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*02/16/24*	*02/21/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*02/16/24*	*02/21/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**69.0**	20.0	1	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

BH08 4'

E402144-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Benzene	ND	0.0250	1	02/16/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/22/24	
Toluene	ND	0.0250	1	02/16/24	02/22/24	
o-Xylene	ND	0.0250	1	02/16/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**3060**	20.0	1	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

BH08 10'

E402144-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Benzene	ND	0.0250	1	02/16/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/22/24	
Toluene	ND	0.0250	1	02/16/24	02/22/24	
o-Xylene	ND	0.0250	1	02/16/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**9980**	200	10	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

BH08 15'

E402144-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Benzene	ND	0.0250	1	02/16/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/22/24	
Toluene	ND	0.0250	1	02/16/24	02/22/24	
o-Xylene	ND	0.0250	1	02/16/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.5 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.5 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**1900**	40.0	2	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

BH08 20'

E402144-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Benzene	ND	0.0250	1	02/16/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/22/24	
Toluene	ND	0.0250	1	02/16/24	02/22/24	
o-Xylene	ND	0.0250	1	02/16/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.8 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.8 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**2540**	40.0	2	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

BH08 25'

E402144-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Benzene	ND	0.0250	1	02/16/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/22/24	
Toluene	ND	0.0250	1	02/16/24	02/22/24	
o-Xylene	ND	0.0250	1	02/16/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.1 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.1 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	**377**	20.0	1	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

BH08 30'

E402144-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Benzene	ND	0.0250	1	02/16/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/22/24	
Toluene	ND	0.0250	1	02/16/24	02/22/24	
o-Xylene	ND	0.0250	1	02/16/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.8 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.8 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

BH08 35'

E402144-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Benzene	ND	0.0250	1	02/16/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/22/24	
Toluene	ND	0.0250	1	02/16/24	02/22/24	
o-Xylene	ND	0.0250	1	02/16/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2407077
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/22/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*02/16/24*	*02/22/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/16/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2407092
Chloride	ND	20.0	1	02/19/24	02/19/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

Volatile Organic Compounds by EPA 8260B

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 (2407077-BLK1)									Prepared: 02/16/24 Analyzed: 02/21/24
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	*0.558*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.468*		*0.500*		*93.6*	*70-130*			
Surrogate: Toluene-d8	*0.545*		*0.500*		*109*	*70-130*			
LCS (2407077-BS1)									Prepared: 02/16/24 Analyzed: 02/21/24
Benzene	2.64	0.0250	2.50		105	70-130			
Ethylbenzene	2.68	0.0250	2.50		107	70-130			
Toluene	2.57	0.0250	2.50		103	70-130			
o-Xylene	2.61	0.0250	2.50		105	70-130			
p,m-Xylene	5.21	0.0500	5.00		104	70-130			
Total Xylenes	7.82	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	*0.552*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.478*		*0.500*		*95.6*	*70-130*			
Surrogate: Toluene-d8	*0.535*		*0.500*		*107*	*70-130*			
Matrix Spike (2407077-MS1)				**Source: E402144-01**					Prepared: 02/16/24 Analyzed: 02/21/24
Benzene	2.56	0.0250	2.50	ND	102	48-131			
Ethylbenzene	2.66	0.0250	2.50	ND	107	45-135			
Toluene	2.58	0.0250	2.50	ND	103	48-130			
o-Xylene	2.63	0.0250	2.50	ND	105	43-135			
p,m-Xylene	5.21	0.0500	5.00	ND	104	43-135			
Total Xylenes	7.84	0.0250	7.50	ND	105	43-135			
Surrogate: Bromofluorobenzene	*0.566*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.6*	*70-130*			
Surrogate: Toluene-d8	*0.534*		*0.500*		*107*	*70-130*			
Matrix Spike Dup (2407077-MSD1)				**Source: E402144-01**					Prepared: 02/16/24 Analyzed: 02/21/24
Benzene	2.57	0.0250	2.50	ND	103	48-131	0.234	23	
Ethylbenzene	2.65	0.0250	2.50	ND	106	45-135	0.376	27	
Toluene	2.55	0.0250	2.50	ND	102	48-130	1.17	24	
o-Xylene	2.67	0.0250	2.50	ND	107	43-135	1.60	27	
p,m-Xylene	5.23	0.0500	5.00	ND	105	43-135	0.402	27	
Total Xylenes	7.90	0.0250	7.50	ND	105	43-135	0.807	27	
Surrogate: Bromofluorobenzene	*0.584*		*0.500*		*117*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.6*	*70-130*			
Surrogate: Toluene-d8	*0.542*		*0.500*		*108*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2407077-BLK1)									Prepared: 02/16/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.558*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.468*		*0.500*		*93.6*	*70-130*			
Surrogate: Toluene-d8	*0.545*		*0.500*		*109*	*70-130*			
LCS (2407077-BS2)									Prepared: 02/16/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	55.0	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	*0.566*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.459*		*0.500*		*91.8*	*70-130*			
Surrogate: Toluene-d8	*0.541*		*0.500*		*108*	*70-130*			
Matrix Spike (2407077-MS2)				**Source: E402144-01**					Prepared: 02/16/24 Analyzed: 02/22/24
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	*0.557*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.462*		*0.500*		*92.3*	*70-130*			
Surrogate: Toluene-d8	*0.547*		*0.500*		*109*	*70-130*			
Matrix Spike Dup (2407077-MSD2)				**Source: E402144-01**					Prepared: 02/16/24 Analyzed: 02/22/24
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	ND	109	70-130	0.224	20	
Surrogate: Bromofluorobenzene	*0.575*		*0.500*		*115*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.461*		*0.500*		*92.1*	*70-130*			
Surrogate: Toluene-d8	*0.540*		*0.500*		*108*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

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 (2408017-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*50-200*			
LCS (2408017-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*50-200*			
Matrix Spike (2408017-MS1)				**Source: E402144-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			
Matrix Spike Dup (2408017-MSD1)				**Source: E402144-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.1	38-132	8.30	20	
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 5:04:00PM

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 (2407092-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	ND	20.0							
LCS (2407092-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2407092-MS1)				**Source: E402144-05**					Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	3060	40.0	250	2540	210	80-120			M4
Matrix Spike Dup (2407092-MSD1)				**Source: E402144-05**					Prepared: 02/19/24 Analyzed: 02/20/24
Chloride	2640	40.0	250	2540	39.2	80-120	15.0	20	M4

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/22/24 17:04

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 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 16 #004	Attention: Jim Raley	Lab WO# E402144	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	WBS/WO: 21095164		
Collected by: Gilbert Moreno	Incident ID: nAPP2223636403		

Analysis and Method: Depth(ft.); TPH GRO/DRO/ORO by 8015; BTEX by 8021; VOC by 8260; Metals 6010; Chloride 300.0; TDS; Cation/Anion; BGDOC NM; GDOC TX

State: NM x; CO; UT; AZ; TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	BGDOC NM	GDOC TX	Remarks
14:30	2.14.24	S	1	BH08	1	0.5'	X		
14:45	2.14.24	S	1	BH08	2	4'	X		
14:55	2.14.24	S	1	BH08	3	10'	X		
15:00	2.14.24	S	1	BH08	4	15'	X		
15:10	2.14.24	S	1	BH08	5	20'	X		
15:20	2.14.24	S	1	BH08	6	25'	X		
15:30	2.14.24	S	1	BH08	7	30	X		
15:40	2.14.24	S	1	BH08	8	35'	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: GM

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
	2.15.24		Michelle Gaytan	2-15-24	1007
Michelle Gaytan	2-15-24	1630	Andrew Hobbs	2.15.24	1800
Andrew Hobbs	2.15.24	2400		2/16/24	8:27

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: 2/16/2024 11:24:14AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/16/24 08:27	Work Order ID:	E402144
Phone:	(539) 573-4018	Date Logged In:	02/16/24 08:27	Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	02/22/24 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	

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

Comments/Resolution

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 16 #004
Work Order:	E402162
Job Number:	01058-0007
Received:	2/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/26/24

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: 2/26/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402162
Date Received: 2/19/2024 7:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/19/2024 7:30:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/26/24 13:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH09 0.5'	E402162-01A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH09 4'	E402162-02A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH09 10'	E402162-03A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH09 15'	E402162-04A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH09 20'	E402162-05A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH09 25'	E402162-06A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH09 30'	E402162-07A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH09 35'	E402162-08A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

BH09 0.5'

E402162-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.1 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/21/24	
Surrogate: n-Nonane		*95.4 %*	*50-200*	*02/20/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	**155**	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

BH09 4'

