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	nAPP2307930900
District RP	
Facility ID	
Application ID	

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)* nAPP2307930900
Contact mailing address 5315 Buena Vista Drive, Carlsbad, NM 88220	

Location of Release Source

Latitude 32.0457649 Longitude -103.88517
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: RDX 16 #008	Site Type Oil Well
Date Release Discovered: 3/16/2023	API# *(if applicable)* 30-015-39751

Unit Letter	Section	Township	Range	County
G	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) 4	Volume Recovered (bbls) 2
☒ Produced Water	Volume Released (bbls) 30	Volume Recovered (bbls) 25
	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: Valve to head switch was closed, which did not allow the water transfer pump to activate. This caused a tank overflow to secondary containment.

$$bbl\ estimate = \frac{saturated\ soil\ volume\ (ft^3)}{4.21\left(\frac{ft^3}{bbl\ equivalent}\right)} * estimated\ soil\ porosity(\%) + \text{recovered fluids (bbl)}$$

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2307930900
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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)? Email to Mike Bratcher and Rosa Romero on 3/17/2023	

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: __3/20/2023_____

email: ___jim.raley@dvn.com_____ Telephone: 575-689-7597_____

OCD Only

Received by: Jocelyn Harimon Date: 03/20/2023

Incident ID	nAPP2307930900
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☒ Yes ☐ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2307930900
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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: 6/13/2023

email: Jim.Raley@dvn.com Telephone: 575-689-7597

OCD Only

Received by: Jocelyn Harimon Date: 06/13/2023

Incident ID	nAPP2307930900
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

☒ Detailed description of proposed remediation technique
☒ Scaled sitemap with GPS coordinates showing delineation points
☒ Estimated volume of material to be remediated
☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
☒ 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: 6/13/2023

email: Jim.Raley@dvn.com Telephone: 575-689-7597

OCD Only

Received by: Jocelyn Harimon Date: 06/13/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

REMEDIATION WORK PLAN

RDX 16 #008

Eddy County, New Mexico

Incident Number nAPP2307930900

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 site assessment and delineation soil sampling activities at the RDX 16 #008 ((Site) (**Figure 1** in **Appendix A**)) associated with an inadvertent release of crude oil and produced water. Based on field observations, field screening activities and review of the laboratory analytical results from delineation soil sampling activities at the Site, WPX proposes this RWP which summarizes corrective actions and details remediation objectives to rectify environmental impacts.

SITE LOCATION AND RELEASE BACKGROUND

On March 16, 2023, a storage tank overflow resulted in approximately 4 barrels (bbls) of crude oil and 30 bbls of produced water to be released within the tank battery containment earthen berm. Vacuum trucks were immediately dispatched and recovered approximately 2 bbls of crude oil and 25 bbls of produced water. 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 March 20, 2023, and was subsequently assigned Incident Number nAPP2307930900. Shortly after the incident, the release area was mapped based on field observations, hereafter referred to as the Area of Concern (AOC) and presented on **Figure 2** in **Appendix A**.

The production well (API 30-015-39751) for this Site is located in Unit G, Section 16, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.0457649°, -103.88517°) as provided on the initial Form C-141 and is associated with oil and gas exploration and production operations on State Land.

The storage tanks for the well, where the release occurred, is located east of the production well in Unit H, Section 16, Township 26 South, Range 30 East, in Eddy County New Mexico (32.04507°, -103.88068°). The updated legals and coordinates are provided on the Final Form C-141.

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.

Based on the initial desktop review, the Site appears to be within proximity of three potential receptors. The closest continuously flowing or significant water course to the Site appears to be an ephemeral stream identified on the NMOCD Oil and Gas Map online database and on the United States Geological Survey (USGS) 7.5-minute quadrangle map, located to the north within 300 feet of the Site. Forested/Shrub Riparian Wetlands were identified on the United States Fish and Wildlife Service (USFWS) online database, National Wetland Inventory (Wetland Mapper), located to the east and west

within 300 feet of the Site. The Site is located within a 100-year floodplain, as defined by the Federal Emergency Management Agency's (FEMA) National Flood Hazard Layer (NFHL) online database.

Based on the desktop review of the current BLM Carlsbad Field Office (CFO) karst cave potential map, this Site is located in a medium potential karst area. All other potential receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details from the site characterization are included in **Figure 1** in **Appendix A**.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs), based off a nearby soil boring performed by Talon LPE on behalf of WPX, located approximately ½ mile south of the Site on the RDX 16-25 well pad. Soil boring (MW-1) was advanced on December 16, 2020, via truck mounted drill rig equipped with hollow stem auger to a total depth of 110 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. Following the observation period, the boring was plugged and abandoned according to the appropriate regulations. The well log for the referenced soil boring is provided in **Appendix B**.

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

DELINEATION SOIL SAMPLING ACTIVITIES

On May 22, 2023, Etech evaluated the Site based on information provided by WPX and conducted delineation activities to assess the AOC. Six delineation locations (BH01 through BH06) were advanced via hand auger and/or backhoe within and around the AOC, which were driven by field screening soil samples for volatile organic hydrocarbons using a photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. A minimum of two soil samples were collected per sampling location, representing the highest observed field screening concentrations and the greatest depth representing the characterization of impacts. Field screening results and soil descriptions were denoted on soil sampling logs, which is included as **Attachment C**. The location of the delineation soil samples is shown in **Figure 2** in **Appendix A**. Photographic documentation during delineation activities is included in **Attachment 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 Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of COCs.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for soil samples assisting with lateral delineation (BH02 through BH05) were compliant with Site Closure Criteria.

Laboratory analytical results for the remaining samples collected within the AOC (BH01 and BH06) indicated that at least one of the COCs exceeded the Site Closure Criteria. Identified chloride impacts are characterized by concentrations ranging from 666 mg/kg to 5,290 mg/kg. Elevated TPH and BTEX

concentrations were only present at 0.5 feet bgs at BH06 and decreased to concentrations below Site Closure Criteria at 4 feet bgs.

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 WORK PLAN

Based on the delineation soil sampling results, the following conclusions regarding the release are presented:

- Laboratory analytical results for soil samples collected from BH01 within the AOC indicated elevated chloride concentrations (666 mg/kg and 5,290 mg/kg) exist up to 12 feet bgs. TPH concentrations only appear to exist in the proximity of sample location BH06, which dramatically decreased from 2,590 mg/kg at 0.5 feet bgs to 91.2 mg/kg at 4 feet bgs. Further investigation is necessary to determine the vertical extent of residual impacts associated with BH01;
- Laboratory analytical results for soil samples collected from BH02 through BH05 indicated COC concentrations were below the Site Closure Criteria, which will assist with defining the lateral extent of impacts associated with the inadvertent release.

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

- WPX proposes to continue advancement of BH01 to investigate the vertical extent of the AOC via mechanical equipment (**Figure 2** in **Appendix A**). Soil samples will be collected at a maximum frequency of 5-foot intervals and field screened for volatile organic compounds and chloride as previously described. 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.
- WPX proposes to attempt advancement of lateral delineation boreholes BH02 through BH05 to match the total depth of BH01 to confirm the horizontal extent of impacts. Soil samples will be collected from each delineation location at a maximum frequency of 5-foot intervals and field screened for volatile organic compounds and chloride as previously described. Continued 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.
- Upon receipt and review of delineation soil laboratory results, WPX will determine the appropriate measure of corrective actions that will include:
    - Documenting and estimating an amount of impacted soil to be left in place at the Site with a subsequent Deferral Report detailing remediation efforts and soil sampling activities or
    - Preparing a RWP 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.

