

SITE CHARACTERIZATION AND REMEDIATION PLAN ADDENDUM

Prepared For:

WPX Energy Permian, LLC 5315 Buena Vista Dr. Carlsbad, NM 88220

Site Information:

East Pecos 22-3 Produced Water Gathering Line Incident Numbers nAB1614039576 & nAB1616628496

Unit C Section 35, Township 26 South, Range 29 East

Eddy County, New Mexico

(32.004234, -103.955950)

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SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of WPX Energy Permian, LLC (WPX), presents the following Site Characterization and Remediation Plan Addendum (SCRPA) detailing site assessment and delineation soil sampling activities associated with two overlapping inadvertent releases of produced water at the East Pecos 22-3 Produced Water Gathering Line (Site) (**Figure 1** in **Appendix A**). WPX proposes this SCRPA, which summarizes completed remediation activities and details remediation objectives to rectify environmental impacts at the Site, in accordance with re-evaluated Site Closure Criteria.

SITE LOCATION AND RELEASE BACKGROUND

The Site is located in Unit C, Section 35, Township 26 South, Range 29 East, in Eddy County, New Mexico (32.004234°, -103.955950°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land management (BLM).

nAB1614039576

On April 15, 2016, it was discovered that a produced water gathering line failure resulted in approximately 55 barrels (bbls) of produced water to be released onto a Right-of-Way (ROW) and travel west, intersecting a lease road and another ROW south of the lease road. No fluids were able to be recovered. On May 16, 2016, the New Mexico Oil Conservation Division (NMOCD) and BLM were notified. WPX reported the release to the NMOCD on a Release Notification and Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on May 18, 2016, and was assigned Incident Number nAB1614039576. The observed extent of the release is presented in **Figure 2** in **Appendix A**.

nAB1616628496

On June 9, 2016, it was discovered that the produced water gathering line associated with Incident Number nAB1614039576 failed again and resulted in approximately 15 barrels (bbls) of produced water to be released and follow the same flow path as Incident Number nAB1614039576. On the same day as the release discovery, immediate notice was given to the NMOCD and the BLM. WPX reported the release to the NMOCD on a Form C-141, which was received by the NMOCD on June 13, 2016, and was assigned Incident Number nAB1616628496. The observed extent of the release is also presented in **Figure 2** in **Appendix A**.

In May, June and November 2016, a third-party environmental contractor conducted soil sampling in attempt to characterize and delineate the overlapping releases, henceforth referred to as the Area of Concern (AOC). Based on laboratory analytical results from the sampling events and the location of the AOC, WPX submitted a deferral request for the Incident Numbers nAB1614039576 and nAB1616628496 on August 16, 2018, proposing to leave residual impacted soil in place around existing infrastructure on the ROW. On August 20, 2018, the NMOCD denied the deferral report, due to incomplete delineation. As a result, Etech has provided semi-regular updates and notifications to the NMOCD via email detailing notable Site progress.

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 closest continuously flowing or significant water course to the Site appeared to be an ephemeral stream identified on the United States Fish and Wildlife Service (USFWS) online database, National Wetland Inventory (Wetland Mapper), located to the west within 300 feet of the Site. The Wetland Mapper identifies the closest wetland as a riverine (R4SBJ) located within 300 feet west of the Site. However, according to the New Mexico Environment Department (NMED) and Surface Water Quality Bureau (SWQB), more recent and comprehensive wetland inventory maps¹ have been developed through the state of New Mexico as part of an ongoing effort to accurately document all wetlands across the state. The NMED Wetlands program has been updating the New Mexico Wetland inventory since 2011. These updated maps are available through NMED's resources and is a more recent wetland identifier and more specifically focused on New Mexico's environmental features. Based on the NMED mapper, no riverine or wetland features are displayed within 300 feet of the Site. The absence of such features on the NMED layer suggests that the Wetland Mapper's classification may not accurately represent the true environmental conditions at the Site. The updated wetland mapper used to identify wetlands at the Site can be referenced in Figure 1B (I) in Appendix A. A full report of how the NMED and SWQB maps and classifies wetlands can be referenced in Appendix B.

The closest identified blue dashed line on the USGS map is located approximately 1.65 miles southeast of the Site (**Figure 1** in **Appendix A**). As per Subsection P of NMAC 19.15.17.7, a significant watercourse requires "[...] a defined bed and bank either named or identified by a dashed blue line on a USGS 7.5-minute quadrangle map or the next lower order tributary with a defined bed and bank of such watercourse". As such, the identified feature on the USFWS Site does not appear to meet one or more of the remaining qualifications of a significant watercourse as defined in Subsection P of NMAC 19.15.17.7.

On April 29, 2025, Etech conducted a field investigation to validate the presence or absence of a significant watercourse within 300 feet of the release extent boundary according to the parameters set forth in Subsection P of NMAC 19.15.17.7. A bed and bank were not identified throughout the course of the field survey of the potential watercourse. Only faint erosional paths or swales aligned with the topographic gradient were observed. Additionally, the features did not appear to connect to a larger watercourse as the feature is intersected by access roads, well pads, and multiple pipeline Right-of-Ways (ROW) visible on a satellite aerial imagery. There was no evidence of fluvial deposition inside the faint erosional features, instead it splayed out onto the desert floor. As such, the feature identified by Wetland Mapper does not appear to meet either of the requirements of a "significant watercourse" according to Subsection P of NMAC 19.15.17.7, therefore no significant watercourse lies within 300 feet of the Site. Aerial imagery and photographic evidence from the field survey are provided in **Figure 3** in **Appendix A**.

Based on the initial desktop review of the current BLM Carlsbad Field Office (CFO) karst potential map, this Site is located in a high potential karst area; however, no voids were encountered during all drilling activities for boreholes advanced within or adjacent to the Site, up to 55 feet bgs. As such, surface and subsurface instability appeared unlikely. As requested by the NMOCD when pursuing a deviation

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¹ Exploring Southeastern New Mexico Wetlands



from the most stringent closure criteria in a critical/high/medium karst potential occurrence zone, WPX respectfully feels the obligation to provide verification that the Site where the subject releases occurred is not "unstable" has been met by combined methods of geotechnical drilling and subsequent aerial and geophysical electro-resistivity surveys. "Unstable area" as defined by 19.15.2 NMAC through 19.15.39 NMAC and more recently via the NMOCD Karst Public Notice is a "location that is susceptible to natural or human-induced events or forces capable of impairing the integrity of some or all a division-approved facility's structural components. Examples of unstable areas are areas of poor foundation conditions, areas susceptible to mass earth movements and karst terrain areas where karst topography is developed because of dissolution of limestone, dolomite or other soluble rock. Characteristic physiographic features of karst terrain include sinkholes, sinking streams, caves, large springs and blind valleys."