E402162-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.2 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/21/24	
Surrogate: n-Nonane		*99.4 %*	*50-200*	*02/20/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	**4670**	40.0	2	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

BH09 10'

E402162-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.6 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/22/24	
Surrogate: n-Nonane		*98.7 %*	*50-200*	*02/20/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	**40.7**	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

BH09 15'

E402162-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.8 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/22/24	
Surrogate: n-Nonane		*98.8 %*	*50-200*	*02/20/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

BH09 20'

E402162-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.6 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/22/24	
Surrogate: n-Nonane		*91.8 %*	*50-200*	*02/20/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

BH09 25'

E402162-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.1 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/22/24	
Surrogate: n-Nonane		*99.5 %*	*50-200*	*02/20/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

BH09 30'

E402162-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.3 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/22/24	
Surrogate: n-Nonane		*98.1 %*	*50-200*	*02/20/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

BH09 35'

E402162-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Benzene	ND	0.0250	1	02/19/24	02/24/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/24/24	
Toluene	ND	0.0250	1	02/19/24	02/24/24	
o-Xylene	ND	0.0250	1	02/19/24	02/24/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/24/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.3 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*02/19/24*	*02/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/22/24	
Surrogate: n-Nonane		*97.2 %*	*50-200*	*02/20/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

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 (2408011-BLK1)									Prepared: 02/19/24 Analyzed: 02/23/24
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	*7.59*		*8.00*		*94.9*	*70-130*			
LCS (2408011-BS1)									Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	4.94	0.0250	5.00		98.8	70-130			
Ethylbenzene	4.83	0.0250	5.00		96.6	70-130			
Toluene	4.96	0.0250	5.00		99.2	70-130			
o-Xylene	4.90	0.0250	5.00		97.9	70-130			
p,m-Xylene	9.87	0.0500	10.0		98.7	70-130			
Total Xylenes	14.8	0.0250	15.0		98.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.61*		*8.00*		*95.2*	*70-130*			
Matrix Spike (2408011-MS1)				**Source: E402162-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	4.99	0.0250	5.00	ND	99.8	54-133			
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	4.94	0.0250	5.00	ND	98.9	63-131			
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.54*		*8.00*		*94.2*	*70-130*			
Matrix Spike Dup (2408011-MSD1)				**Source: E402162-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	5.01	0.0250	5.00	ND	100	54-133	0.459	20	
Ethylbenzene	4.90	0.0250	5.00	ND	98.1	61-133	0.458	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	0.373	20	
o-Xylene	4.96	0.0250	5.00	ND	99.3	63-131	0.411	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	0.425	20	
Total Xylenes	15.0	0.0250	15.0	ND	99.8	63-131	0.420	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.50*		*8.00*		*93.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

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 (2408011-BLK1)									Prepared: 02/19/24 Analyzed: 02/23/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.3*	*70-130*			
LCS (2408011-BS2)									Prepared: 02/19/24 Analyzed: 02/26/24
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		*8.00*		*93.5*	*70-130*			
Matrix Spike (2408011-MS2)				**Source: E402162-01**					Prepared: 02/19/24 Analyzed: 02/23/24
Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.56*		*8.00*		*94.5*	*70-130*			
Matrix Spike Dup (2408011-MSD2)				**Source: E402162-01**					Prepared: 02/19/24 Analyzed: 02/23/24
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.1	70-130	3.61	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		*8.00*		*94.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

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 (2408038-BLK1)									Prepared: 02/20/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.5*		*50.0*		*105*	*50-200*			
LCS (2408038-BS1)									Prepared: 02/20/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	275	25.0	250		110	38-132			
Surrogate: n-Nonane	*46.9*		*50.0*		*93.9*	*50-200*			
Matrix Spike (2408038-MS1)				**Source: E402146-04**					Prepared: 02/20/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	334	25.0	250	50.9	113	38-132			
Surrogate: n-Nonane	*53.8*		*50.0*		*108*	*50-200*			
Matrix Spike Dup (2408038-MSD1)				**Source: E402146-04**					Prepared: 02/20/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	321	25.0	250	50.9	108	38-132	3.91	20	
Surrogate: n-Nonane	*49.8*		*50.0*		*99.6*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/26/2024 1:18:17PM

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 (2408043-BLK1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	ND	20.0							
LCS (2408043-BS1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2408043-MS1)				**Source: E402161-03**					Prepared: 02/20/24 Analyzed: 02/21/24
Chloride	250	20.0	250	ND	99.9	80-120			
Matrix Spike Dup (2408043-MSD1)				**Source: E402161-03**					Prepared: 02/20/24 Analyzed: 02/21/24
Chloride	250	20.0	250	ND	99.8	80-120	0.123	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/26/24 13:18

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 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 16 #004	Attention: Jim Raley	Lab WO# E402162	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 Day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		CWA SDWA RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21095164		
Collected by: Gilbert Moreno	Incident ID: nAPP2223636403		

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	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
9:00	2.15.24	S	1	BH09	1	0.5'								X				
9:10	2.15.24	S	1	BH09	2	4'								X				
9:20	2.15.24	S	1	BH09	3	10'								X				
9:30	2.15.24	S	1	BH09	4	15'								X				
9:40	2.15.24	S	1	BH09	5	20'								X				
9:50	2.15.24	S	1	BH09	6	25'								X				
10:00	2.15.24	S	1	BH09	7	30								X				
10:10	2.15.24	S	1	BH09	8	35'								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: GM

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
	2.16.24		Michelle Cruz	2.16.24	1100
Michelle Cruz	2.16.24	1630		2/19/24	0730

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

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Envirotech Analytical Laboratory

Printed: 2/19/2024 10:16:47AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/19/24 07:30	Work Order ID:	E402162
Phone:	(539) 573-4018	Date Logged In:	02/19/24 09:08	Logged In By:	Angelina Pineda
Email:	devon-team@etechenv.com	Due Date:	02/23/24 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	
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

Comments/Resolution

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 16 #004

Work Order: E402163

Job Number: 01058-0007

Received: 2/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/22/24

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: 2/22/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402163
Date Received: 2/19/2024 7:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/19/2024 7:30:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/22/24 16:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH10 0.5'	E402163-01A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH10 4'	E402163-02A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH10 10'	E402163-03A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:09:46PM

BH10 0.5'

E402163-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.4 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408033
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/20/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*02/20/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	ND	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:09:46PM

BH10 4'

E402163-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408033
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/20/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*02/20/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	**35.5**	20.0	1	02/20/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:09:46PM

BH10 10'

E402163-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.2 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408033
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/24	02/20/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*02/20/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408043
Chloride	**50.1**	20.0	1	02/20/24	02/21/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:09:46PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408010-BLK1)									Prepared: 02/19/24 Analyzed: 02/21/24
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	*7.44*		*8.00*		*93.0*	*70-130*			
LCS (2408010-BS1)									Prepared: 02/19/24 Analyzed: 02/21/24
Benzene	4.86	0.0250	5.00		97.3	70-130			
Ethylbenzene	4.94	0.0250	5.00		98.7	70-130			
Toluene	4.91	0.0250	5.00		98.3	70-130			
o-Xylene	4.90	0.0250	5.00		98.0	70-130			
p,m-Xylene	9.96	0.0500	10.0		99.6	70-130			
Total Xylenes	14.9	0.0250	15.0		99.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.50*		*8.00*		*93.8*	*70-130*			
Matrix Spike (2408010-MS1)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	5.21	0.0250	5.00	ND	104	54-133			
Ethylbenzene	5.26	0.0250	5.00	ND	105	61-133			
Toluene	5.25	0.0250	5.00	ND	105	61-130			
o-Xylene	5.22	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
Total Xylenes	15.8	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.43*		*8.00*		*92.8*	*70-130*			
Matrix Spike Dup (2408010-MSD1)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	4.92	0.0250	5.00	ND	98.4	54-133	5.66	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.9	61-133	5.19	20	
Toluene	4.97	0.0250	5.00	ND	99.3	61-130	5.56	20	
o-Xylene	4.93	0.0250	5.00	ND	98.6	63-131	5.76	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	5.23	20	
Total Xylenes	15.0	0.0250	15.0	ND	99.7	63-131	5.40	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.35*		*8.00*		*91.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:09:46PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408010-BLK1)									Prepared: 02/19/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.9*	*70-130*			
LCS (2408010-BS2)									Prepared: 02/19/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	57.7	20.0	50.0		115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike (2408010-MS2)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.8*	*70-130*			
Matrix Spike Dup (2408010-MSD2)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Gasoline Range Organics (C6-C10)	53.8	20.0	50.0	ND	108	70-130	7.65	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.3*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:09:46PM