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

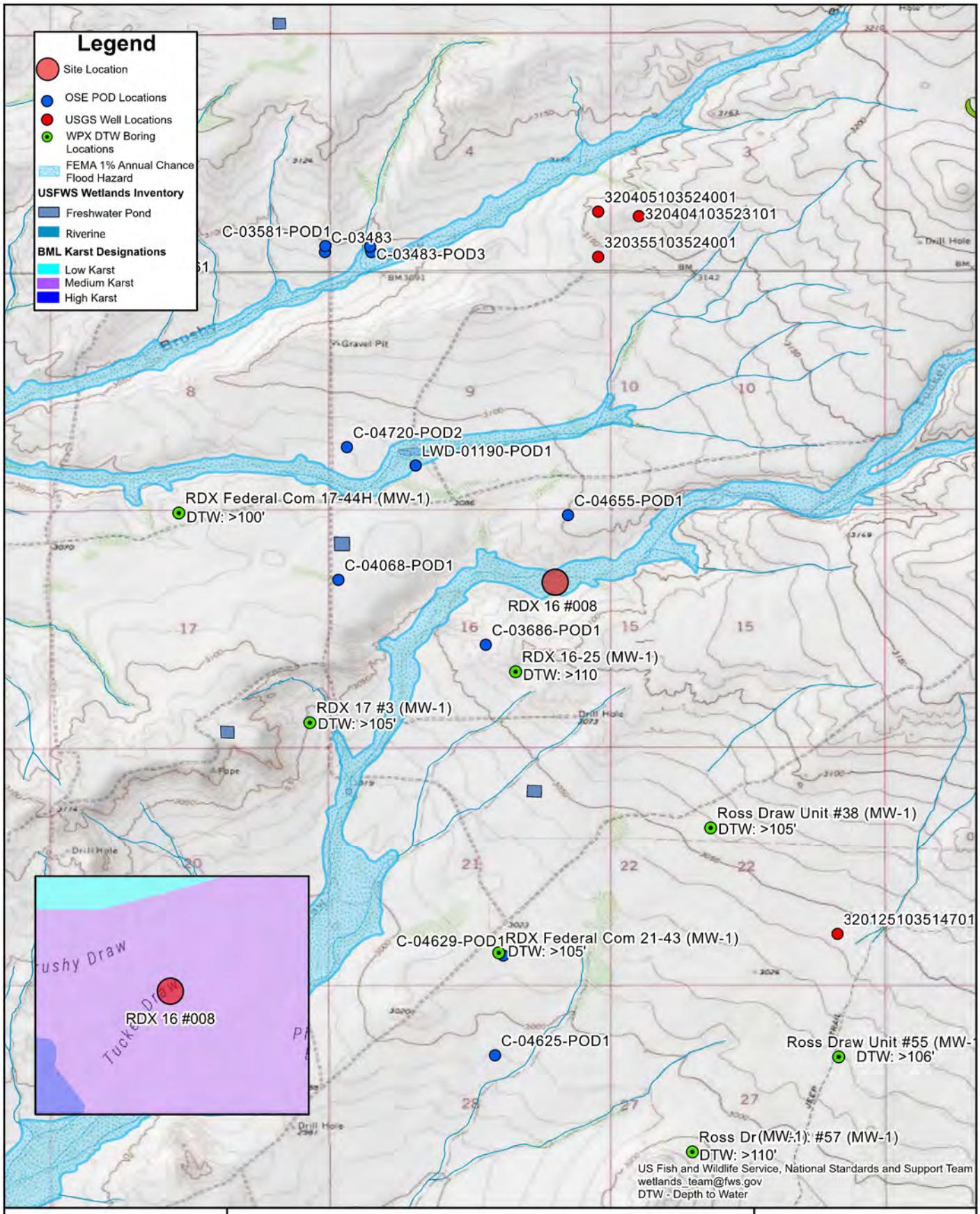
cc: Jim Raley, Devon
New Mexico Oil Conservation Division
State Land Office

Appendices:

Appendix A	Figure 1: Site Map
	Figure 2: Delineation Soil Sample Locations
Appendix B	Referenced Well Records
Appendix C	Lithologic Sampling Logs
Appendix D	Photographic Log
Appendix E	Tables
Appendix F	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix G	NMOCD Correspondence

APPENDIX A

Figures



eTECH

FIGURE 1

Site Map

WPX ENERGY PERMIAN, LLC
RDX 16 #008
Unit H Sec 16 T26S R30E
Eddy County, New Mexico

N

0 1,500 3,000 Feet

FIGURE 2

Delineation Soil Sample Locations

WPX ENERGY PERMIAN, LLC
RDX 16 #008
Unit H Sec 16 T26S R30E
Eddy County, New Mexico

N

0 30 60 120 Feet

APPENDIX B

Referenced Well Records

HRL COMPLIANCE SOLUTIONS

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: MW-1		Location: RDX 16-25	
Date: 12/10/2020		Client: WPX Energy	
Drilling Method: Air Rotary	Sampling Method: None	Logged By: J. Linn, PG	Drilled By: Talon LPE
Gravel Pack Type: 10/20 sand	Gravel Pack Depth Interval: 3 bags	Seal Type: None / Seal Depth Interval: None	Latitude: 32.0399004
Casing Type: PVC / Diameter: 2-inch / Depth Interval: 0-105 feet bgs		Boring Total Depth (ft. BGS): 110	Longitude: -103.8833368
Screen Type: PVC / Slot: 0.010-inch / Diameter: 2-inch / Depth Interval: 105-110 ft		Well Total Depth (ft. BGS): 110	Depth to Water (ft. BTOC): > 110 / DTW Date: 12/16/2020

Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Lithology/Remarks	Well Completion
0	NM	L	D	N	N	NM	SW	NS	Pale orange to pink tan well graded sand with silt	
5										
10										
15										
20										
25	NM	L	D	N	N	NM	SP	NS	Pale pinky orange poorly graded fine sand	
30										
35										
40	NM	L	D	N	N	NM	SW	NS	Orange to pale red well graded sand with gravel	
45										
50	NM	L	D	N	N	NM	SP	NS	Pale pinky orange poorly graded fine sand	
55										
60	NM	L	D	N	N	NM	SP	NS	Pale pinky orange poorly graded fine sand with minor medium and coarse sand - TD: 110' bgs	
65										
70										
75										
80										
85										
90										
95										
100										
105										
110										

APPENDIX C

Lithologic Sampling Logs

eTECH

	Sample Name: BH01	Date: 05/22/2023
	Site Name: RDX 16 #008	
	Incident Number: nAPP2307930900	
	Job Number: 18138	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.644579, -103.448392	Hole Diameter: 4 inches	Total Depth: 12 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	0-1' bgs: Pad surface CALICHE, dry, no staining, no odor
Dry	4,060	0.0	No	BH01	0.5			1-2' bgs: SAND, dry, brown, well graded with silt and some small gravel, very fine to coarse grained, no staining, no odor
Dry	656	0.0	No		1	1	SW-SM	
								2-12' bgs: SAND, dry, light brown, poorly graded with small gravel, very fine to fine grained, no staining, no odor
Dry	551	0.0	No		2	2	SP	
Dry	656	0.0	No		3	3		
Dry	1,046	0.0	No	BH01	4	4		
Dry	1,696	0.0	No		5	5		
Dry	1,208	0.0	No		6	6		
Dry	656	0.0	No	BH01	7	7		
Dry	904	0.0	No		8	8		
Dry	972	0.0	No		9	9		
								BH01 continued on following page (10' through 12')

eTECH

	Sample Name: BH01	Date: 05/22/2023
	Site Name: RDX 16 #008	
	Incident Number: nAPP2307930900	
	Job Number: 18138	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.644579, -103.448392	Hole Diameter: 4 inches	Total Depth: 12 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	972	0.0	No		10	10		BH01 continued…
Dry	904	0.0	No		11	11	SP	2-12' bgs: SAND, dry, light brown, poorly graded with small gravel, very fine to fine grained, no staining, no odor
Dry	972	0.0	No	BH01	12	12		

Total Depth: 12 feet bgs

eTECH

	Sample Name: BH02	Date: 05/22/2023
	Site Name: RDX 16 #008	
	Incident Number: nAPP2307930900	
	Job Number: 18138	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Back Hoe
Site Coordinates: 32.644579, -103.448392	Hole Diameter: n/a	Total Depth: 4 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	0-1' bgs: Pad surface CALICHE, dry, no staining, no odor
Dry	0	0.0	No	BH02	0.5			1-4' bgs: SAND, dry, light brown, poorly graded, very fine to fine grained, no staining, no odor
Dry	0	0.0	No		1	1	SP	
Dry	0	0.0	No		2	2		
Dry	0	0.0	No		3	3		
Dry	<120	0.0	No	BH02	4	4		