In February of 2025, WPX retained BLM approved karst contractor, Dave Decker, PhD, with Southwest Geophysical Consulting, LLC to conduct an Environmental Karst Study, which included both aerial and geophysical assessments. The survey concluded:

- No surface karst features existed within 200 feet of the Site, and
- No shallow anomalies such as large voids or related karst features were detected within the survey area.

With no surface or subsurface karst features identified within proximity of the Site and the interpreted "flat-lying" stratigraphy beneath the Site, the Site was considered as stable ground. The full report, recorded as Environmental Karst Study Report, is included **Appendix C**.

Depth to groundwater at the Site is estimated to be between 51 and 100 feet below ground surface (bgs) based a recent measurement of a nearby well on the JC Williams Yard owned by WPX, located approximately ½ mile northwest of the Site. The well does not appear to have an identification number corresponding to the New Mexico Office of the State Engineer (NMOSE) or United States Geological Survey (USGS) well records. However, a depth to groundwater measurement at the well was obtained on August 15, 2022, and measured 82.9 feet bgs. A second, more recent measurement was obtained by Etech on August 25, 2025, with a reported depth of 84.4 feet bgs. The location of the JC Williams well is provided in **Figure 1A** in **Appendix A**. The current well record referenced for depth to groundwater determination is included in **Appendix D**.

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 1A**, **Figure 1B**, **1B** (**I**) and **Figure 1C** in **Appendix A**.

Based on the results from the desktop review, Environmental Karst Study, and the estimated 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	10,000 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	2,500 mg/kg
TPH-Gasoline Range Organics (GRO) + TPH-Diesel Range Organics (DRO)	EPA 8015 M/D	1,000 mg/kg
Benzene	EPA 8021B or EPA 8260B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B or EPA 8260B	50 mg/kg

Soil sample was collected in the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13, if exceeding the reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH



DELINEATION SOIL SAMPLING AND LABORATORY ANALYTICAL RESULTS

From May 2024 through November 2024, Etech conducted delineation soil sampling activities to identify the vertical and horizontal extents of the AOC. Thirteen delineation borings (BH01 and BH13) were advanced via hand auger and/or sonic rig, which were driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Soil samples were collected in 2-foot intervals and up to 55 feet bgs from each delineation soil sampling location for laboratory analyses (representing at minimum the highest observed field screening concentrations and the greatest depth). Field screening results and soil descriptions from all delineation activities are included on soil sampling logs shown in **Appendix E**. The locations of the delineation soil samples are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix F**.

Delineation soil samples were placed directly into lab provided pre-cleaned jars, packed with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures, to Envirotech, Inc. (Envirotech) in Farmington, New Mexico, for analysis of COCs.

The results from delineation activities indicated that further investigation was required to complete horizontal delineation of chlorides, so Etech continued additional delineation soil activities to assess the horizontal periphery of soil impacts from June to July 2025. Twenty delineation soil samples (BH14-BH31) advanced via hand auger were driven by field screening soil samples as previously described. Field screening results and soil descriptions were denoted on soil sampling logs, which are included as **Appendix E**. The locations of the delineation soil samples were mapped with a handheld GPS and are shown in **Figure 2** in **Appendix A**. Photographic documentation during continued delineation activities is included in **Appendix F**.

The additional delineation soil samples were collected and handled as previously described. The soil samples were transported under strict chain-of-custody procedures, to Envirotech Analytical Laboratory (Envirotech) in Farmington, New Mexico, for analysis of COCs.

Laboratory analytical results indicated COC concentrations for all soil samples collected outside of the AOC are below the applicable Site Closure Criteria, and COC concentrations for the soil samples collected within the AOC exceed the applicable Site Closure Criteria up to 4 feet bgs, Laboratory analytical results are summarized in Table 1 in **Attachment G**, and the complete laboratory reports with chain-of-custody documentation is included in **Attachment H**.

PROPOSED REMEDIATION WORK PLAN AND SCHEDULE

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

- The Site is in a high karst potential area designated by the BLM; however, no subsurface voids
 were encountered during drilling activities and an Environmental Karst Study, performed by
 Southwest Geophysical Consulting, LLC, concluded that the Site is stable.
- Based on an extensive desktop review and field verification, no sensitive receptors were identified within proximity of the Site.
- The AOC has been fully delineated in accordance with the proposed Site Closure Criteria and the reclamation standard.

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

 Excavation(s) will be guided by referencing delineation laboratory analytical results and ongoing field screening. This will ensure that the excavation advances laterally and vertically until either



the Site Closure Criteria and/or reclamation standard is achieved, or until the Maximum Extent Practical (MEP). The proposed excavation extent can be referenced on **Figure 4** in **Appendix A**. However, advancement of the excavation may be inhibited by active production equipment or utilities, in which case, WPX may implement encroachment requirements for the health and safety of on-site personnel. Such restrictions include:

- Altering the proposed excavation extent(s) in order to maintain surface and/or subsurface utility and/or production equipment stability.
- The proposed excavation(s) will likely require third-party operator oversight and additional safety measures near their respective subsurface pipelines before or during excavation activities. The third-party operator may implement additional safety precautions at their company's discretion for the health and safety of on-site personnel and for the structural integrity of utilities. In such an event, WPX will acquire a written acknowledgement from said third-party operator to assume responsibility to remediate residually impacted soils left in place surrounding the respective utility(s). Such restrictions include but are not limited to:
 - Shifting the proposed excavation extent(s) to adhere to established buffer zone(s) around one or more utilities.
- Because the proposed excavation intersects a heavily trafficked lease road, WPX requests a variance, WPX respectfully requests a variance for the removal or deconstruction of State Line Road. State Line Road serves as the main access route and is a critical infrastructure component, providing primary access to multiple facilities and leasehold operations and must accommodate local emergency vehicle access requirements and operator response. Blocking or restricting access along State Land Road would impede emergency response efforts and could pose safety risks to personnel and facilities. Therefore, WPX proposes to scrape the road surface approximately 2 to 3 inches bgs and collect 5-point composite soil samples throughout the scraped area.
 - i. WPX believes the proposed action is equally protective of human health the environment and groundwater, as the release showed minimal impact due to hard packed soil on the roadway, which minimizes vertical infiltration. The majority of the road will remain intact, preserving emergency access and reducing disruption to operations. Impacted soil appears to be shallow, where depth to groundwater was determined to be greater than 55 feet bgs.
- Following the completion of excavation activities, 5-point composite confirmation soil samples will be collected from the excavation floor and sidewalls. Confirmation soil samples will be collected, handled, and analyzed for COCs by an accredited laboratory as previously described.
 - i. Due to the large excavation(s) square footage (37,313 square feet) WPX requests a sampling variance of which confirmation soil samples represent a maximum of 400 square feet per soil samples. As such, 94 samples are anticipated to be collected from the excavation(s) floors compared to 186 soil samples following the standard 200 square foot soil sampling frequency. The sampling frequency for the sidewalls/edge will remain at 200 square feet.
- The proposed excavation(s) located north and south of State Line Road will be immediately reclaimed following remediation and recontoured to return the Site "as close as possible" to its original condition. The final soil cover will be contoured to match the Site's pre-existing grade to prevent ponding of water and erosion and blend in with the surrounding contours. Additional Site-specific erosion control Best Management Practices (BMPs) will be implemented to prevent stormwater discharges from the disturbance, if determined necessary during regularly scheduled



vegetation Site assessments. BLM Approved Seed Mixture will be hand-broadcasted over the area in the next favorable growing season following BLM revegetation techniques. The selected BLM seed blend will provide the maximum results of vegetation regrowth and ground surface coverage to match pre-existing conditions at the Site.