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 (2408033-BLK1)									Prepared: 02/20/24 Analyzed: 02/20/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.0*		*50.0*		*112*	*50-200*			
LCS (2408033-BS1)									Prepared: 02/20/24 Analyzed: 02/20/24
Diesel Range Organics (C10-C28)	282	25.0	250		113	38-132			
Surrogate: n-Nonane	*60.4*		*50.0*		*121*	*50-200*			
Matrix Spike (2408033-MS1)				**Source: E402165-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Diesel Range Organics (C10-C28)	303	25.0	250	ND	121	38-132			
Surrogate: n-Nonane	*61.6*		*50.0*		*123*	*50-200*			
Matrix Spike Dup (2408033-MSD1)				**Source: E402165-02**					Prepared: 02/20/24 Analyzed: 02/20/24
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	38-132	6.21	20	
Surrogate: n-Nonane	*57.8*		*50.0*		*116*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:09:46PM

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 (2408043-BLK1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	ND	20.0							
LCS (2408043-BS1)									Prepared: 02/20/24 Analyzed: 02/20/24
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2408043-MS1)				**Source: E402161-03**					Prepared: 02/20/24 Analyzed: 02/21/24
Chloride	250	20.0	250	ND	99.9	80-120			
Matrix Spike Dup (2408043-MSD1)				**Source: E402161-03**					Prepared: 02/20/24 Analyzed: 02/21/24
Chloride	250	20.0	250	ND	99.8	80-120	0.123	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/22/24 16:09

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 PM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	
Project: RDX 16 #004	
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: Gilbert Moreno	

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	
WBS/WO: 21095164	
Incident ID: nAPP2223636403	

Lab Use Only: Lab WO# E402163 | 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 | TDS | Cation/Anion | BGDOC NM | | GDOC TX | |

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	BGDOC NM	GDOC TX	Remarks
11:00	2.15.24	S	1	BH10	1	0.5'	X		
11:10	2.15.24	S	1	BH10	2	4'	X		
11:20	2.15.24	S	1	BH10	3	10'	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: GM

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
	2.16.24			2.16.24	1100
	2.16.24	1630		2/19/24	0730

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: 2/19/2024 10:20:36AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/19/24 07:30	Work Order ID:	E402163
Phone:	(539) 573-4018	Date Logged In:	02/19/24 09:15	Logged In By:	Angelina Pineda
Email:	devon-team@etechenv.com	Due Date:	02/23/24 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 16 #004
Work Order:	E402158
Job Number:	01058-0007
Received:	2/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/22/24

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: 2/22/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402158
Date Received: 2/19/2024 7:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/19/2024 7:30:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/22/24 16:12

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH11 0.5'	E402158-01A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH11 4'	E402158-02A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH11 10'	E402158-03A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:12:18PM

BH11 0.5'

E402158-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.1 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408023
Chloride	**22.8**	20.0	1	02/19/24	02/20/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:12:18PM

BH11 4'

E402158-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408023
Chloride	**29.4**	20.0	1	02/19/24	02/20/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:12:18PM

BH11 10'

E402158-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.3 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/20/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/19/24*	*02/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408023
Chloride	ND	20.0	1	02/19/24	02/20/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:12:18PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408010-BLK1)									Prepared: 02/19/24 Analyzed: 02/21/24
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	*7.44*		*8.00*		*93.0*	*70-130*			
LCS (2408010-BS1)									Prepared: 02/19/24 Analyzed: 02/21/24
Benzene	4.86	0.0250	5.00		97.3	70-130			
Ethylbenzene	4.94	0.0250	5.00		98.7	70-130			
Toluene	4.91	0.0250	5.00		98.3	70-130			
o-Xylene	4.90	0.0250	5.00		98.0	70-130			
p,m-Xylene	9.96	0.0500	10.0		99.6	70-130			
Total Xylenes	14.9	0.0250	15.0		99.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.50*		*8.00*		*93.8*	*70-130*			
Matrix Spike (2408010-MS1)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	5.21	0.0250	5.00	ND	104	54-133			
Ethylbenzene	5.26	0.0250	5.00	ND	105	61-133			
Toluene	5.25	0.0250	5.00	ND	105	61-130			
o-Xylene	5.22	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
Total Xylenes	15.8	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.43*		*8.00*		*92.8*	*70-130*			
Matrix Spike Dup (2408010-MSD1)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	4.92	0.0250	5.00	ND	98.4	54-133	5.66	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.9	61-133	5.19	20	
Toluene	4.97	0.0250	5.00	ND	99.3	61-130	5.56	20	
o-Xylene	4.93	0.0250	5.00	ND	98.6	63-131	5.76	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	5.23	20	
Total Xylenes	15.0	0.0250	15.0	ND	99.7	63-131	5.40	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.35*		*8.00*		*91.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:12:18PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408010-BLK1)									Prepared: 02/19/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.9*	*70-130*			
LCS (2408010-BS2)									Prepared: 02/19/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	57.7	20.0	50.0		115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike (2408010-MS2)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.8*	*70-130*			
Matrix Spike Dup (2408010-MSD2)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Gasoline Range Organics (C6-C10)	53.8	20.0	50.0	ND	108	70-130	7.65	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.3*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:12:18PM

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 (2408017-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*50-200*			
LCS (2408017-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*50-200*			
Matrix Spike (2408017-MS1)				**Source: E402144-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			
Matrix Spike Dup (2408017-MSD1)				**Source: E402144-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.1	38-132	8.30	20	
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/22/2024 4:12:18PM

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 (2408023-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	ND	20.0							
LCS (2408023-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2408023-MS1)				**Source: E402141-03**					Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2408023-MSD1)				**Source: E402141-03**					Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	253	20.0	250	ND	101	80-120	0.529	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/22/24 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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 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 16 #004	Attention: Jim Raley	Lab WO# E402158	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 Day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		CWA SDWA RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21095164		
Collected by: Gilbert Moreno	Incident ID: nAPP2223636403		

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	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
12:00	2.15.24	S	1	BH11	1	0.5'								X				
12:10	2.15.24	S	1	BH11	2	4'								X				
12:20	2.15.24	S	1	BH11	3	10'								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: GM

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
	2.16.24		Michelle Cuff	2-16-24	1100
Michelle Cuff	2.16.24	1630		2/19/24	0730

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: 2/19/2024 9:30:37AM

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:	02/19/24 07:30	Work Order ID:	E402158
Phone:	(539) 573-4018	Date Logged In:	02/19/24 07:47	Logged In By:	Angelina Pineda
Email:	devon-team@etechenv.com	Due Date:	02/23/24 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 16 #004
Work Order:	E402159
Job Number:	01058-0007
Received:	2/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/23/24

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: 2/23/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #004
Workorder: E402159
Date Received: 2/19/2024 7:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/19/2024 7:30:00AM, under the Project Name: RDX 16 #004.

The analytical test results summarized in this report with the Project Name: RDX 16 #004 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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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/23/24 11:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH12 0.5'	E402159-01A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH12 4'	E402159-02A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH12 10'	E402159-03A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH12 15'	E402159-04A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH12 20'	E402159-05A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH12 25'	E402159-06A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH12 30'	E402159-07A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.
BH12 35'	E402159-08A	Soil	02/15/24	02/19/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

BH12 0.5'

E402159-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Benzene	ND	0.0250	1	02/19/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/20/24	
Toluene	ND	0.0250	1	02/19/24	02/20/24	
o-Xylene	ND	0.0250	1	02/19/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/21/24	
Surrogate: n-Nonane		*90.7 %*	*50-200*	*02/19/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	**64.2**	20.0	1	02/19/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

BH12 4'

E402159-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Benzene	ND	0.0250	1	02/19/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/20/24	
Toluene	ND	0.0250	1	02/19/24	02/20/24	
o-Xylene	ND	0.0250	1	02/19/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/21/24	
Surrogate: n-Nonane		*85.9 %*	*50-200*	*02/19/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	ND	20.0	1	02/19/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

BH12 10'

E402159-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Benzene	ND	0.0250	1	02/19/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/20/24	
Toluene	ND	0.0250	1	02/19/24	02/20/24	
o-Xylene	ND	0.0250	1	02/19/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/21/24	
Surrogate: n-Nonane		*82.2 %*	*50-200*	*02/19/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	ND	20.0	1	02/19/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

BH12 15'

E402159-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Benzene	ND	0.0250	1	02/19/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/20/24	
Toluene	ND	0.0250	1	02/19/24	02/20/24	
o-Xylene	ND	0.0250	1	02/19/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/22/24	
Surrogate: n-Nonane		*92.1 %*	*50-200*	*02/19/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	ND	20.0	1	02/19/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

BH12 20'