Total Depth: 4 feet bgs

eTECH

	Sample Name: BH03	Date: 05/22/2023
	Site Name: RDX 16 #008	
	Incident Number: nAPP2307930900	
	Job Number: 18138	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Back Hoe
Site Coordinates: 32.644579, -103.448392	Hole Diameter: n/a	Total Depth: 4 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	0-1' bgs: Pad surface CALICHE, dry, no staining, no odor
Dry	236	0.0	No	BH03	0.5			1-4' bgs: SAND, dry, light brown, poorly graded, very fine to fine grained, no staining, no odor
Dry	236	0.0	No		1	1	SP	
Dry	156	0.0	No		2	2		
Dry	156	0.0	No		3	3		
Dry	<120	0.0	No	BH03	4	4		

Total Depth: 4 feet bgs

eTECH

	Sample Name: BH04	Date: 05/22/2023
	Site Name: RDX 16 #008	
	Incident Number: nAPP2307930900	
	Job Number: 18138	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.644579, -103.448392	Hole Diameter: 4 inches	Total Depth: 4 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	0-4 ft bgs: SAND, dry, light brown, poorly graded, very fine to fine, no staining, no odor
Dry	236	0.0	No	BH04	0.5			
Dry	236	0.0	No		1	1		
Dry	156	0.0	No		2	2		
Dry	156	0.0	No		3	3		
Dry	<120	0.0	No	BH04	4	4		

Total Depth: 4 feet bgs

eTECH

	Sample Name: BH05	Date: 05/22/2023
	Site Name: RDX 16 #008	
	Incident Number: nAPP2307930900	
	Job Number: 18138	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Edyte Konan	Method: Hand Auger
Site Coordinates: 32.644579, -103.448392	Hole Diameter: 4 inches	Total Depth: 4 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	0-1' bgs: Pad surface CALICHE, dry, no staining, no odor
Dry	<120	0.0	No	BH05	0.5			1-4' bgs: SAND, dry, light brown, poorly graded, very fine to fine grained, no staining, no odor
Dry	132	0.0	No		1	1	SP	
Dry	132	0.0	No		2	2		
Dry	<120	0.0	No		3	3		
Dry	<120	0.0	No	BH05	4	4		

Total Depth: 4 feet bgs

eTECH

Sample Name: BH06	Date: 05/22/2023
Site Name: RDX 16 #008	
Incident Number: nAPP2307930900	
Job Number: 18138	
Logged By: Edyte Konan	Method: Hand Auger
Hole Diameter: 4 inches	Total Depth: 7 feet

LITHOLOGIC / SOIL SAMPLING LOG

Site Coordinates: 32.644579, -103.448392

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	0-1' bgs: Pad surface CALICHE, dry, stained, no odor
Dry	5,592	170.1	Yes	BH06	0.5			1-2' ft bgs: SAND, dry, brown, well graded with silt and some small gravel, very fine to coarse, no staining, no odor
Dry	268	14.5	No		1	1	SW-SM	
								2-7' ft bgs: Sand, dry, light brown, poorly graded, very fine to fine, no staining, no odor
Dry	200	31.3	No		2	2	SP	
Dry	<120	8.4	No		3	3		
Dry	156	8.0	No	BH06	4	4		
Dry	<120	10.5	No		5	5		
Dry	<120	30.1	No		6	6		
Dry	<120	32.3	No		7	7		

Total Depth: 7 feet bgs

APPENDIX D

Photographic Log

PHOTOGRAPHIC LOG

WPX Energy Permian, LLC

RDX 16 #008

Incident Number nAPP2307930900

Photograph 1	Date: 05/22/2023

Description: Delineation activities, southern view of BH01 advancement.

Photograph 2	Date: 05/22/2023

Description: Delineation activties, southwestern view of BH06 advancement.

eTECH

PHOTOGRAPHIC LOG

WPX Energy Permian, LLC

RDX 16 #008

Incident Number nAPP2307930900

Photograph 3	**Date: 05/22/2023**

Description: Delineation activities, eastern view of BH03 advancement.

Photograph 4	**Date: 05/22/2023**

Description: Delineation activities, northern view of BH02 advancement.

APPENDIX E

Tables

eTECH

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX 16 #008
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 - nAPP2307930900									
BH01	05/22/2023	0.5	<0.0250	<0.0250	<20.0	32.7	<50.0	32.7	**5,290**
BH01	05/22/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	**1,510**
BH01	05/22/2023	7	<0.0250	<0.0250	<20.0	<50.0	<50.0	<50.0	**666**
BH01	05/22/2023	12	<0.0250	<0.0250	<20.0	37.4	<50.0	37.4	**861**
BH02	05/22/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	278
BH02	05/22/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	34.1
BH03	05/22/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	161
BH03	05/22/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	21.8
BH04	05/22/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	48.9
BH04	05/22/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	49.6
BH05	05/22/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
BH05	05/22/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
BH06	05/22/2023	0.5	<0.0250	0.2664	<20.0	611	255	**866**	**2,590**
BH06	05/22/2023	4	<0.0250	<0.0250	<20.0	34.4	<50.0	34.4	91.2

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
*Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard for Soils Impacted by a Release*

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

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 #008
Work Order:	E305150
Job Number:	01058-0007
Received:	5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/30/23

Date Reported: 5/30/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #008
Workorder: E305150
Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH06 0.5'	E305150-01A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.
BH06 4'	E305150-02A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:23:53PM

BH06 0.5'

E305150-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2321061
Benzene	ND	0.0250	1	05/25/23	05/27/23	
Ethylbenzene	**0.0454**	0.0250	1	05/25/23	05/27/23	
Toluene	ND	0.0250	1	05/25/23	05/27/23	
o-Xylene	**0.0636**	0.0250	1	05/25/23	05/27/23	
p,m-Xylene	**0.157**	0.0500	1	05/25/23	05/27/23	
Total Xylenes	**0.221**	0.0250	1	05/25/23	05/27/23	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*05/25/23*	*05/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2321061
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/27/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*05/25/23*	*05/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2321057
Diesel Range Organics (C10-C28)	**611**	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	**255**	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane		*124 %*	*50-200*	*05/25/23*	*05/26/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2321082
Chloride	**2590**	20.0	1	05/26/23	05/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:23:53PM

BH06 4'

E305150-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2321061
Benzene	ND	0.0250	1	05/25/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/27/23	
Toluene	ND	0.0250	1	05/25/23	05/27/23	
o-Xylene	ND	0.0250	1	05/25/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/27/23	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/25/23*	*05/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2321061
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/27/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*05/25/23*	*05/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2321057
Diesel Range Organics (C10-C28)	**34.4**	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane		*110 %*	*50-200*	*05/25/23*	*05/26/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2321082
Chloride	**91.2**	20.0	1	05/26/23	05/27/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:23:53PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321061-BLK1)									Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.95*		*8.00*		*99.4*	*70-130*			
LCS (2321061-BS1)									Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.31	0.0250	5.00		86.2	70-130			
Ethylbenzene	4.50	0.0250	5.00		90.0	70-130			
Toluene	4.65	0.0250	5.00		93.0	70-130			
o-Xylene	4.75	0.0250	5.00		95.0	70-130			
p,m-Xylene	9.32	0.0500	10.0		93.2	70-130			
Total Xylenes	14.1	0.0250	15.0		93.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.93*		*8.00*		*99.2*	*70-130*			
Matrix Spike (2321061-MS1)				**Source: E305149-03**					Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.83	0.0250	5.00	ND	96.7	54-133			
Ethylbenzene	5.06	0.0250	5.00	ND	101	61-133			
Toluene	5.22	0.0250	5.00	ND	104	61-130			
o-Xylene	5.33	0.0250	5.00	ND	107	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.8	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.04*		*8.00*		*101*	*70-130*			
Matrix Spike Dup (2321061-MSD1)				**Source: E305149-03**					Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.44	0.0250	5.00	ND	88.8	54-133	8.51	20	
Ethylbenzene	4.63	0.0250	5.00	ND	92.6	61-133	8.90	20	
Toluene	4.78	0.0250	5.00	ND	95.6	61-130	8.78	20	
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131	8.62	20	
p,m-Xylene	9.58	0.0500	10.0	ND	95.8	63-131	8.86	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.4	63-131	8.78	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.98*		*8.00*		*99.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:23:53PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321061-BLK1)									Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.17*		*8.00*		*89.6*	*70-130*			
LCS (2321061-BS2)									Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.20*		*8.00*		*90.1*	*70-130*			
Matrix Spike (2321061-MS2)				**Source: E305149-03**					Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.04*		*8.00*		*88.0*	*70-130*			
Matrix Spike Dup (2321061-MSD2)				**Source: E305149-03**					Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	40.9	20.0	50.0	ND	81.8	70-130	12.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.02*		*8.00*		*75.2*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:23:53PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321057-BLK1)									Prepared: 05/25/23 Analyzed: 05/25/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.8*		*50.0*		*114*	*50-200*			
LCS (2321057-BS1)									Prepared: 05/25/23 Analyzed: 05/25/23
Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132			
Surrogate: n-Nonane	*52.0*		*50.0*		*104*	*50-200*			
Matrix Spike (2321057-MS1)				**Source: E305146-01**					Prepared: 05/25/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132			
Surrogate: n-Nonane	*50.5*		*50.0*		*101*	*50-200*			
Matrix Spike Dup (2321057-MSD1)				**Source: E305146-01**					Prepared: 05/25/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	38-132	1.30	20	
Surrogate: n-Nonane	*52.0*		*50.0*		*104*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:23:53PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321082-BLK1)									Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	ND	20.0							
LCS (2321082-BS1)									Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2321082-MS1)				**Source: E305149-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	272	20.0	250	21.8	99.9	80-120			
Matrix Spike Dup (2321082-MSD1)				**Source: E305149-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	290	20.0	250	21.8	107	80-120	6.42	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:23