- Upon receipt and review of excavation confirmation soil sample laboratory analytical results, WPX will determine the appropriate measure of corrective actions that will include:
 - Documenting the removal of impacted soil and restoration at the Site with a subsequent Deferral Report detailing impacted soil to remain in place, assessment, karst survey results, the amount of and correspondence from the BLM, sampling activities, and Site restoration activities including, but not limited to backfilling the excavation with clean, locally sourced soil and restored to "as close to its original state as possible."

- or -

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

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

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (281) 702-2329 or joseph@etechenv.com or Erick Herrera at (432) 305-6416 or erick@etechenv.com. **Appendix I** provides correspondence and notification receipts associated with the subject release.

Sincerely,

Etech Environmental and Safety Solutions, Inc.

Erick Herrera

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Lead Project Geologist

Joseph S. Hernandez Senior Managing Geologist

cc:

Jim Raley, WPX

New Mexico Oil Conservation Division

Bureau of Land Management



Appendices:

Appendix A Figure 1: Site Location Map

Figure 1A: Site Characterization Map – Groundwater

Figure 1B: Site Characterization Map – Surficial Receptors
Figure 1B (I) Site Characterization Map – Surficial Receptors

Figure 1C: Site Characterization Map – Karst Potential

Figure 2: Delineation Soil Sample Locations

Figure 3: Watercourse Survey

Figure 4: Proposed Excavation Areas

Appendix B NMED Reference Mapping and Classification of Wetlands in the Eastern Plains of

New Mexico

Appendix C Environmental Karst Study Report

Appendix D Referenced Well Records

Appendix E Soil Sampling Logs
Appendix F Photographic Log

Appendix G Tables

Appendix H Laboratory Analytical Reports & Chain-of-Custody Documentation

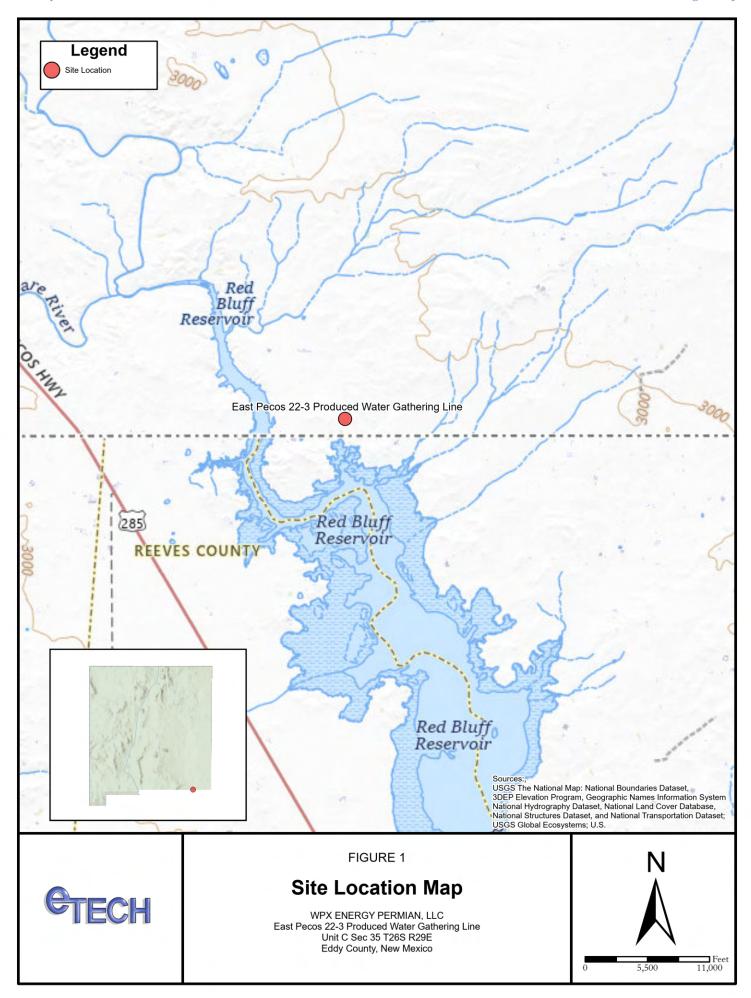
Appendix I Correspondence & Notifications