E402159-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Benzene	ND	0.0250	1	02/19/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/20/24	
Toluene	ND	0.0250	1	02/19/24	02/20/24	
o-Xylene	ND	0.0250	1	02/19/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/21/24	
Surrogate: n-Nonane		*85.8 %*	*50-200*	*02/19/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	**425**	20.0	1	02/19/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

BH12 25'

E402159-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Benzene	ND	0.0250	1	02/19/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/20/24	
Toluene	ND	0.0250	1	02/19/24	02/20/24	
o-Xylene	ND	0.0250	1	02/19/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/21/24	
Surrogate: n-Nonane		*89.7 %*	*50-200*	*02/19/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	**13400**	200	10	02/19/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

BH12 30'

E402159-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Benzene	ND	0.0250	1	02/19/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/20/24	
Toluene	ND	0.0250	1	02/19/24	02/20/24	
o-Xylene	ND	0.0250	1	02/19/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/21/24	
Surrogate: n-Nonane		*69.1 %*	*50-200*	*02/19/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	**377**	20.0	1	02/19/24	02/21/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

BH12 35'

E402159-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Benzene	ND	0.0250	1	02/19/24	02/20/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/20/24	
Toluene	ND	0.0250	1	02/19/24	02/20/24	
o-Xylene	ND	0.0250	1	02/19/24	02/20/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/20/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2408006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*02/19/24*	*02/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/21/24	
Surrogate: n-Nonane		*81.5 %*	*50-200*	*02/19/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	ND	20.0	1	02/19/24	02/21/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408006-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
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	*7.53*		*8.00*		*94.1*	*70-130*			
LCS (2408006-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Benzene	5.13	0.0250	5.00		103	70-130			
Ethylbenzene	5.11	0.0250	5.00		102	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	5.07	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.6*	*70-130*			
Matrix Spike (2408006-MS1)				**Source: E402154-25**					Prepared: 02/19/24 Analyzed: 02/19/24
Benzene	4.87	0.0250	5.00	ND	97.3	54-133			
Ethylbenzene	4.84	0.0250	5.00	ND	96.9	61-133			
Toluene	4.85	0.0250	5.00	ND	97.0	61-130			
o-Xylene	4.79	0.0250	5.00	ND	95.9	63-131			
p,m-Xylene	9.79	0.0500	10.0	ND	97.9	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.68*		*8.00*		*96.0*	*70-130*			
Matrix Spike Dup (2408006-MSD1)				**Source: E402154-25**					Prepared: 02/19/24 Analyzed: 02/19/24
Benzene	4.77	0.0250	5.00	ND	95.4	54-133	1.94	20	
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	61-133	0.909	20	
Toluene	4.78	0.0250	5.00	ND	95.7	61-130	1.41	20	
o-Xylene	4.75	0.0250	5.00	ND	94.9	63-131	0.981	20	
p,m-Xylene	9.69	0.0500	10.0	ND	96.9	63-131	0.993	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.2	63-131	0.989	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*94.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408006-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.9*	*70-130*			
LCS (2408006-BS2)									Prepared: 02/19/24 Analyzed: 02/19/24
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0		89.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.60*		*8.00*		*95.0*	*70-130*			
Matrix Spike (2408006-MS2)				**Source: E402154-25**					Prepared: 02/19/24 Analyzed: 02/19/24
Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike Dup (2408006-MSD2)				**Source: E402154-25**					Prepared: 02/19/24 Analyzed: 02/19/24
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	ND	85.6	70-130	3.71	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.6*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

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 (2408019-BLK1)									Prepared: 02/19/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*42.5*		*50.0*		*85.0*	*50-200*			
LCS (2408019-BS1)									Prepared: 02/19/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	226	25.0	250		90.3	38-132			
Surrogate: n-Nonane	*41.4*		*50.0*		*82.8*	*50-200*			
Matrix Spike (2408019-MS1)				**Source: E402159-06**					Prepared: 02/19/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	240	25.0	250	ND	95.9	38-132			
Surrogate: n-Nonane	*42.9*		*50.0*		*85.8*	*50-200*			
Matrix Spike Dup (2408019-MSD1)				**Source: E402159-06**					Prepared: 02/19/24 Analyzed: 02/22/24
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132	13.1	20	
Surrogate: n-Nonane	*49.6*		*50.0*		*99.3*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #004	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/23/2024 11:26:13AM

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 (2408022-BLK1)									Prepared: 02/19/24 Analyzed: 02/21/24
Chloride	ND	20.0							
LCS (2408022-BS1)									Prepared: 02/19/24 Analyzed: 02/21/24
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2408022-MS1)				**Source: E402159-02**					Prepared: 02/19/24 Analyzed: 02/21/24
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2408022-MSD1)				**Source: E402159-02**					Prepared: 02/19/24 Analyzed: 02/21/24
Chloride	255	20.0	250	ND	102	80-120	0.506	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 16 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/23/24 11:26

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: 5/20/2024 1:05:47 PM
Received by OCD: 5/16/2024 3:53:53 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 16 #004	Attention: Jim Raley	Lab WO# E402159	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 Day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		CWA SDWA RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21095164		
Collected by: Gilbert Moreno	Incident ID: nAPP2223636403		

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	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
12:40	2.15.24	S	1	BH12	1	0.5'								X				
12:50	2.15.24	S	1	BH12	2	4'								X				
13:00	2.15.24	S	1	BH12	3	10'								X				
13:10	2.15.24	S	1	BH12	4	15'								X				
13:20	2.15.24	S	1	BH12	5	20'								X				
13:30	2.15.24	S	1	BH12	6	25'								X				
13:40	2.15.24	S	1	BH12	7	30								X				
13:50	2.15.24	S	1	BH12	8	35'								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: GM

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
	2.16.24			2-16-24	1100
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2-16-24	1630		2/19/24	0730
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

Page 630 of 683

Envirotech Analytical Laboratory

Printed: 2/19/2024 9:34:19AM

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:	02/19/24 07:30	Work Order ID:	E402159
Phone:	(539) 573-4018	Date Logged In:	02/19/24 07:56	Logged In By:	Angelina Pineda
Email:	devon-team@etechenv.com	Due Date:	02/23/24 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 G

Email Notifications

Erick Herrera

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Friday, January 12, 2024 9:27 AM
To: Raley, Jim
Cc: Devon-Team; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD
Subject: [EXTERNAL] Devon - RDX 16-4 Extension - NAPP2223636403

RE: Incident #**NAPP2223636403**

Jim,

Your request for a 90 day extension to **April 11th, 2024** is approved. This will be the **final extension** for this release. Please include this e-mail correspondence in the remediation and/or closure report.

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

From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Thursday, January 11, 2024 11:12 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Devon-Team <Devon-Team@ensolum.com>
Subject: [EXTERNAL] Devon - RDX 16-4 Extension - NAPP2223636403

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

Robert,
A remediation workplan was conditionally approved on 10/17/2023 for incident nAPP2223636403 the RDX 16 #004(30-015-39750). This workplan included securing a drilling rig for additional vertical delineation.

Securing a drilling rig locally was extremely difficult due to lack of availability as most are drilling DTW wells for NMOCD closures. With much delay, we were finally able to secure a rig but it was not available till mid-February.

With this unavoidable delay in mind, WPX Energy respectfully asks for a 90 day extension till April 14th, 2024 to complete the conditionally approved workplan.

Jim Raley | Environmental Professional - Permian Basin
5315 Buena Vista Dr., Carlsbad, NM 88220

C: (575)689-7597 | jim.raley@dvn.com

devon

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Thursday, February 9, 2023 7:25 AM
To: Raley, Jim <Jim.Raley@dvn.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Devon-Team <Devon-Team@ensolum.com>
Subject: [EXTERNAL] (Final Extension) - Devon - RDX 16-4 Extension - NAPP2223636403

RE: Incident #**NAPP2223636403**

Jim,

Your request for an extension to **May 20th, 2023** is approved. This will be the **final extension** for this release. Please include this e-mail correspondence in the remediation and/or closure report.

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

From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Wednesday, February 8, 2023 7:49 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Devon-Team <Devon-Team@ensolum.com>
Subject: Re: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

Robert,
WPX Energy Permian, LLC (WPX) is requesting an extension to the current deadline for a closure report required in 19.15.29.12.B.(1) NMAC at the RDX 16 #004.

An oil and produced water release was discovered on August 21, 2022 and assigned Incident Number nAPP2223636403. WPX was granted one 90 day extension for Feb. 19th, 2023 due to a delay in receiving Right of Entry Permit from the State Land Office.