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

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

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

Project Information | Chain of Custody

Client: WPX Energy Permian LLC.	
Project: RDX 16 #008	
Project Manager: Gilbert Moreno	
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	
Phone: 432-305-6415	
Email: Devon-team@etechenv.com	
Collected by: Edyte Konan	

Bill To

Attention: Jim Raley
Address: 5315 Buena Vista Dr.
City, State, Zip: Carlsbad, NM, 88220
Phone: 575-885-7502
Email: jim.raley@dvn.com
WO: 21141253
Incident ID:

Lab Use Only

Lab WO# E305150 | Job Number 01058-0007

TAT

1D	2D	3D	Standard
			5 day TAT

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
13:00	5/22/2023	S	1	BH06	1	0.5'								X				
13:20	5/22/2023	S	1	BH06	2	4'								X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Edyte Konan	05/24/23	10:30	Michelle R Cuyle	5-24-23	1030
Michelle Cuyle	5-24-23	1815	Andrew Mesa	5-24-23	1830
Andrew Mesa	5-24-23	2400	Cristin Morrison	5/25/23	8:20

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.

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Envirotech Analytical Laboratory

Printed: 5/26/2023 1:57:24PM

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:	05/25/23 08:20	Work Order ID:	E305150
Phone:	(539) 573-4018	Date Logged In:	05/24/23 16:19	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Project Information

Chain of Custody

Client: WPX Energy Permian LLC.	Bill To	Lab Use Only	TAT / EPA Program
Project: RDX 16 #008	Attention: Jim Raley	Lab WO#: E305150 / Job Number: 01058-0007	1D / 2D / 3D / Standard 5 day TAT — CWA / SDWA
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		RCRA
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220	Analysis and Method	
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM / CO / UT / AZ / TX
Phone: 432-305-6415	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WO: 21141253		
Collected by: Edyte Konan	Incident ID: NAPP2307930900		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
13:00	5/22/2023	S	1	BH06	1	0.5'								X				Added incident # to COC per Gilbert. 5/26/23 CM
13:20	5/22/2023	S	1	BH06	2	4'								X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Edyte Konan	05/24/23	10:30	Michelle R Gonzales	5-24-23	1030
Michelle Gonzales	5-24-23	1815	Andrew Musso	5-24-23	1830
Andrew Musso	5-24-23	2400	Caitlin Mars	5/25/23	8:20

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

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 #008
Work Order:	E305151
Job Number:	01058-0007
Received:	5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/30/23

Date Reported: 5/30/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #008
Workorder: E305151
Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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Southern New Mexico Area
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ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04 0.5'	E305151-01A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.
BH04 4'	E305151-02A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:17:21PM

BH04 0.5'

E305151-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2321061
Benzene	ND	0.0250	1	05/25/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/27/23	
Toluene	ND	0.0250	1	05/25/23	05/27/23	
o-Xylene	ND	0.0250	1	05/25/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/27/23	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/25/23*	*05/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2321061
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/27/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*05/25/23*	*05/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2321057
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*05/25/23*	*05/26/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2321082
Chloride	**48.9**	20.0	1	05/26/23	05/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:17:21PM

BH04 4'

E305151-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2321061
Benzene	ND	0.0250	1	05/25/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/27/23	
Toluene	ND	0.0250	1	05/25/23	05/27/23	
o-Xylene	ND	0.0250	1	05/25/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/27/23	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/25/23*	*05/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2321061
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/27/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*05/25/23*	*05/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2321057
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane		*106 %*	*50-200*	*05/25/23*	*05/26/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2321082
Chloride	**49.6**	20.0	1	05/26/23	05/27/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:17:21PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321061-BLK1)									Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.95*		*8.00*		*99.4*	*70-130*			
LCS (2321061-BS1)									Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.31	0.0250	5.00		86.2	70-130			
Ethylbenzene	4.50	0.0250	5.00		90.0	70-130			
Toluene	4.65	0.0250	5.00		93.0	70-130			
o-Xylene	4.75	0.0250	5.00		95.0	70-130			
p,m-Xylene	9.32	0.0500	10.0		93.2	70-130			
Total Xylenes	14.1	0.0250	15.0		93.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.93*		*8.00*		*99.2*	*70-130*			
Matrix Spike (2321061-MS1)				**Source: E305149-03**					Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.83	0.0250	5.00	ND	96.7	54-133			
Ethylbenzene	5.06	0.0250	5.00	ND	101	61-133			
Toluene	5.22	0.0250	5.00	ND	104	61-130			
o-Xylene	5.33	0.0250	5.00	ND	107	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.8	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.04*		*8.00*		*101*	*70-130*			
Matrix Spike Dup (2321061-MSD1)				**Source: E305149-03**					Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.44	0.0250	5.00	ND	88.8	54-133	8.51	20	
Ethylbenzene	4.63	0.0250	5.00	ND	92.6	61-133	8.90	20	
Toluene	4.78	0.0250	5.00	ND	95.6	61-130	8.78	20	
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131	8.62	20	
p,m-Xylene	9.58	0.0500	10.0	ND	95.8	63-131	8.86	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.4	63-131	8.78	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.98*		*8.00*		*99.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:17:21PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321061-BLK1)									Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.17*		*8.00*		*89.6*	*70-130*			
LCS (2321061-BS2)									Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.20*		*8.00*		*90.1*	*70-130*			
Matrix Spike (2321061-MS2)				**Source: E305149-03**					Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.04*		*8.00*		*88.0*	*70-130*			
Matrix Spike Dup (2321061-MSD2)				**Source: E305149-03**					Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	40.9	20.0	50.0	ND	81.8	70-130	12.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.02*		*8.00*		*75.2*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:17:21PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321057-BLK1)									Prepared: 05/25/23 Analyzed: 05/25/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.8*		*50.0*		*114*	*50-200*			
LCS (2321057-BS1)									Prepared: 05/25/23 Analyzed: 05/25/23
Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132			
Surrogate: n-Nonane	*52.0*		*50.0*		*104*	*50-200*			
Matrix Spike (2321057-MS1)				**Source: E305146-01**					Prepared: 05/25/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132			
Surrogate: n-Nonane	*50.5*		*50.0*		*101*	*50-200*			
Matrix Spike Dup (2321057-MSD1)				**Source: E305146-01**					Prepared: 05/25/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	38-132	1.30	20	
Surrogate: n-Nonane	*52.0*		*50.0*		*104*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:17:21PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321082-BLK1)									Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	ND	20.0							
LCS (2321082-BS1)									Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2321082-MS1)				**Source: E305149-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	272	20.0	250	21.8	99.9	80-120			
Matrix Spike Dup (2321082-MSD1)				**Source: E305149-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	290	20.0	250	21.8	107	80-120	6.42	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:17