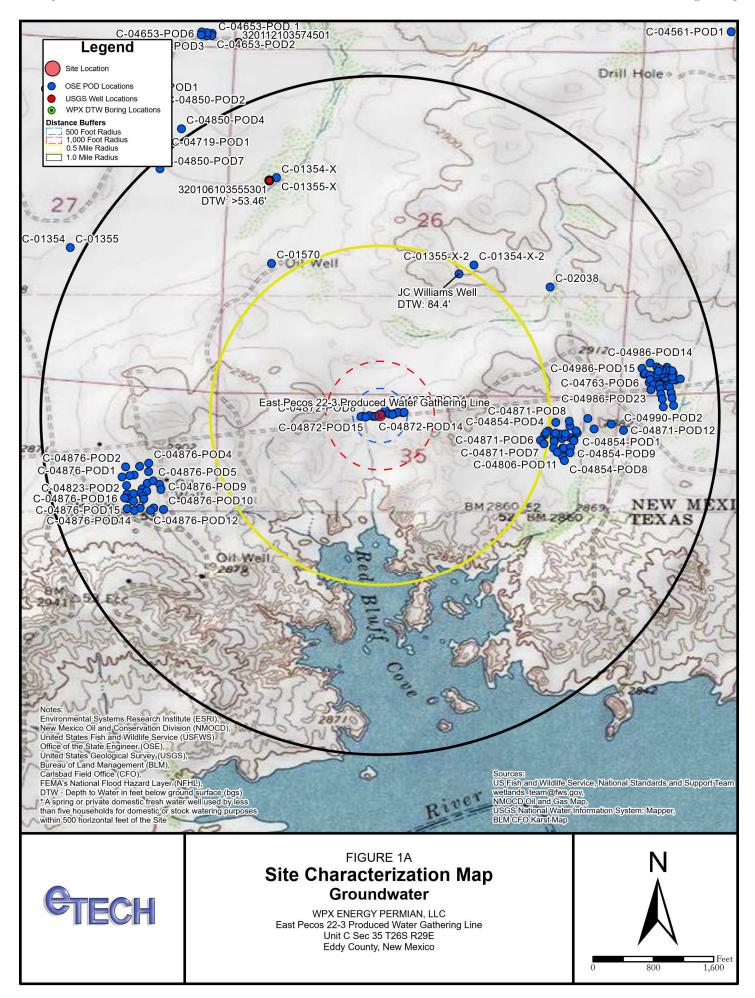
APPENDIX A

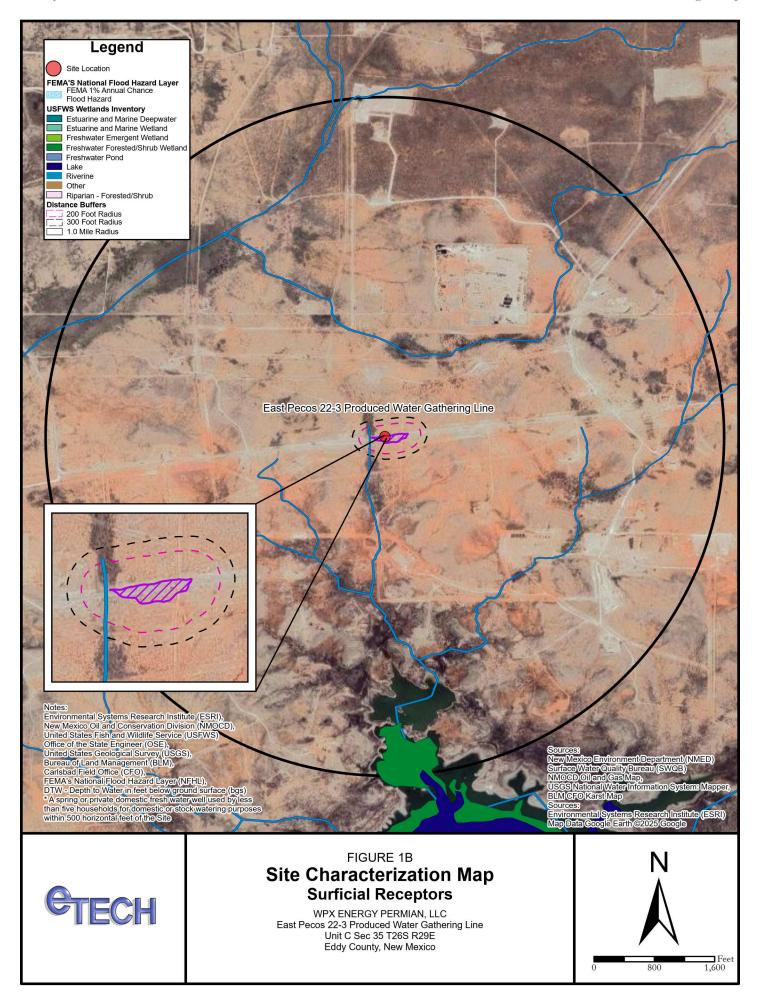
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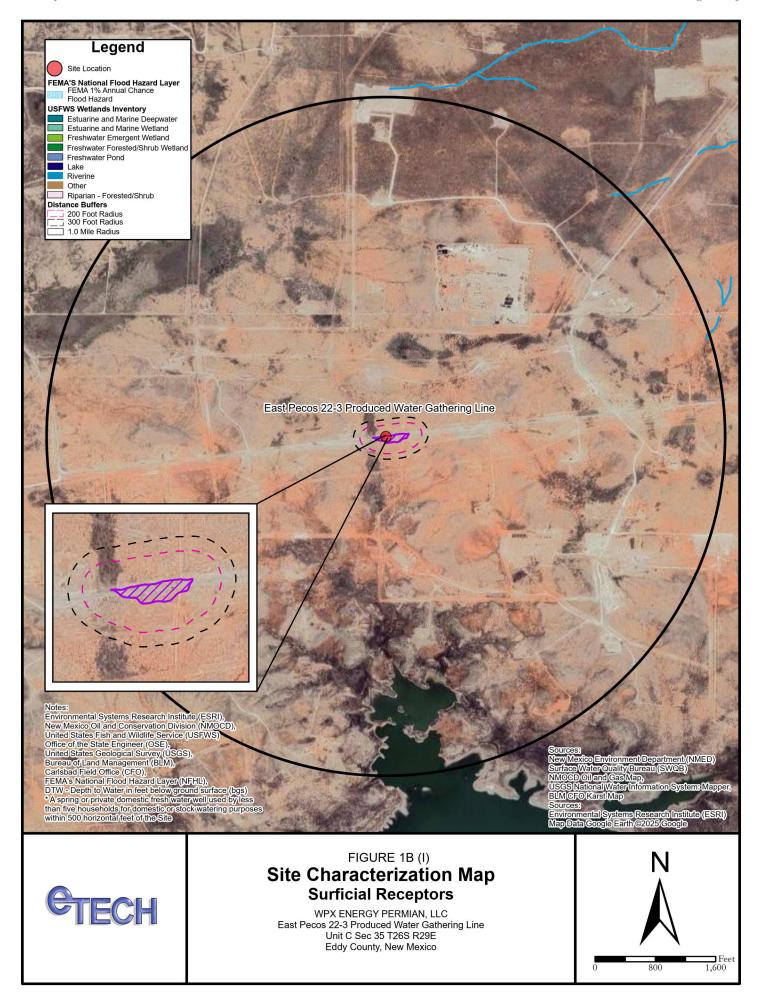
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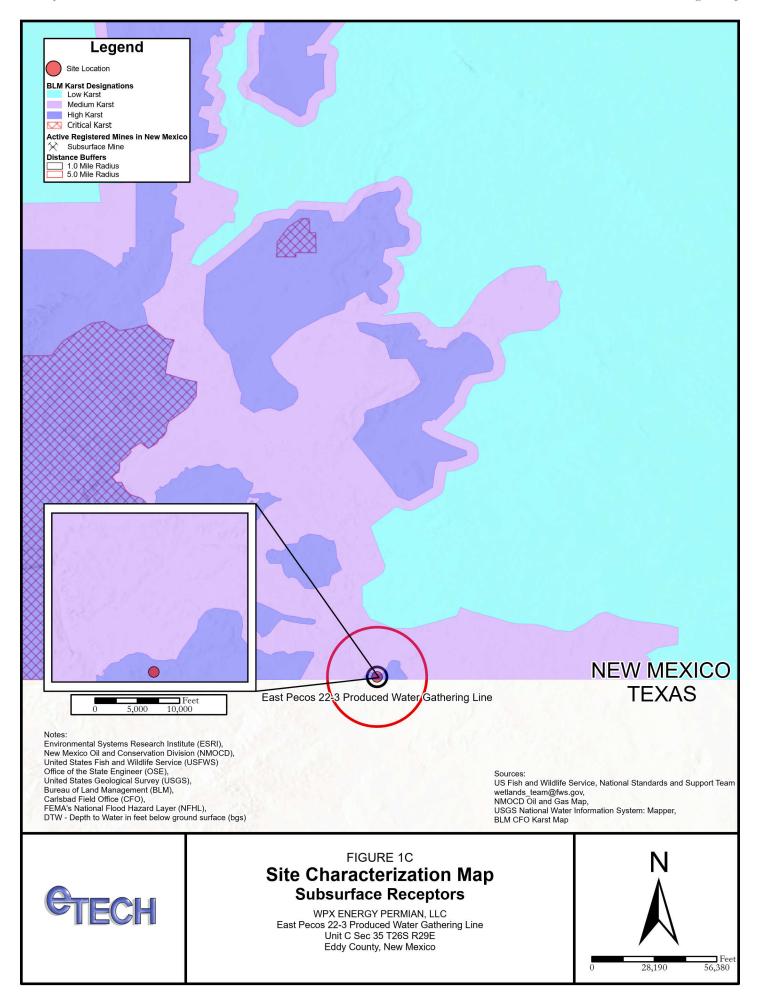