We have been able to excavate and nearly complete the project. However, we have had a few areas of the excavation that proved difficult and will require us to remove additional soils to meet closure requirements. We will not be able to meet the current deadline of February 19th, 2023. We do not anticipate any further delays.

To provide enough time for additional remediation activities and a closure report, WPX requests an extension of the deadline to **May 20, 2023.**

Jim Raley | Environmental Professional - Permian Basin
5315 Buena Vista Dr., Carlsbad, NM 88220
C: (575)689-7597 | jim.raley@dvn.com

devon

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Date: Friday, October 28, 2022 at 2:20 PM
To: Raley, Jim <Jim.Raley@dvn.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>, Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>, Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: RE: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

Actually, lets make that February 19th, 2023.

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: Hamlet, Robert, EMNRD
Sent: Friday, October 28, 2022 2:17 PM
To: Raley, Jim <Jim.Raley@dvn.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: RE: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

RE: Incident #**NAPP2223636403**

Jim,

Your request for an extension to **February 19th, 2022** 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: Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Sent: Friday, October 28, 2022 1:34 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Subject: FW: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@state.nm.us
http:// **www.emnrd.nm.gov**

From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Friday, October 28, 2022 12:10 PM
To: Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Cc: Joseph Hernandez <jhernandez@ensolum.com>
Subject: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

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Jocelyn,
WPX Energy-Devon respectfully asks for a 90 day extension for this incident.

We had to go through the process of getting a ROW permit from the State Land Office and it took longer than expected. A remediation permit is now in place (RE-6316) and we are beginning remediation on this incident. The process of cleanup and closure we expect to exceed our current deadline of 11/19/2022.

RDX 16#004
30-015-39750

NAPP2223636403

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

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 312837
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2223636403**
Incident Name	**NAPP2223636403 RDX 16 #004 @ 30-015-39750**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-39750] RDX 16 #004**

Location of Release Source	
Site Name	**RDX 16 #004**
Date Release Discovered	**08/21/2022**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,976
What is the estimated number of samples that will be gathered	60
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/12/2024
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 US 285 and NM-725, head east on NM-725, drive 3.2 miles and turn left onto Pipeline Rd, drive 6.1 miles and turn rightonto Caliche Road, drive 1.09 miles and turn left onto Caliche road, drive 0.7 miles and turn right onto Caliche Road, drive 0.5 miles to site location.

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

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 312837
	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.	2/8/2024

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

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 312839
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2223636403**
Incident Name	**NAPP2223636403 RDX 16 #004 @ 30-015-39750**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-39750] RDX 16 #004**

Location of Release Source	
Site Name	**RDX 16 #004**
Date Release Discovered	**08/21/2022**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,976
What is the estimated number of samples that will be gathered	60
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/13/2024
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 US 285 and NM-725, head east on NM-725, drive 3.2 miles and turn left onto Pipeline Rd, drive 6.1 miles and turn rightonto Caliche Road, drive 1.09 miles and turn left onto Caliche road, drive 0.7 miles and turn right onto Caliche Road, drive 0.5 miles to site location.

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

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 312839
	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.	2/8/2024

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Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 312842
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2223636403**
Incident Name	**NAPP2223636403 RDX 16 #004 @ 30-015-39750**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-39750] RDX 16 #004**

Location of Release Source	
Site Name	**RDX 16 #004**
Date Release Discovered	**08/21/2022**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,976
What is the estimated number of samples that will be gathered	60
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/14/2024
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 US 285 and NM-725, head east on NM-725, drive 3.2 miles and turn left onto Pipeline Rd, drive 6.1 miles and turn right onto Caliche Road, drive 1.09 miles and turn left onto Caliche road, drive 0.7 miles and turn right onto Caliche Road, drive 0.5 miles to site location.

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Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 312842

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	246289
	Action Number: 312842
	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.	2/8/2024

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

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 312845
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2223636403**
Incident Name	**NAPP2223636403 RDX 16 #004 @ 30-015-39750**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-39750] RDX 16 #004**

Location of Release Source	
Site Name	**RDX 16 #004**
Date Release Discovered	**08/21/2022**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,976
What is the estimated number of samples that will be gathered	60
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/15/2024
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 US 285 and NM-725, head east on NM-725, drive 3.2 miles and turn left onto Pipeline Rd, drive 6.1 miles and turn right onto Caliche Road, drive 1.09 miles and turn left onto Caliche road, drive 0.7 miles and turn right onto Caliche Road, drive 0.5 miles to site location.

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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 312845

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 312845
	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.	2/8/2024

APPENDIX H

Approved Remediation Work Plan

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

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	nAPP2223636403
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party WPX Energy Permain, LLC	OGRID 246289
Contact Name Jim Raley	Contact Telephone 575-689-7597
Contact email Jim.Raley@dvn.com	Incident # *(assigned by OCD)* nAPP2223636403
Contact mailing address 5315 Buena Vista Drive, Carlsbad, NM 88220	

Location of Release Source

Latitude 32.048996 Longitude -103.8808975
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: RDX 16 #004	Site Type Oil Well
Date Release Discovered 8/21/2022	API# *(if applicable)* 30-015-39750

Unit Letter	Section	Township	Range	County
A	16	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	Volume Released (bbls) 5	Volume Recovered (bbls) 0
☒ Produced Water	Volume Released (bbls) 5	Volume Recovered (bbls) 0
	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: Production flowline developed pinhole leaks in small stretch of above ground steel line. Impacting soils in immediate area. No fluids recovered.

$$bbl\ estimate = \frac{saturated\ soil\ volume\ (ft^3)}{4.21\left(\frac{ft^3}{bbl\ equivalent}\right)} * estimated\ soil\ porosity(\%) + \text{recovered fluids (bbl)}$$

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2223636403
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? 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)?	

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: __8/27/2022_____

email: ___jim.raley@dvn.com_____ Telephone: 575-689-7597_____

OCD Only

Received by: Jocelyn Harimon Date: 08/24/2022

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

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 137545
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	8/29/2022

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2223636403
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?	50 - 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	nAPP2223636403
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: 5/20/2023

email: jim.raley@dvn.com Telephone: (575) 689-7597

OCD Only

Received by: Jocelyn Harimon Date: 05/24/2023

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2223636403
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- [X] Detailed description of proposed remediation technique
- [X] Scaled sitemap with GPS coordinates showing delineation points
- [X] Estimated volume of material to be remediated
- [X] Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- [X] Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- [ ] Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- [ ] Extents of contamination must be fully delineated.
- [ ] Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Jim Raley Title: Environmental Professional

Signature: Jim Raley Date: 5/20/2023

email: jim.raley@dvn.com Telephone: (575) 689-7597

OCD Only

Received by: Jocelyn Harimon Date: 05/24/2023

- [ ] Approved
- [ ] Approved with Attached Conditions of Approval
- [ ] Denied
- [ ] Deferral Approved

Signature: _____ Date: _____

REMEDIATION WORK PLAN

RDX 16 #004

Eddy County, New Mexico

Incident Number nAPP2223636403

Prepared for:

WPX Energy Permian, LLC.

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 Remediation Work Plan (RWP) detailing a scope of work to address soil impacts from an inadvertent release of crude oil and produced water at the RDX 16 #004 (Site). Based on the incident review and field observations at the Site, WPX proposes this RWP, which summarizes initial response efforts and details remediation objectives to investigate the release and develop a corrective action plan to rectify environmental impacts.

SITE LOCATION AND RELEASE BACKGROUND

The Site is located in Unit A, Section 16, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.045373°, -103.882236°) and is associated with oil and gas exploration and production operations on State Land (**Figure 1** in **Appendix A**).

On August 21, 2022, corrosion of a steel surface flowline resulted in approximately 5 barrels (bbls) of crude oil and 5 bbls of produced water to be released in two separate areas of the pasture. No fluids were able to be recovered. 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), which was received by the NMOCD on August 24, 2022, and was subsequently assigned Incident Number nAPP2223636403.

Due to the release location, a Right-of-Entry (ROE) Permit to access or disturb soil off-pad was required. WPX submitted the ROE in preparation for soil characterization and remediation activities. An executed permit was issued on March 29, 2023. As a result, an extension was requested and granted for May 20, 2023, to allow WPX to reevaluate site conditions and propose a work plan to investigate soil impacts. The approved extension request may be referenced in **Appendix B**.

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 between 50 and 100 feet below ground surface (bgs) based on a soil boring (TW-1) that was drilled by Atkins Engineering Associates, Inc. (Atkins) for Devon Energy on July 28, 2022. The boring was filed under New Mexico Office of the State Engineer (NMOSE) C-04655. The soil boring is located approximately 1,340 feet north to northeast of the Site (**Figure 1** in **Appendix A**). Using a truck mounted drill rig equipped with hollow stem auger, the soil boring was advanced to a total depth of 55 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

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per the appropriate NMOSE regulations. The boring log and plugging records are provided in **Appendix C**.