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

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

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

Project Information | Chain of Custody | Page 1 of

Client: WPX Energy Permian LLC.	**Bill To**	Lab Use Only	TAT / EPA Program
Project: RDX 16 #008	Attention: Jim Raley	Lab WO# E305151	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: 432-305-6415	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WO: 21141253		
Collected by: Edyte Konan	Incident ID: nAPP2307930900		

Analysis and Method: Depth(ft.); TPH GRO/DRO/ORO by 8015; BTEX by 8021; VOC by 8260; Metals 6010; Chloride 300.0; BGDOC NM; GDOC TX

State: NM CO UT AZ TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	BGDOC NM	GDOC TX	Remarks
11:40	5/22/2023	S	1	BH04	1	0.5'	X		
12:00	5/22/2023	S	1	BH04	2	4'	X		

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Edyte Konan	05/24/23	10:30	Michelle Gaydos	5-24-23	1030
Michelle Gaydos	5-24-23	1615	Andrew Mcsoo	5-24-23	1830
Andrew Mcsoo	5-24-23	2400	Cartha Man	5/25/23	8:20

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: 5/26/2023 1:58:43PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	05/25/23 08:20	Work Order ID:	E305151
Phone:	(539) 573-4018	Date Logged In:	05/24/23 16:20	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	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 #008
Work Order:	E305152
Job Number:	01058-007
Received:	5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/30/23

Date Reported: 5/30/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #008
Workorder: E305152
Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Alexa Michaels
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Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05 0.5'	E305152-01A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.
BH05 4'	E305152-02A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:18:51PM

BH05 0.5'

E305152-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Benzene	ND	0.0250	1	05/26/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/26/23	
Toluene	ND	0.0250	1	05/26/23	05/26/23	
o-Xylene	ND	0.0250	1	05/26/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/26/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2321081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/23	05/26/23	
Surrogate: n-Nonane		*93.6 %*	*50-200*	*05/26/23*	*05/26/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2321082
Chloride	ND	20.0	1	05/26/23	05/27/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:18:51PM

BH05 4'

E305152-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Benzene	ND	0.0250	1	05/26/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/26/23	
Toluene	ND	0.0250	1	05/26/23	05/26/23	
o-Xylene	ND	0.0250	1	05/26/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/26/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.6 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2321081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/23	05/26/23	
Surrogate: n-Nonane		*95.5 %*	*50-200*	*05/26/23*	*05/26/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2321082
Chloride	ND	20.0	1	05/26/23	05/27/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:18:51PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321067-BLK1)									Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.69*		*8.00*		*96.2*	*70-130*			
LCS (2321067-BS1)									Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.84	0.0250	5.00		96.7	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.17	0.0250	5.00		103	70-130			
o-Xylene	5.21	0.0250	5.00		104	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike (2321067-MS1)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.52	0.0250	5.00	ND	90.5	54-133			
Ethylbenzene	4.77	0.0250	5.00	ND	95.5	61-133			
Toluene	4.84	0.0250	5.00	ND	96.7	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.1	63-131			
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.2*	*70-130*			
Matrix Spike Dup (2321067-MSD1)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.10	0.0250	5.00	ND	81.9	54-133	9.94	20	
Ethylbenzene	4.34	0.0250	5.00	ND	86.7	61-133	9.63	20	
Toluene	4.39	0.0250	5.00	ND	87.9	61-130	9.60	20	
o-Xylene	4.43	0.0250	5.00	ND	88.6	63-131	10.1	20	
p,m-Xylene	8.83	0.0500	10.0	ND	88.3	63-131	9.41	20	
Total Xylenes	13.3	0.0250	15.0	ND	88.4	63-131	9.66	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.74*		*8.00*		*96.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:18:51PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321067-BLK1)									Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.1*	*70-130*			
LCS (2321067-BS2)									Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.24*		*8.00*		*90.5*	*70-130*			
Matrix Spike (2321067-MS2)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/27/23
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.3*	*70-130*			
Matrix Spike Dup (2321067-MSD2)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	14.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:18:51PM

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 (2321081-BLK1)									Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.5*		*50.0*		*97.1*	*50-200*			
LCS (2321081-BS1)									Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	*44.4*		*50.0*		*88.9*	*50-200*			
Matrix Spike (2321081-MS1)				**Source: E305155-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	302	25.0	250	37.4	106	38-132			
Surrogate: n-Nonane	*43.6*		*50.0*		*87.1*	*50-200*			
Matrix Spike Dup (2321081-MSD1)				**Source: E305155-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	307	25.0	250	37.4	108	38-132	1.63	20	
Surrogate: n-Nonane	*43.8*		*50.0*		*87.5*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:18:51PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321082-BLK1)									Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	ND	20.0							
LCS (2321082-BS1)									Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2321082-MS1)				**Source: E305149-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	272	20.0	250	21.8	99.9	80-120			
Matrix Spike Dup (2321082-MSD1)				**Source: E305149-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	290	20.0	250	21.8	107	80-120	6.42	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:18

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

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

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

Project Information | Chain of Custody | Page 1 of

Client: WPX Energy Permian LLC.	**Bill To**	Lab Use Only	TAT / EPA Program
Project: RDX 16 #008	Attention: Jim Raley	Lab WO# E305152	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: 432-305-6415	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WO: 21141253		
Collected by: Edyte Konan	Incident ID:		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
12:20	5/22/2023	S	1	BH05	1	0.5'								X				
12:40	5/22/2023	S	1	BH05	2	4'								X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Edyte Konan	05/24/23	10:30	Michelle Campbell	5.24.23	1030
Michelle Campbell	5.24.23	1815	Andrew Moss	5.24.23	1830
Andrew Moss	5.24.23	2400	Cathy Mar	5/25/23	8:20

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: 5/26/2023 1:59:59PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	05/25/23 08:20	Work Order ID:	E305152
Phone:	(539) 573-4018	Date Logged In:	05/25/23 08:27	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Client: WPX Energy Permian LLC.	Bill To	Lab Use Only	TAT / EPA Program
Project: RDX 16 #008	Attention: Jim Raley	Lab WO#: E305152	Job Number: 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		Standard: 5 day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		
Phone: 432-305-6415	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WO: 21141253		
Collected by: Edyte Konan	Incident ID: NAPP2307309OO		

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

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX	Remarks
12:20	5/22/2023	S	1	BH05	1	0.5'								X			Added Client # to COC per Gilbert. 5/26/23 CM
12:40	5/22/2023	S	1	BH05	2	4'								X			

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Edyte Konan	05/24/23	10:30	Michelle Gonzales	5-24-23	1030
Michelle Gonzales	5-24-23	1815	Andrew Mills	5-24-23	1830
Andrew Mills	5-24-23	2400	Caitlin Mars	5/25/23	8:20

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

Report to:

Gilbert Moreno

5796 U.S. Hwy 64
Farmington, NM 87401

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

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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #008

Work Order: E305153

Job Number: 01058-0007

Received: 5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/30/23

Date Reported: 5/30/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #008
Workorder: E305153
Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
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Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
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ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03 0.5'	E305153-01A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.
BH03 4'	E305153-02A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:20:20PM

BH03 0.5'

E305153-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Benzene	ND	0.0250	1	05/26/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/26/23	
Toluene	ND	0.0250	1	05/26/23	05/26/23	
o-Xylene	ND	0.0250	1	05/26/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/26/23	
Surrogate: 4-Bromochlorobenzene-PID		*94.7 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.4 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2321081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/23	05/26/23	
Surrogate: n-Nonane		*91.7 %*	*50-200*	*05/26/23*	*05/26/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2321083
Chloride	**161**	40.0	2	05/26/23	05/26/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:20:20PM

BH03 4'