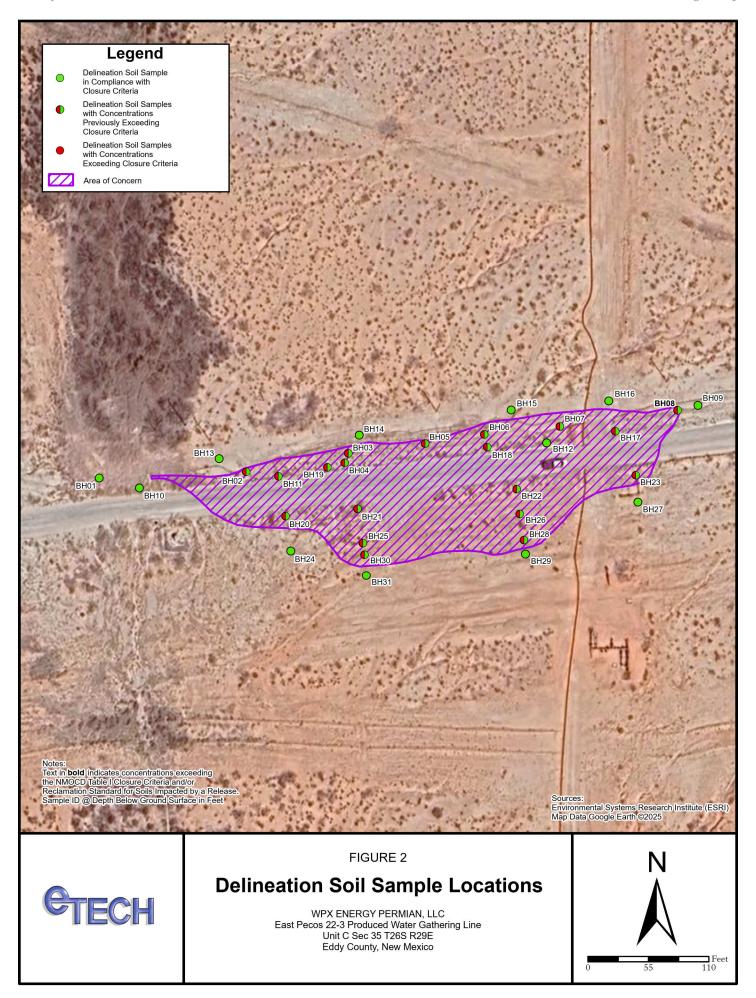


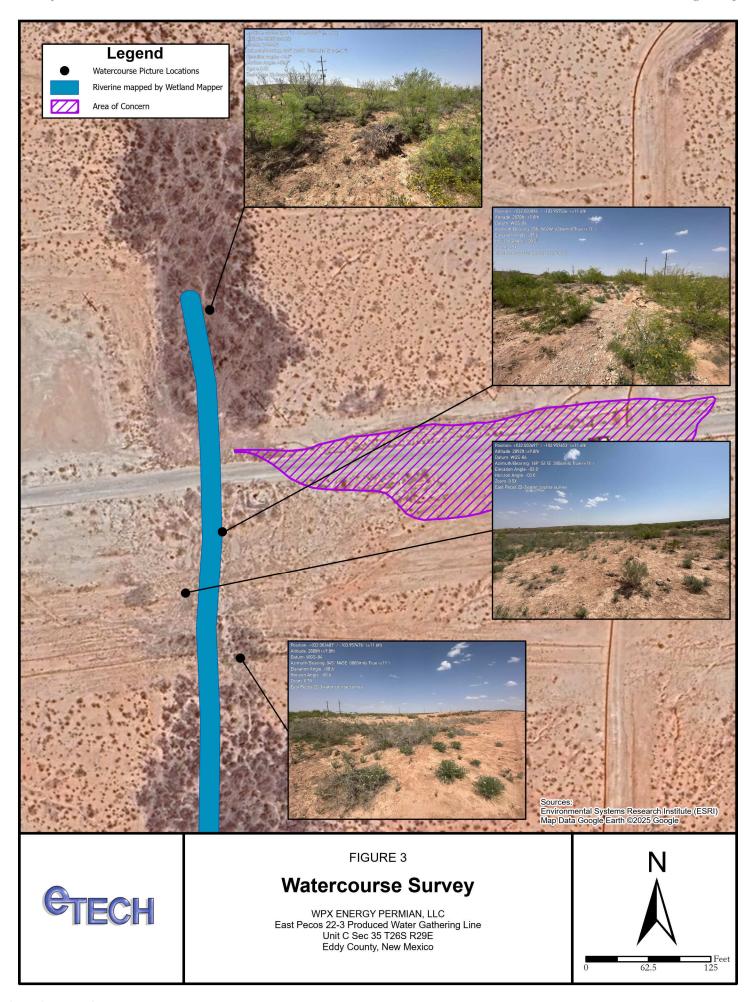


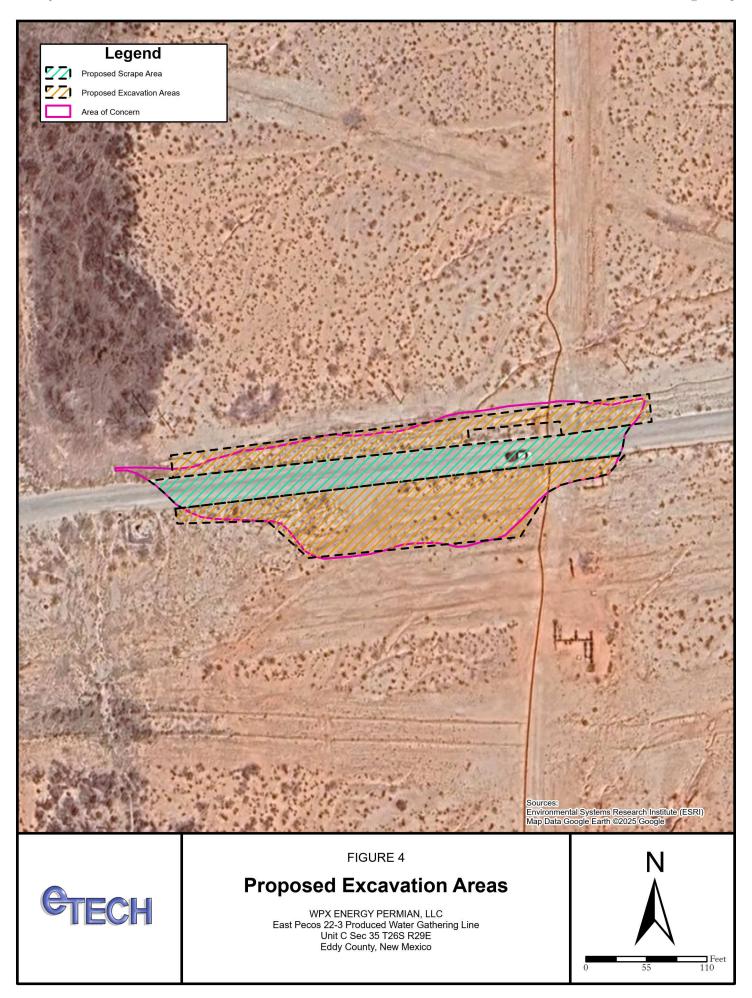












APPENDIX B

NMED Reference Mapping and Classification of Wetlands in the Eastern Plains of New Mexico

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



Assistance Agreement No. CD-01F67201 (FY 2019)



New Mexico Environment Department Surface Water Quality Bureau Wetlands Program

Project Background

The climate in the Eastern Plains project area is semi-arid (~17 inches of annual precipitation). Surface water is scarce, and drought is an ever-present threat. The Eastern Plains of New Mexico project area includes the Pecos River Valley, portions of the Southern High Plains, and the Llano Estacado (Figure 1). In these areas, wetlands are associated with the perennial Pecos River, are found along intermittent and ephemeral creeks, are represented as playas, groundwater-fed depressions, fringes along reservoirs, spring-fed meadows (i.e. cienegas) and excavated impoundments. In the easternmost portion of New Mexico, the Llano Estacado is characterized by extremely flat terrain with scarce draws carrying flowing water during storm events. Most water and wetland resources are contained within thousands of playas surrounded by their own watersheds. These playas are also the main pathway to recharge of the underlying freshwater Ogallala Aquifer which supplies most of the freshwater in the Llano Estacado area.

The current wetlands mapping in the Eastern Plains project area was incomplete when this mapping project was started. Scalable mapping of playas was revised for Curry and Quay Counties in 2006 by the USFWS National Wetlands Inventory (NWI). Much of the western portion of the project area was revised by the NWI in 2010 using 1980s imagery, and with 2000s imagery for much the eastern portion of the project area. No imagery was used in about 25% of the project area. This level of mapping does not meet the FGDC National Wetland Mapping Standard and was intended to be interim. Additional data were available from the Playa Lakes Joint Venture to update the NWI mapping conducted for this project.

Diverse flora and fauna rely on the wetlands, including 44 federal or state threatened or endangered species in the Eastern Plains region (e.g. Piping plover, Least tern, Pecos bluntnose shiner, Pecos gambusia). Water resources along the Pecos River are affected by large reservoirs (Santa Rosa, Sumner, Brantley and Avalon Reservoirs) for the Fort Sumner and Carlsbad Irrigation Districts and groundwater withdrawal for the Pecos Valley Artesian Conservancy District and municipal uses. Threats to the wetlands include surface water impoundment and ground water diversion for industrial, agricultural, municipal, mining and energy development uses. Wind energy development is also having a significant impact on wildlife surrounding playas. Critical springs, cienegas and groundwater-fed saline lakes are threatened by ground water pumping and many have already been lost. Historic farming and ranching practices have had a large impact on soil stability causing infilling of playas resulting in hydrologic and biologic changes. Historically, the project area has been subject to some mineral development for copper and uranium near Santa Rosa, and gypsum, oil and gas, and sand and gravel mining throughout the region. Roads are a significant threat to the region's wetlands, affecting hydrology, drainage pathways and bisecting playa wetlands.