Based on the initial desktop review, the release extent(s) appear to lie within a third-order ephemeral stream, a forested/shrub riparian wetland area and a 100-year flood plain. It should be noted that a margin of error is possible based on imagery only; field verification can further confirm these specified classifications developed from image analysis. The Site is not considered to be in an unstable area and remaining potential receptors are not within the established buffers defined in NMAC 19.15.29.12. Receptor details from the site characterization are included in **Figure 1** in **Appendix A**.

Based on the results from the desktop review and estimated 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	600 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	100 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B	50 mg/kg

SITE ASSESSMENT

On November 21, 2022, a site assessment was conducted by a third-party environmental consultant to evaluate and verify the release event according to the reported incident details. In accordance with Form C-141, two Areas of Concern (AOCs) were identified along the steel surface flowline. AOC #1 was identified in the pasture adjacent to the WPX well pad RDX 16 #007. AOC #2 was identified on a pipeline Right-of-Way (ROW), approximately 280 feet west of WPX well pad RDX 16 #007. The AOCs were mapped with a handheld global positioning system (GPS) unit according to visual observations and depicted in **Figure 2** in **Appendix A**. Photographic documentation during the Site visit is included as **Appendix D**.

PROPOSED REMEDIATION WORK PLAN

Based on the Site assessment, the following conclusion regarding the release is presented:

- Delineation soil sampling activities are required to assess the presence or absence of impacts to soil within the identified AOCs, and if present, to define the vertical and horizontal extent(s) through subsurface investigation and laboratory analyses of Closure Criteria COCs.

Based on the conclusion drawn above, WPX proposes the following remedial corrective actions:

- WPX proposes to advance up to 8 delineation points within and around the AOCs via mechanical equipment (**Figure 2**, **Figure 2A** and **Figure 2B** in **Appendix A**). Soil samples will be collected from each delineation location at a maximum frequency of 5-foot intervals and field screened for volatile organic compounds utilizing a photoionization detector (PID) and chloride using Hach© chloride QuanTab© test strips. Soil observations and field screening results for each delineation soil sample will be recorded on soil sampling logs. Soil sample locations will be mapped using a handheld GPS unit.

- A minimum of two soil samples will be collected from each delineation point location, representing the highest field screened concentration(s) and the greatest depth, and submitted to an accredited lab for analysis of BTEX, TPH and Chloride.

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- Delineation locations proposed in areas off pad will likely require third-party operator oversight and additional safety measures near their respective subsurface pipelines before or during delineation activities. WPX and/or the third-party operator may implement additional safety precautions above encroachment guidelines at their company's discretion for the health and safety of on-site personnel and for the structural integrity of utilities. Such restrictions include but are not limited to:
    i. Shifting a proposed sampling location(s) within the AOC to adhere to established buffer zone(s) around one or more utilities.
    ii. Inducing a lateral delineation sampling location(s) to be significantly further from the Site.
- Upon receipt and review of delineation soil laboratory results, WPX will determine the appropriate measure of corrective actions that will include:
    i. Documenting the absence of impacted soil at the Site with a subsequent Closure Report detailing assessment and sampling activities or
    ii. Preparing a RWP Addendum detailing the next course of remedial actions to address the presence of soil impacts at the Site, based off an estimated lateral and vertical extent of impacted soil from assessment and delineation activities.

WPX believes this RWP will meet requirements set forth in NMAC 19.15.29.13 and be protective of human health, the environment and groundwater. As such, WPX respectfully requests approval of this RWP from NMOCD.

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (281) 702-2329 or joseph@etechenv.com or Anna Byers at (575) 200-6754 or anna@etechenv.com.

Sincerely,

eTECH Environmental and Safety Solutions, Inc.

Anna Byers
Senior Geologist

Joseph S. Hernandez
Senior Managing Geologist

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

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Appendices:

Appendix A: Figure 1: Site Map
Figure 2: Proposed Delineation Locations
Figure 2A: Area of Concern #1 – Proposed Delineation Locations
Figure 2B: Area of Concern #2 – Proposed Delineation Locations
Appendix B: NMOCD Correspondence
Appendix C: Referenced Well Records
Appendix D: Photographic Log