E305153-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Benzene	ND	0.0250	1	05/26/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/26/23	
Toluene	ND	0.0250	1	05/26/23	05/26/23	
o-Xylene	ND	0.0250	1	05/26/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/26/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.9 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2321081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/23	05/26/23	
Surrogate: n-Nonane		*91.9 %*	*50-200*	*05/26/23*	*05/26/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2321083
Chloride	**21.8**	20.0	1	05/26/23	05/26/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:20:20PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321067-BLK1)									Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.69*		*8.00*		*96.2*	*70-130*			
LCS (2321067-BS1)									Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.84	0.0250	5.00		96.7	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.17	0.0250	5.00		103	70-130			
o-Xylene	5.21	0.0250	5.00		104	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike (2321067-MS1)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.52	0.0250	5.00	ND	90.5	54-133			
Ethylbenzene	4.77	0.0250	5.00	ND	95.5	61-133			
Toluene	4.84	0.0250	5.00	ND	96.7	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.1	63-131			
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.2*	*70-130*			
Matrix Spike Dup (2321067-MSD1)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.10	0.0250	5.00	ND	81.9	54-133	9.94	20	
Ethylbenzene	4.34	0.0250	5.00	ND	86.7	61-133	9.63	20	
Toluene	4.39	0.0250	5.00	ND	87.9	61-130	9.60	20	
o-Xylene	4.43	0.0250	5.00	ND	88.6	63-131	10.1	20	
p,m-Xylene	8.83	0.0500	10.0	ND	88.3	63-131	9.41	20	
Total Xylenes	13.3	0.0250	15.0	ND	88.4	63-131	9.66	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.74*		*8.00*		*96.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:20:20PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321067-BLK1)									Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.1*	*70-130*			
LCS (2321067-BS2)									Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.24*		*8.00*		*90.5*	*70-130*			
Matrix Spike (2321067-MS2)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/27/23
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.3*	*70-130*			
Matrix Spike Dup (2321067-MSD2)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	14.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:20:20PM

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 (2321081-BLK1)									Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.5*		*50.0*		*97.1*	*50-200*			
LCS (2321081-BS1)									Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	*44.4*		*50.0*		*88.9*	*50-200*			
Matrix Spike (2321081-MS1)				**Source: E305155-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	302	25.0	250	37.4	106	38-132			
Surrogate: n-Nonane	*43.6*		*50.0*		*87.1*	*50-200*			
Matrix Spike Dup (2321081-MSD1)				**Source: E305155-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	307	25.0	250	37.4	108	38-132	1.63	20	
Surrogate: n-Nonane	*43.8*		*50.0*		*87.5*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:20:20PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321083-BLK1)									Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	ND	20.0							
LCS (2321083-BS1)									Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2321083-MS1)				**Source: E305153-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	419	40.0	250	161	103	80-120			
Matrix Spike Dup (2321083-MSD1)				**Source: E305153-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	424	40.0	250	161	105	80-120	1.25	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 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:20

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

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

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

Client: WPX Energy Permian LLC.	**Bill To**	Lab Use Only	TAT: 1D / 2D / 3D / Standard — 5 day TAT
Project: RDX 16 #008	Attention: Jim Raley	Lab WO#: E305153 / Job Number: 01058-0007	EPA Program: CWA / SDWA / RCRA
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.	Analysis and Method	State: NM / CO / UT / AZ / TX
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		
Phone: 432-305-6415	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WO: 21141253		
Collected by: Edyte Konan	Incident ID: nAPP2307930900		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
11:00	5/22/2023	S	1	BH03	1	0.5'								X				
11:20	5/22/2023	S	1	BH03	2	4'								X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Edyte Konan	05/24/23	10:30	Michelle Gonzales	5-24-23	1030
Michelle Gonzales	5-24-23	1815	Andrew Musso	5-24-23	1830
Andrew Musso	5-24-23	2400	Caitlin Mars	5/25/23	8:20

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: 5/26/2023 2:01:02PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	05/25/23 08:20	Work Order ID:	E305153
Phone:	(539) 573-4018	Date Logged In:	05/25/23 08:29	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	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 #008
Work Order:	E305154
Job Number:	01058-0007
Received:	5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/30/23

Date Reported: 5/30/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #008
Workorder: E305154
Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 0.5'	E305154-01A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.
BH02 4'	E305154-02A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:25:21PM

BH02 0.5'

E305154-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Benzene	ND	0.0250	1	05/26/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/26/23	
Toluene	ND	0.0250	1	05/26/23	05/26/23	
o-Xylene	ND	0.0250	1	05/26/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/26/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.6 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.8 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2321081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/23	05/26/23	
Surrogate: n-Nonane		*92.0 %*	*50-200*	*05/26/23*	*05/26/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2321083
Chloride	**278**	20.0	1	05/26/23	05/26/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:25:21PM

BH02 4'

E305154-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Benzene	ND	0.0250	1	05/26/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/26/23	
Toluene	ND	0.0250	1	05/26/23	05/26/23	
o-Xylene	ND	0.0250	1	05/26/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/26/23	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.6 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2321081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/23	05/26/23	
Surrogate: n-Nonane		*93.1 %*	*50-200*	*05/26/23*	*05/26/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2321083
Chloride	**34.1**	20.0	1	05/26/23	05/26/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:25:21PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321067-BLK1)									Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.69*		*8.00*		*96.2*	*70-130*			
LCS (2321067-BS1)									Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.84	0.0250	5.00		96.7	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.17	0.0250	5.00		103	70-130			
o-Xylene	5.21	0.0250	5.00		104	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike (2321067-MS1)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.52	0.0250	5.00	ND	90.5	54-133			
Ethylbenzene	4.77	0.0250	5.00	ND	95.5	61-133			
Toluene	4.84	0.0250	5.00	ND	96.7	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.1	63-131			
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.2*	*70-130*			
Matrix Spike Dup (2321067-MSD1)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.10	0.0250	5.00	ND	81.9	54-133	9.94	20	
Ethylbenzene	4.34	0.0250	5.00	ND	86.7	61-133	9.63	20	
Toluene	4.39	0.0250	5.00	ND	87.9	61-130	9.60	20	
o-Xylene	4.43	0.0250	5.00	ND	88.6	63-131	10.1	20	
p,m-Xylene	8.83	0.0500	10.0	ND	88.3	63-131	9.41	20	
Total Xylenes	13.3	0.0250	15.0	ND	88.4	63-131	9.66	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.74*		*8.00*		*96.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:25:21PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321067-BLK1)									Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.1*	*70-130*			
LCS (2321067-BS2)									Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.24*		*8.00*		*90.5*	*70-130*			
Matrix Spike (2321067-MS2)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/27/23
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.3*	*70-130*			
Matrix Spike Dup (2321067-MSD2)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	14.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:25:21PM

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 (2321081-BLK1)									Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.5*		*50.0*		*97.1*	*50-200*			
LCS (2321081-BS1)									Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	*44.4*		*50.0*		*88.9*	*50-200*			
Matrix Spike (2321081-MS1)				**Source: E305155-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	302	25.0	250	37.4	106	38-132			
Surrogate: n-Nonane	*43.6*		*50.0*		*87.1*	*50-200*			
Matrix Spike Dup (2321081-MSD1)				**Source: E305155-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	307	25.0	250	37.4	108	38-132	1.63	20	
Surrogate: n-Nonane	*43.8*		*50.0*		*87.5*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:25:21PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321083-BLK1)									Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	ND	20.0							
LCS (2321083-BS1)									Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2321083-MS1)				**Source: E305153-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	419	40.0	250	161	103	80-120			
Matrix Spike Dup (2321083-MSD1)				**Source: E305153-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	424	40.0	250	161	105	80-120	1.25	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 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:25

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

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

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

Client: WPX Energy Permian LLC.	Bill To	Lab Use Only		TAT				EPA Program	
Project: RDX 16 #008	Attention: Jim Raley	Lab WO# E305154	Job Number 01058-0007	1D	2D	3D	Standard	CWA	SDWA
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.						5 day TAT		
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220	Analysis and Method							RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502								
Phone: 432-305-6415	Email: jim.raley@dvn.com							State	
Email: Devon-team@etechenv.com	WO: 21141253							NM CO UT AZ TX	
Collected by: Edyte Konan	Incident ID: nAPP2307930900								

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
10:20	5/22/2023	S	1	BH02	1	0.5'								X				
10:40	5/22/2023	S	1	BH02	2	4'								X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Edyte Konan	05/24/23	10:30	Michelle Campos	5-24-23	1030
Michelle Campos	5-24-23	1815	Hilrew Mesa	5.24.23	1830
Hilrew Mesa	5.24.23	2400	Cathe Marr	5/25/23	8:20