Mapping and Classification of Wetlands in the Eastern Plains of New Mexico

Project Goals

The goal of the SWQB Wetlands Program and many of its Eastern Plains partners is to increase wetland acreage by restoring existing wetlands and protecting isolated and scarce arid-land wetlands. The goal of this project was to map and classify wetlands in the Eastern Plains (east central region) of New Mexico. Mapping was performed in accordance with the National Wetlands Inventory (NWI) protocols, using the Classification of Wetlands and Deepwater Habitats of the United States (Cowardin et al. 1979) and System for Classification of Riparian Areas in the Western United States (USFWS 2009). Wetlands were also coded in accordance with the landscape position, landform, waterflow path, and waterbody types (LLWW) mapping classification (Tiner 2014) and Regional LLWW Keys for the Western U.S. (GeoSpatial Services 2018). Mapping ratio was at 1:12,000 or better with a minimum mapping resolution to 1/2 half acre and in compliance with the National Wetland Mapping Standard of the Federal Geospatial Data Committee (FGDC). A Technical Advisory Committee (TAC) was established to provide expertise and local knowledge, to help review the wetland function correlation table, and to ensure proper application of LLWW to the project area. New Mexico is developing the New Mexico Rapid Assessment Method (NMRAM), which combines the assessment of wetland condition and function for restoration, planning, and regulatory applications. The LLWW provides information to help assign wetlands to Hydrogeomorphic (HGM) subclasses for NMRAM development. This project included remapping and more accurately mapping wetlands in the Eastern Plains project area, the identification and assignment of wetland functions that can be interpreted as designated uses for wetlands narrative water quality standards, and the assignment of classified segments for developing assessment units for monitoring. Through this effort SWQB assigned ecological functions to wetlands and designated classified wetland segments as a next step toward developing wetland water quality standards. SWQB Wetlands Program staff participated in the NM Geospatial Advisory Committee (GAC) to encourage cooperation and collaboration in wetlands mapping efforts, and to obtain corroborative mapping products such as LIDAR and SSURGO soils updates for New Mexico. Interactive mapping products were created, and the project details presented to a variety of stakeholders, interest groups and other states. This project is necessary for the SWQB Wetlands Program to continue program development and capacity-building in southeastern New Mexico. The mapping products will also provide support in select areas of interest for the SWQB Wetlands Program to identify and target wetlands that need monitoring, restoration and protection.