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APPENDIX A

Figures

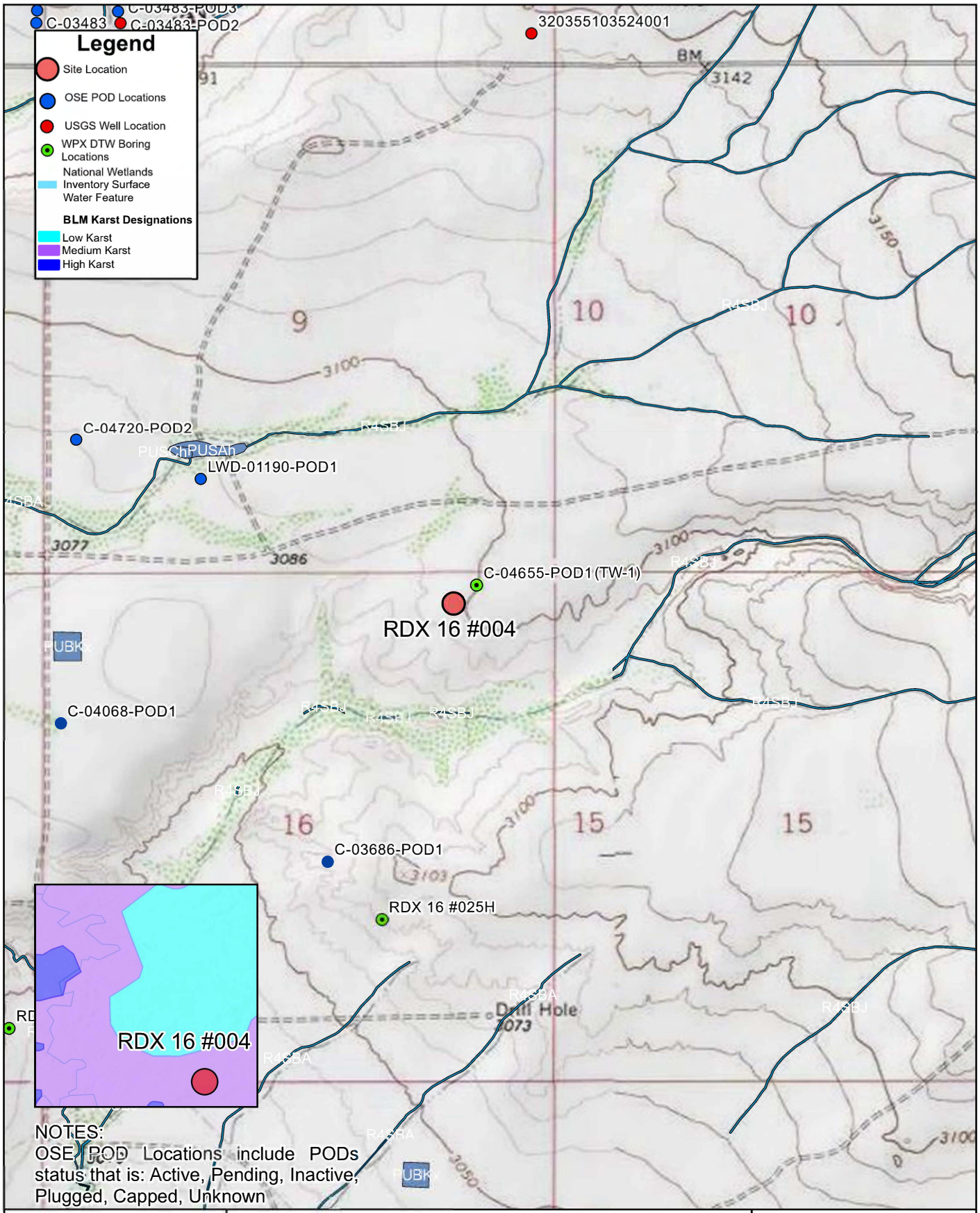


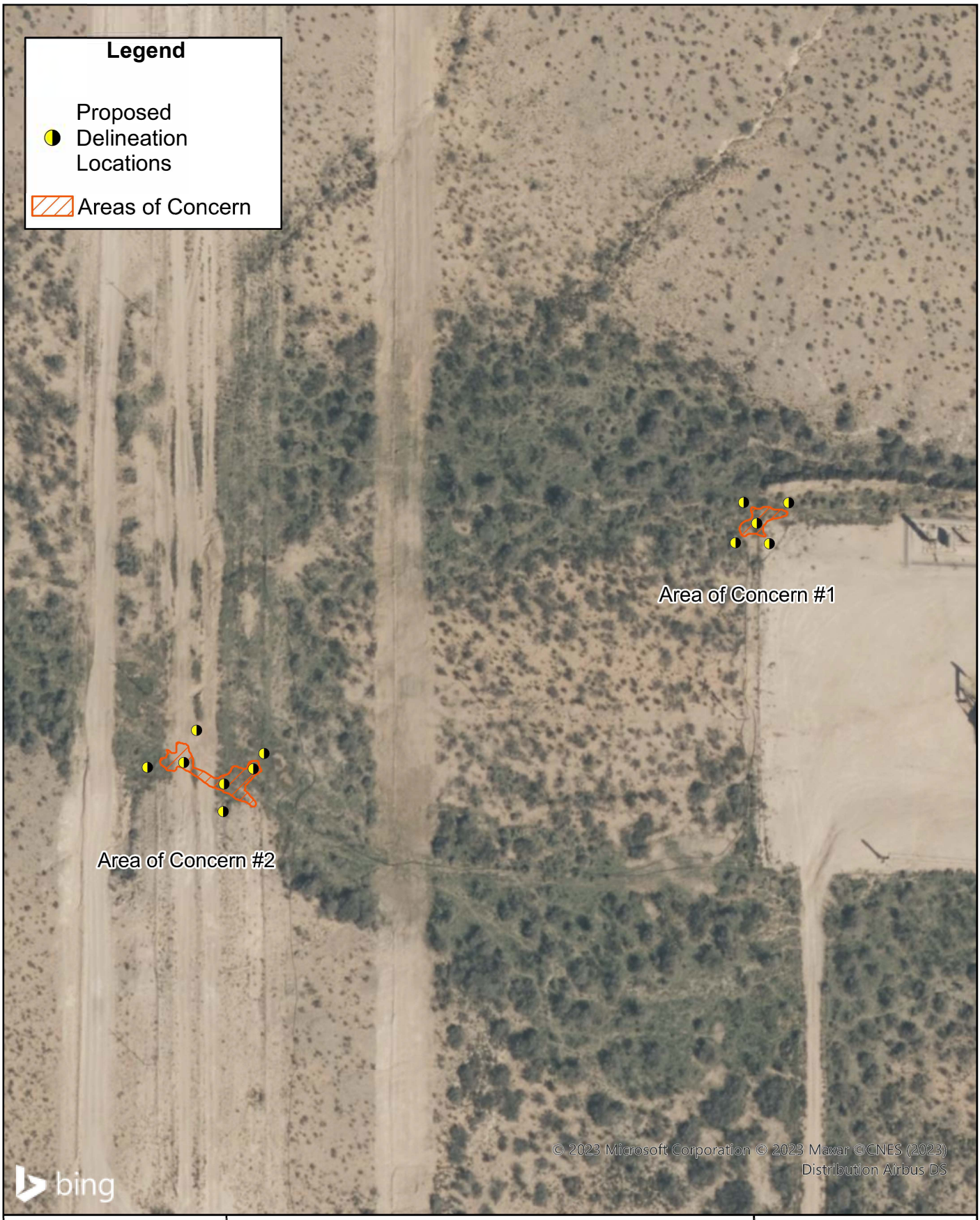
FIGURE 1

Site Map

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit A Sec 16 T26S 30E
Eddy County, New Mexico

N

0 1,000 2,000 Feet



eTECH

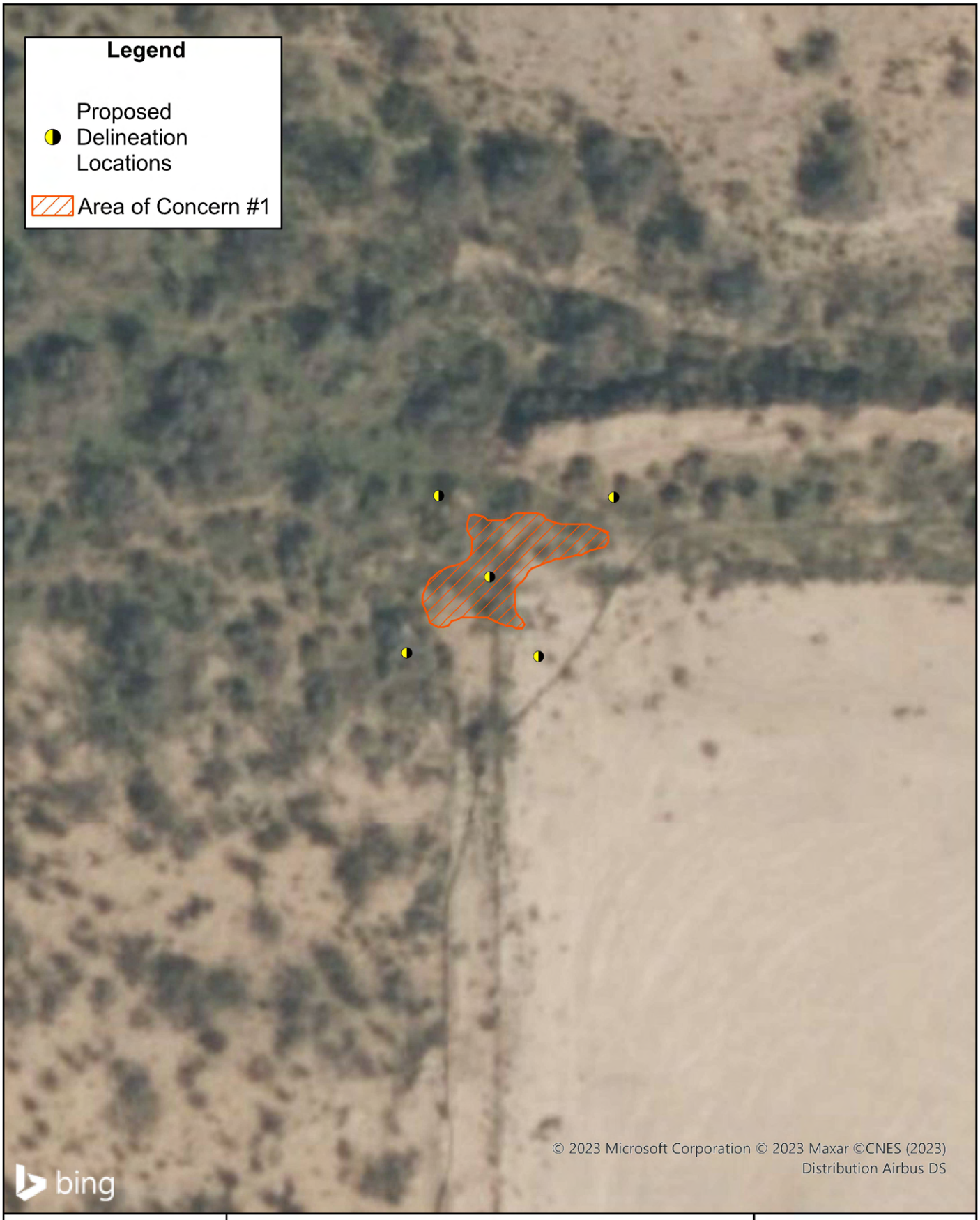
FIGURE 2

Proposed Delineation Locations

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit A Sec 16 T29S 30E
Eddy County, New Mexico

N

0 20 40 80 120 Feet



eTECH

FIGURE 2A

Proposed Delineation Locations

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit A Sec 16 T29S 30E
Eddy County, New Mexico

N

0 5 10 20 30 Feet

eTECH

FIGURE 2B

Proposed Delineation Locations

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit A Sec 16 T29S 30E
Eddy County, New Mexico

N

0 5 10 20 30 Feet

APPENDIX B

NMOCD Correspondence

Anna Byers

From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Wednesday, May 17, 2023 2:33 PM
To: Anna Byers
Subject: FW: [EXTERNAL] (Final Extension) - Devon - RDX 16-4 Extension - NAPP2223636403

Jim Raley | Environmental Professional - Permian Basin
5315 Buena Vista Dr., Carlsbad, NM 88220
C: (575)689-7597 | jim.raley@dvn.com

devon

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Date: Thursday, February 9, 2023 at 7:24 AM
To: Raley, Jim <Jim.Raley@dvn.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>, Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>, Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>, Devon-Team <Devon-Team@ensolum.com>
Subject: [EXTERNAL] (Final Extension) - Devon - RDX 16-4 Extension - NAPP2223636403

RE: Incident #**NAPP2223636403**

Jim,

Your request for an extension to **May 20th, 2023** is approved. This will be the **final extension** for this release. Please include this e-mail correspondence in the remediation and/or closure report.