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: 5/26/2023 2:01:43PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	05/25/23 08:20	Work Order ID:	E305154
Phone:	(539) 573-4018	Date Logged In:	05/25/23 08:30	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	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 #008
Work Order:	E305155
Job Number:	01058-0007
Received:	5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/30/23

Date Reported: 5/30/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #008
Workorder: E305155
Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Alexa Michaels
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labadmin@envirotech-inc.com

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ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:15

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 12'	E305155-01A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:15:06PM

BH01 12'

E305155-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Benzene	ND	0.0250	1	05/26/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/26/23	
Toluene	ND	0.0250	1	05/26/23	05/26/23	
o-Xylene	ND	0.0250	1	05/26/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/26/23	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2321081
Diesel Range Organics (C10-C28)	**37.4**	25.0	1	05/26/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/23	05/26/23	
Surrogate: n-Nonane		*87.8 %*	*50-200*	*05/26/23*	*05/26/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2321083
Chloride	**861**	20.0	1	05/26/23	05/26/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:15:06PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321067-BLK1)									Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.69*		*8.00*		*96.2*	*70-130*			
LCS (2321067-BS1)									Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.84	0.0250	5.00		96.7	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.17	0.0250	5.00		103	70-130			
o-Xylene	5.21	0.0250	5.00		104	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike (2321067-MS1)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.52	0.0250	5.00	ND	90.5	54-133			
Ethylbenzene	4.77	0.0250	5.00	ND	95.5	61-133			
Toluene	4.84	0.0250	5.00	ND	96.7	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.1	63-131			
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.2*	*70-130*			
Matrix Spike Dup (2321067-MSD1)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.10	0.0250	5.00	ND	81.9	54-133	9.94	20	
Ethylbenzene	4.34	0.0250	5.00	ND	86.7	61-133	9.63	20	
Toluene	4.39	0.0250	5.00	ND	87.9	61-130	9.60	20	
o-Xylene	4.43	0.0250	5.00	ND	88.6	63-131	10.1	20	
p,m-Xylene	8.83	0.0500	10.0	ND	88.3	63-131	9.41	20	
Total Xylenes	13.3	0.0250	15.0	ND	88.4	63-131	9.66	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.74*		*8.00*		*96.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:15:06PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321067-BLK1)									Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.1*	*70-130*			
LCS (2321067-BS2)									Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.24*		*8.00*		*90.5*	*70-130*			
Matrix Spike (2321067-MS2)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/27/23
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.3*	*70-130*			
Matrix Spike Dup (2321067-MSD2)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	14.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:15:06PM

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 (2321081-BLK1)									Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.5*		*50.0*		*97.1*	*50-200*			
LCS (2321081-BS1)									Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	*44.4*		*50.0*		*88.9*	*50-200*			
Matrix Spike (2321081-MS1)				**Source: E305155-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	302	25.0	250	37.4	106	38-132			
Surrogate: n-Nonane	*43.6*		*50.0*		*87.1*	*50-200*			
Matrix Spike Dup (2321081-MSD1)				**Source: E305155-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	307	25.0	250	37.4	108	38-132	1.63	20	
Surrogate: n-Nonane	*43.8*		*50.0*		*87.5*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:15:06PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321083-BLK1)									Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	ND	20.0							
LCS (2321083-BS1)									Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2321083-MS1)				**Source: E305153-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	419	40.0	250	161	103	80-120			
Matrix Spike Dup (2321083-MSD1)				**Source: E305153-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	424	40.0	250	161	105	80-120	1.25	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 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:15

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

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

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

Client: WPX Energy Permian LLC.	Bill To	Lab Use Only	TAT	EPA Program
Project: RDX 16 #008	Attention: Jim Raley	Lab WO# E305155	Job Number 01058-0007	1D 2D 3D Standard: 5 day TAT	CWA SDWA
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.			RCRA
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220			State: NM CO UT AZ TX
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502			
Phone: 432-305-6415	Email: jim.raley@dvn.com			
Email: Devon-team@etechenv.com	WO: 21141253			
Collected by: Edyte Konan	Incident ID: nAPP2307930900			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
10:00	5/22/2023	S	1	BH01	1	12'								X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Edyte Konan	05/24/23	10:30	Michelle Campos	5-24-23	1030
Michelle Campos	5-24-23	1515	Andrew McSoo	5-24-23	1830
Andrew McSoo	5-24-23	2400	Cantha Mann	5/25/23	8:20

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: 5/26/2023 2:02:26PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	05/25/23 08:20	Work Order ID:	E305155
Phone:	(539) 573-4018	Date Logged In:	05/25/23 08:31	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	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 #008
Work Order:	E305156
Job Number:	01058-0007
Received:	5/25/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/2/23

Date Reported: 6/2/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #008
Workorder: E305156
Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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ljarboe@envirotech-inc.com

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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/02/23 12:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 7'	E305156-01A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/2/2023 12:28:33PM

BH01 7'

E305156-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Benzene	ND	0.0250	1	05/26/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/26/23	
Toluene	ND	0.0250	1	05/26/23	05/26/23	
o-Xylene	ND	0.0250	1	05/26/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/26/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2321081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/23	05/26/23	
Surrogate: n-Nonane		*87.4 %*	*50-200*	*05/26/23*	*05/26/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2321083
Chloride	**666**	20.0	1	05/26/23	05/26/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/2/2023 12:28:33PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321067-BLK1)									Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.69*		*8.00*		*96.2*	*70-130*			
LCS (2321067-BS1)									Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.84	0.0250	5.00		96.7	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.17	0.0250	5.00		103	70-130			
o-Xylene	5.21	0.0250	5.00		104	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike (2321067-MS1)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.52	0.0250	5.00	ND	90.5	54-133			
Ethylbenzene	4.77	0.0250	5.00	ND	95.5	61-133			
Toluene	4.84	0.0250	5.00	ND	96.7	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.1	63-131			
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.2*	*70-130*			
Matrix Spike Dup (2321067-MSD1)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.10	0.0250	5.00	ND	81.9	54-133	9.94	20	
Ethylbenzene	4.34	0.0250	5.00	ND	86.7	61-133	9.63	20	
Toluene	4.39	0.0250	5.00	ND	87.9	61-130	9.60	20	
o-Xylene	4.43	0.0250	5.00	ND	88.6	63-131	10.1	20	
p,m-Xylene	8.83	0.0500	10.0	ND	88.3	63-131	9.41	20	
Total Xylenes	13.3	0.0250	15.0	ND	88.4	63-131	9.66	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.74*		*8.00*		*96.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/2/2023 12:28:33PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321067-BLK1)									Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.1*	*70-130*			
LCS (2321067-BS2)									Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.24*		*8.00*		*90.5*	*70-130*			
Matrix Spike (2321067-MS2)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/27/23
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.3*	*70-130*			
Matrix Spike Dup (2321067-MSD2)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	14.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/2/2023 12:28:33PM

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 (2321081-BLK1)									Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.5*		*50.0*		*97.1*	*50-200*			
LCS (2321081-BS1)									Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	*44.4*		*50.0*		*88.9*	*50-200*			
Matrix Spike (2321081-MS1)				**Source: E305155-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	302	25.0	250	37.4	106	38-132			
Surrogate: n-Nonane	*43.6*		*50.0*		*87.1*	*50-200*			
Matrix Spike Dup (2321081-MSD1)				**Source: E305155-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	307	25.0	250	37.4	108	38-132	1.63	20	
Surrogate: n-Nonane	*43.8*		*50.0*		*87.5*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/2/2023 12:28:33PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321083-BLK1)									Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	ND	20.0							
LCS (2321083-BS1)									Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2321083-MS1)				**Source: E305153-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	419	40.0	250	161	103	80-120			
Matrix Spike Dup (2321083-MSD1)				**Source: E305153-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	424	40.0	250	161	105	80-120	1.25	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 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/02/23 12:28

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

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

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

Client: WPX Energy Permian LLC.	
Project: RDX 16 #008	
Project Manager: Gilbert Moreno	
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	
Phone: 432-305-6415	
Email: Devon-team@etechenv.com	
Collected by: Edyte Konan	