Project Outputs

The project outputs include:

1. National Wetlands Inventory (NWI) (Cowardin et al. USFWS (1979)) mapping of all wetlands and deep-water habitats in the Eastern Plains project areas uploaded on Wetlands Mapper | U.S. Fish & Wildlife Service for national use.

Mapping and Classification of Wetlands in the Eastern Plains of New Mexico

The wetland features and deepwater habitat features include marshes, floodplains, cienagas, lakes and ponds, playas, and rivers. The project area is nearly 8.3 million acres in size. Based on the final wetland mapping, 8,189,153 acres (~98.7%) of the study area is upland habitat and 110,392 acres (~1.3%) is a combination of wetland, deepwater habitat, and riparian area habitat. Riverine system wetlands make up ~44% of the wetland area, palustrine 37%, and lacustrine 19%.

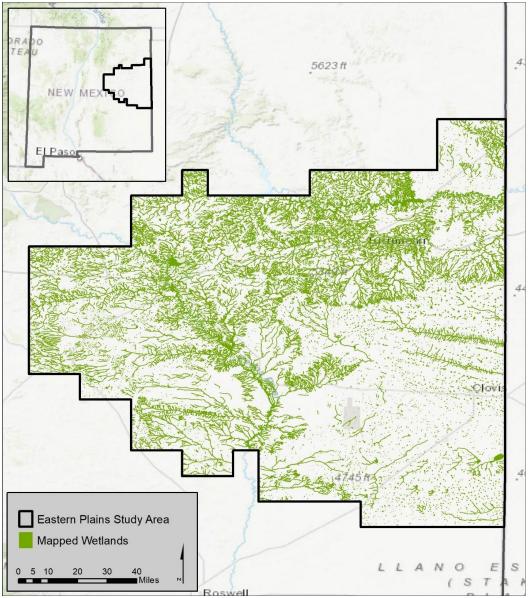


Figure 1. The Eastern Plains Study Area (note that mapped features at this mapping scale look denser due to line width.)

Mapping and Classification of Wetlands in the Eastern Plains of New Mexico

- 2. Riparian areas were mapped, often adjacent to floodplain wetlands, using "A System for Mapping Riparian Areas in the Western United States" developed by Dick et al. (USFWS 2009). Riparian polygon features are transition zones between rivers or lakes and upland; 195 riparian features equaling approximately 704 acres of riparian areas were captured in the Eastern Plains mapping area.
- 3. Landscape Position, Landform, Water Flow Path, Waterbody Type (LLWW) classification was completed for all mapped wetland features. Wetland features were assigned codes from the LLWW classification system developed by Tiner (2014). To enhance the LLWW classification system being applied for New Mexico, the team utilized the Water Regime classifications from the NWI (Cowardin et al., 1979) data to contribute to the identification of LLWW Landforms. These Landforms included Basin, Flat, Floodplain, Fringe, or Slope wetland areas. Many unique LLWW attributes or codes were identified in the Eastern Plains project area. These included 276 codes for polygon wetland features.
- 4. To add richness to the wetland data, wetlands were also characterized by HGM descriptors developed by Brinson (1993) and then correlated to a variety of potential wetland functions. The wetland polygons mapped in the Eastern Plains project area fell into five HGM classes and 11 HGM subclasses. Among the classes, riverine wetlands were most common, with over 49% of total polygons and nearly 52% of wetland area (Table 9). Depressional was second most common, comprising 45% of total area. Lacustrine fringe comprised approximately 2% of wetland area, while Flats and Slopes were each <1% by area.</p>
- 5. Functional correlation was applied to the wetlands. Mapping for 12 select ecological functions that can be identified from mapping data and applied to the semiarid region were mapped based on a ranking of moderate or high functioning. The ecological functions included Surface Water Detention, Streamflow Maintenance, Groundwater Recharge, Sediment & Other Particulate Retention, Nutrient Transformation, Carbon Sequestration, Bank and Shoreline Stabilization, Fish Habitat, Aquatic Invertebrate Habitat, Waterfowl and Water Bird Habitat, Other Wildlife Habitat, and, Unique, Uncommon, or Highly Diverse Wetland Plant Communities. A series of functional assessment maps overlays were then produced, one map for each of the twelve functions in the project area, that can then be sourced for wetlands water quality standards designated uses and for other uses such the recognition of high functioning wetlands.
- 6. Mapping and classification for NWI, LLWW, HGM and functional correlation can be accessed on the NMED Interactive Wetlands Map at: OpenEnviroMap. The mapping geodatabase is also available upon request to the SWQB Wetlands Program.

7. This project contributed to the development of a NM Statewide Wetland Story Map "Wading into Wetlands of New Mexico" which was completed by St. Mary's University of Minnesota Geospatial Services (GSS) and SWQB Wetlands Program staff. The Story Map can be found here: Wading into Wetlands of New Mexico HTTPs://storymaps.arcgis.com/stories/81df9f1c7b47467895377e9772964d07



Figure 2. Cover page of the story map, "Wading into Wetlands of New Mexico."

- 8. As outreach for this project, the Wetlands Program partnered with USFWS Partners for Fish and Wildlife, Natural Channel Design Engineering, Keystone Restoration Ecology and the Grasslans Charitable Foundation to conduct a Playa Restoration Workshop on the Weaver Ranch near Causey, in eastern New Mexico. The attendees learned about numerous free on-line GIS and remote sensing tools as well as drone imagery that can be used for designing restoration and monitoring playas. Participants were in the field to view previously completed playa restoration on the Grasslans Playa, and equipment work restoring playa gullies and drone monitoring was demonstrated. Presentations were given by Sam Ebright and Jake Fleishman of NCDE, and Steve Vrooman of Keystone Restoration Ecology. The Workshop attracted 17 participants from both New Mexico and Texas. Playas of the Southern High Plains are a form of depressional wetlands unique to the High Plains region of the United States.
- 9. A Story Map was created by Natural Channel Design Engineering about Restoration of Playas of the Southern High Plains entitled "Playa Enhancement, Monitoring and Stability Assessment, Ephemeral Wetlands on the Plains. What these playas can do for us, and what we can do for them." The Story Map emphasizes the features and functions of High Plains Playas, an important freshwater feature in eastern New Mexico. The Story Map can be accessed on the SWQB Wetlands Program website and at the link below.

https://storymaps.arcgis.com/stories/a1e6612037a04c9e9eaf3866efcc10d8

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Figure 3. Cover page of the story map, "Playa Enhancement, Monitoring and Stability Assesment" produced by NCDE.