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

From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Wednesday, February 8, 2023 7:49 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Devon-Team <Devon-Team@ensolum.com>
Subject: Re: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

Robert,
WPX Energy Permian, LLC (WPX) is requesting an extension to the current deadline for a closure report required in 19.15.29.12.B.(1) NMAC at the RDX 16 #004.

An oil and produced water release was discovered on August 21, 2022 and assigned Incident Number nAPP2223636403. WPX was granted one 90 day extension for Feb. 19th, 2023 due to a delay in receiving Right of Entry Permit from the State Land Office.

We have been able to excavate and nearly complete the project. However, we have had a few areas of the excavation that proved difficult and will require us to remove additional soils to meet closure requirements. We will not be able to meet the current deadline of February 19th, 2023. We do not anticipate any further delays.

To provide enough time for additional remediation activities and a closure report, WPX requests an extension of the deadline to **May 20, 2023.**

Jim Raley | Environmental Professional - Permian Basin
5315 Buena Vista Dr., Carlsbad, NM 88220
C: (575)689-7597 | jim.raley@dvn.com

devon

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Date: Friday, October 28, 2022 at 2:20 PM
To: Raley, Jim <Jim.Raley@dvn.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>, Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>, Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: RE: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

Actually, lets make that February 19th, 2023.

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: Hamlet, Robert, EMNRD
Sent: Friday, October 28, 2022 2:17 PM
To: Raley, Jim <Jim.Raley@dvn.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: RE: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

RE: Incident #**NAPP2223636403**

Jim,

Your request for an extension to **February 19th, 2022** 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: Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Sent: Friday, October 28, 2022 1:34 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Subject: FW: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@state.nm.us
http:// **www.emnrd.nm.gov**

From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Friday, October 28, 2022 12:10 PM
To: Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Cc: Joseph Hernandez <jhernandez@ensolum.com>
Subject: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

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

Jocelyn,
WPX Energy-Devon respectfully asks for a 90 day extension for this incident.

We had to go through the process of getting a ROW permit from the State Land Office and it took longer than expected. A remediation permit is now in place (RE-6316) and we are beginning remediation on this incident. The process of cleanup and closure we expect to exceed our current deadline of 11/19/2022.

RDX 16#004
30-015-39750
NAPP2223636403

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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APPENDIX C

Referenced Well Records

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

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1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 1 (TW-1)	N/A	C-4655

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Devon Energy	575-748-1838

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
6488 7 Rivers Hwy	Artesia	NM	88210

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	2	58.26	N
	LONGITUDE	103	52	48.37	W

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

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

NW NE NE Sec.16 T26S R30E, NMPM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
7/28/2022	7/28/2022	Temporary Well	±55	N/A

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DATE STATIC MEASURED: 7/28/22, 8/2/22

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

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

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	55	±6.5	Boring-HSA	--	--	--	--

3. ANNULAR MATERIAL

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

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4655	POD NO. 1	TRN NO. 729332	
LOCATION 26S.30E.16.1.2.2.		WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	4	4	Sand, Fine-grained, poorly graded, Brown	Y ✓ N	
4	48	44	Sand, Fine-grained, poorly graded, with caliche Tan and white	Y ✓ N	
48	55	7	Sand, Fine-grained, poorly graded, Tan Brown	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.

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

Shane Eldridge, Cameron Pruitt

6. SIGNATURE

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

Jack Atkins — Jackie D. Atkins — 8/4/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4655	POD NO. 1	TRN NO. 729332	
LOCATION 26S.30E.16.1.2.2.		WELL TAG ID NO. —	PAGE 2 OF 2

Atkins
ENGINEERING ASSOCIATES INC.
2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

August 4, 2022

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

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4655 Pod1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4655 Pod1.

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

Sincerely,

Lucas Middleton

Enclosures: as noted above

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PLUGGING RECORD

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

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4655

Well owner: Devon Energy Phone No.: 575-748-1838

Mailing address: 6488 7 Rivers Hwy

City: Artesia State: New Mexico Zip code: 88210

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)

2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Eldridge, Cameron Pruitt

4) Date well plugging began: 8/2/2022 Date well plugging concluded: 8/2/2022

5) GPS Well Location: Latitude: 32 deg, 2 min, 58.26 sec
Longitude: 103 deg, 52 min, 48.37 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl), by the following manner: water level probe

7) Static water level measured at initiation of plugging: n/a ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 7/8/2022

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0-10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	Augers	
	10'-55' Drill Cuttings	Approx. 71 gallons	71 gallons	Boring	

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MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins

Signature of Well Driller

8/4/2022

Date

Version: September 8, 2009
Page 2 of 2

31_C-4655_WR-20 Well Record and Log-forsign

Final Audit Report 2022-08-04

Created:	2022-08-04
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAA_5o4o-wmvWNvta5TAYYJLKwG9RHyq1i5

"31_C-4655_WR-20 Well Record and Log-forsign" History

Document created by Lucas Middleton (lucas@atkinseng.com)
2022-08-04 - 9:48:16 PM GMT- IP address: 64.17.71.25

Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2022-08-04 - 9:48:44 PM GMT

Email viewed by Jack Atkins (jack@atkinseng.com)
2022-08-04 - 9:48:57 PM GMT- IP address: 64.90.153.232

Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2022-08-04 - 9:49:29 PM GMT - Time Source: server- IP address: 64.90.153.232

Agreement completed.
2022-08-04 - 9:49:29 PM GMT

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Adobe Acrobat Sign

APPENDIX D

Photographic Log

PHOTOGRAPHIC LOG
WPX Energy Permian, LLC
RDX 16 #004
Incident Number nAPP2223636403

Photograph 1 **Date: 11/21/2022**
Description: Northwestern view of Area of Concern #1

Photograph 2 **Date: 11/21/2022**
Description: Southeastern view of Area of Concern #1

Photograph 3 **Date: 11/21/2022**
Description: Southern view of Area of Concern #2

Photograph 4 **Date: 11/21/2022**
Description: Southeastern view of Area of Concern #2

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

QUESTIONS

Action 345276

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 345276
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2223636403**
Incident Name	**NAPP2223636403 RDX 16 #004 @ 30-015-39750**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Received**
Incident Well	**[30-015-39750] RDX 16 #004**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	RDX 16 #004
Date Release Discovered	08/21/2022
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure | Flow Line - Production | Crude Oil | Released: 5 BBL | Recovered: 0 BBL | Lost: 5 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure | Flow Line - Production | Produced Water | Released: 5 BBL | Recovered: 0 BBL | Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 345276
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 05/16/2024

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QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 345276
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 100 (ft.)
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	Zero feet, overlying, or within area
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	Zero feet, overlying, or within area
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	16100
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	5720
GRO+DRO (EPA SW-846 Method 8015M)	4340
BTEX (EPA SW-846 Method 8021B or 8260B)	12.3
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1
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	07/10/2024
On what date will (or did) the final sampling or liner inspection occur	12/10/2024
On what date will (or was) the remediation complete(d)	12/10/2024
What is the estimated surface area (in square feet) that will be reclaimed	81417
What is the estimated volume (in cubic yards) that will be reclaimed	5000
What is the estimated surface area (in square feet) that will be remediated	2550
What is the estimated volume (in cubic yards) that will be remediated	5000
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: 345276
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	*Not answered.*
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	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.	

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: 05/16/2024

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)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 345276
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 345276
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**312850**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**02/16/2024**
What was the (estimated) number of samples that were to be gathered	**60**
What was the sampling surface area in square feet	**1976**

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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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

Action 345276

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	246289
	Action Number: 345276
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation proposal is approved with conditions. Based on analytical data provided, volume estimates need to be recalculated to reflect a more accurate release volume. Horizontal delineation must be achieved for both areas of concern. Background data obtained is sufficient and additional background chloride samples are not warranted. Approval to obtain five point composite soil samples from the stockpile representing no greater than 500 cubic yards is approved. WPX request to obtain confirmation samples every 1,000 square feet is denied. Samples may be collected representing no more than 400 square feet. Variance request to leave contamination in place beneath pipelines is rejected. Only sample points on pad that require a major facility deconstruction will be approved for a deferral. Every attempt should be made to remove all contaminants safely. The OCD needs to ensure that every measure has been taken to remediate the release before a deferral can be considered.	5/20/2024
scwells	WPX did not provide any evidence that a barrier “will provide equal or better protection of fresh water, public health and the environment” and as such a variance request is still denied and should not be proposed again. OCD has requested that remediation commence no later than 5/24/24.	5/20/2024