Bill To	Lab Use Only		TAT				EPA Program	
Attention: Jim Raley	Lab WO# E305156	Job Number 01058-0007	1D	2D	3D	Standard	CWA	SDWA
Address: 5315 Buena Vista Dr.						5 day TAT		
City, State, Zip: Carlsbad, NM, 88220	Analysis and Method							RCRA
Phone: 575-885-7502								
Email: jim.raley@dvn.com							State	
WO: 21141253							NM CO UT AZ TX	
Incident ID: nAPP2307930900								

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
9:40	5/22/2023	S	1	BH01	1	7'								X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Edyte Konan	05/24/23	10830	Michelle Campos	5-24-23	1030
Michelle Campos	5-24-23	1515	Andrew McGee	5-24-23	1830
Andrew McGee	5-24-23	2400	Cathe Mara	5/25/23	8:20

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: 5/26/2023 2:03:10PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	05/25/23 08:20	Work Order ID:	E305156
Phone:	(539) 573-4018	Date Logged In:	05/25/23 08:32	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	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 #008
Work Order:	E305157
Job Number:	01058-0007
Received:	5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/31/23

Date Reported: 5/31/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #008
Workorder: E305157
Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/31/23 12:56

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 0.5'	E305157-01A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.
BH01 4'	E305157-02A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/31/2023 12:56:56PM

BH01 0.5'

E305157-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Benzene	ND	0.0250	1	05/26/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/26/23	
Toluene	ND	0.0250	1	05/26/23	05/26/23	
o-Xylene	ND	0.0250	1	05/26/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/26/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.8 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2321081
Diesel Range Organics (C10-C28)	**32.7**	25.0	1	05/26/23	05/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/23	05/27/23	
Surrogate: n-Nonane		*81.2 %*	*50-200*	*05/26/23*	*05/27/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2321083
Chloride	**5290**	40.0	2	05/26/23	05/30/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/31/2023 12:56:56PM

BH01 4'

E305157-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Benzene	ND	0.0250	1	05/26/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/26/23	
Toluene	ND	0.0250	1	05/26/23	05/26/23	
o-Xylene	ND	0.0250	1	05/26/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/26/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2321067
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.9 %*	*70-130*	*05/26/23*	*05/26/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2321081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/23	05/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/23	05/27/23	
Surrogate: n-Nonane		*87.6 %*	*50-200*	*05/26/23*	*05/27/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2321083
Chloride	**1510**	20.0	1	05/26/23	05/26/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/31/2023 12:56:56PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321067-BLK1)									Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.69*		*8.00*		*96.2*	*70-130*			
LCS (2321067-BS1)									Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.84	0.0250	5.00		96.7	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.17	0.0250	5.00		103	70-130			
o-Xylene	5.21	0.0250	5.00		104	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike (2321067-MS1)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.52	0.0250	5.00	ND	90.5	54-133			
Ethylbenzene	4.77	0.0250	5.00	ND	95.5	61-133			
Toluene	4.84	0.0250	5.00	ND	96.7	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.1	63-131			
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.2*	*70-130*			
Matrix Spike Dup (2321067-MSD1)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/26/23
Benzene	4.10	0.0250	5.00	ND	81.9	54-133	9.94	20	
Ethylbenzene	4.34	0.0250	5.00	ND	86.7	61-133	9.63	20	
Toluene	4.39	0.0250	5.00	ND	87.9	61-130	9.60	20	
o-Xylene	4.43	0.0250	5.00	ND	88.6	63-131	10.1	20	
p,m-Xylene	8.83	0.0500	10.0	ND	88.3	63-131	9.41	20	
Total Xylenes	13.3	0.0250	15.0	ND	88.4	63-131	9.66	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.74*		*8.00*		*96.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/31/2023 12:56:56PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321067-BLK1)									Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.1*	*70-130*			
LCS (2321067-BS2)									Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.24*		*8.00*		*90.5*	*70-130*			
Matrix Spike (2321067-MS2)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/27/23
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.3*	*70-130*			
Matrix Spike Dup (2321067-MSD2)				**Source: E305152-02**					Prepared: 05/25/23 Analyzed: 05/26/23
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	14.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/31/2023 12:56:56PM

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 (2321081-BLK1)									Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.5*		*50.0*		*97.1*	*50-200*			
LCS (2321081-BS1)									Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	*44.4*		*50.0*		*88.9*	*50-200*			
Matrix Spike (2321081-MS1)				**Source: E305155-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	302	25.0	250	37.4	106	38-132			
Surrogate: n-Nonane	*43.6*		*50.0*		*87.1*	*50-200*			
Matrix Spike Dup (2321081-MSD1)				**Source: E305155-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Diesel Range Organics (C10-C28)	307	25.0	250	37.4	108	38-132	1.63	20	
Surrogate: n-Nonane	*43.8*		*50.0*		*87.5*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/31/2023 12:56:56PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2321083-BLK1)									Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	ND	20.0							
LCS (2321083-BS1)									Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2321083-MS1)				**Source: E305153-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	419	40.0	250	161	103	80-120			
Matrix Spike Dup (2321083-MSD1)				**Source: E305153-01**					Prepared: 05/26/23 Analyzed: 05/26/23
Chloride	424	40.0	250	161	105	80-120	1.25	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 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/31/23 12:56

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

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

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

Project Information | Chain of Custody | Page 1 of

Client: WPX Energy Permian LLC.	**Bill To**	Lab Use Only	TAT / EPA Program
Project: RDX 16 #008	Attention: Jim Raley	Lab WO# E305157	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	Analysis and Method	State: NM CO UT AZ TX
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		
Phone: 432-305-6415	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WO: 21141253		
Collected by: Edyte Konan	Incident ID: nAPP2307930900		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
9:00	5/22/2023	S	1	BH01	1	0.5'								X				
9:20	5/22/2023	S	1	BH01	2	4'								X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Edyte Konan	05/24/23	10:30	Michelle Cerys	5-24-23	1030
Michelle Cerys	5-24-23	1815	Andrew Musso	5.24.23	1830
Andrew Musso	5.24.23	2400	Caitlin Mars	5/25/23	8:20

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: 5/26/2023 2:03:56PM

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:	05/25/23 08:20	Work Order ID:	E305157
Phone:	(539) 573-4018	Date Logged In:	05/25/23 08:33	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

APPENDIX G

NMOCD Notifications

Anna Byers

From: Joseph Hernandez
Sent: Friday, June 9, 2023 1:02 PM
To: Anna Byers
Subject: FW: WPX Site Sampling Update (5/22 - 5/26/2023)

From: Erick Herrera <erick@etechenv.com>
Sent: Wednesday, May 17, 2023 5:14 PM
To: OCD.Enviro@emnrd.nm.gov; blm_nm_cfo_spill@blm.gov
Cc: jim.raley@dvn.com; Devon-Team <Devon-Team@etechenv.com>
Subject: WPX Site Sampling Update (5/22 - 5/26/2023)

Good afternoon,

WPX anticipates conducting confirmation soil sampling activities at the following site between May 22 – May 26, 2023:

Site Name: RDX 16-#008
API: 30-015-39751
Incident Number: nAPP2307930900

Thank you,

Erick Herrera
Staff Geologist

eTECH Environmental & Safety Solutions, Inc.

Work: (432) 305-6416
Cell: (281) 777-4152

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2307930900
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

☒ Detailed description of proposed remediation technique
☒ Scaled sitemap with GPS coordinates showing delineation points
☒ Estimated volume of material to be remediated
☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
☒ 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: 6/13/2023

email: Jim.Raley@dvn.com Telephone: 575-689-7597

OCD Only

Received by: Jocelyn Harimon Date: 06/13/2023

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Robert Hamlet Date: 11/14/2023

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

Action 227084

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	246289
	Action Number: 227084
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. Due to the sensitive nature of the release location and the site being located within a 100-year floodplain, the site will need to be remediated to the strictest closure criteria from Table 1 of the OCD Spill Rule. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. 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. All sidewall samples should be taken from the sidewall of the excavation. Please make sure that the edge of the release extent is accurately defined. Please collect confirmation samples, representing no more than 200 ft2. The work will need to occur in 90 days after the report has been reviewed.	11/14/2023