- 10. Pre and post-mapping field reports and a Contractor Final Report were prepared by GSS and are available upon request to the NMED Wetlands Program.
- 11. Other products include reference materials, Technical Advisory Committee (TAC) meeting minutes and input to the process, pre- and post-mapping field trip reports, interactive maps for stakeholder use in key areas and on the NMED Wetlands website, and presentations for outreach.
- 12. A wetland naming application was run for this project to prepare a draft of obtainable classified segments for Wetlands Water Quality Standards. Because only wetlands that will be assessed receive an Assessment Unit name and since we are applying this model to all mapped wetlands, the names are currently unique "Wetland ID" names on the Wetlands Mapper. Defined and applied potential wetland assessment unit codes (Wetland ID names) were derived from HGM maps utilizing a python-based code tool in ArcMaps created by GSS. From the GSS wetland mapping database created for the Eastern Plains project areas, features with the Cowardian Classifications of Riparian and Riverine are identified and removed from the data set (Figure 4). The remaining polygons were dissolved on the three HGM attributes (class, subclass and modifier) to merge adjacent wetlands that share those characteristics (Figure 5). The naming program generates a name that combines a 2-digit code for the HUC 8 that contains the wetland's centroid, an abbreviated HUC 12 name, a short-hand version of the HGM class, subclass, and modifier, and finally a randomly generated number to each wetland in the HUC 12.

Naming New Mexico Wetlands Assessment Units







Figure 4. Features with rivers, streams and deepwater habitat are identified and removed from the data set.







Figure 5. The remaining polygons are dissolved on the three HGM attributes below to merge adjacent like wetlands.

•HGM_Class

•HGM_Subclass

•HGM_Modifier

Mapping and Classification of Wetlands in the Eastern Plains of New Mexico

Project Outcomes

- The project will increase knowledge of the location, extent, and type of wetlands and their functions in the project area on a landscape scale.
- WPO participation in the GAC will advance the use of wetlands mapping and classification, provide a forum to share mapping resources, prevent duplication of efforts, pool funding, keep wetlands mapping current.
- The maps, HGM classification, literature search and advisory committee will advance New Mexico Rapid Assessment Method development for classes of wetlands in the project area.
- Understanding the location and extent of wetlands in the project area by agencies and local governments will help prevent further loss and degradation of wetlands and riparian habitat in an area at risk.
- Story Maps on the NMED SWQB website and mapping products at <u>OpenEnviroMap</u> will help increase understanding of wetland resources by agencies, watershed groups, students and the public.
- Wetlands planning, protection, restoration, mitigation and monitoring by SWQB
 Wetlands Program is improved through the products of this project.
- Data gaps in Wetlands Action Plan development are filled by wetlands mapping products being available to WAP developers. It will assist in improved ecosystem understanding and long-term protection.

Project Location

The Project occurs in Eastern NM in the Counties of Chaves, Curry, DeBaca, Guadalupe, Harding, Quay, Roosevelt, San Miguel, and Torrence at the following 8-digit HUCs: 11080005, 11080006, 11080007, 11080008, 11090101, 11120101, 11120102, 12050001, 12050002, 12050005, 12080001, 13050002, 13060001, 13060002, 13060003, 13060004, 13060005, 13060007. See mapping areas below.

New Mexico Wetlands Program Tucumcari Arizona Mexico New Mexico Rapid Assessment Method Mapping and Classification of Wetlands Montane Riverine Wetlands Upper Rio Grande Montane and Lowland Riverine Wetlands Gila Watershed Playas Wetlands – Eastern Plains Canadian (2016) Jemez Mountains (2016) Montane Riverine Wetlands Canadian/Dry Cimmarron Sacramento (2018) Lowland Riverine Wetlands Rio Grande/Pecos Rivers New Mexico Springs Confined Riverine Wetlands Upper Rio Grande/Canadian Gila (2020) BLM Mapping (2020) Middle Rio Grande (2020) Headwater Slope Wetlands North Central New Mexico San Juan and Estancia Basins (2021) Current Wetland Demonstration Projects Lower Rio Grande (2022) Depressional and Mineral Soil Flat Wetlands Restoring Degraded Fen Wetlands on US Forest Service Lands Eastern Plains (2024) Federal Lands Demonstration Playa Cluster Watershed Group

Figure 6. The Eastern Plains Project Area in eastern New Mexico is shown in peach.

Depressional Wetlands Characterization, Cibola and Catron Counties

Original Timeframe

Tribal Lands

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NMED SWQB Wetlands Program received a partial award from EPA of \$333,806 in federal funds for the project on September 11, 2019, with an effective date of October 1, 2019. The match amount for the project remained the original requested amount. The SWQB Wetlands Program received an additional award of \$18,000 on May 21, 2020 to bring the federal amount to \$351,806.00 which was the requested amount in the project proposal. On August 29, 2023, a no cost extension for grant CD #01F67201-1 was approved by EPA Region 6 to extend the end date to December 31, 2024. On March 14, 2024, the Wetlands Program Coordinator requested EPA Region 6 to move \$32,109.00 from personnel to contractual to hire a contractor to assist with outreach for this project since the Wetlands Program was understaffed. The request was approved by EPA on March 27, 2024. This amount was less than 10% of the federal project funds so a formal grant amendment was not needed. The stated goals and objectives of the project remained the same, as well as the key project Tasks and deliverables.

Partners Involved

Saint Mary's University of Minnesota Geospatial Services (GSS) was the principal mapping contractor in partnership with SWQB Wetlands Program involved in the mapping and classification project. Gary Hunt, USFWS Regional Wetland Coordinator provided NWI guidance and assisted with pre- and post-field mapping reviews, as well as coordinating conference calls with NWI Management. USEPA Region 6, Leslie Rauscher and Kyla Chandler provided project progress guidance and technical assistance. SWQB Wetlands Program was involved in the identification of the mapping areas, mapping and classification field trips, ground truthing the mapping data, reviewing the results and development of the Wading into Wetlands of New Mexico story map. Natural Channel Design Engineering was hired and along with SWQB Wetlands Program and other partners (see below) conducted a Workshop, developed materials and handouts, and created a Storymap for Playa Monitoring and Restoration as outreach for the SWQB Wetlands Program. The Project involved a Technical Advisory Committee whose members are as follows:

Technical Advisory Committee Members

Name

Christopher Rustay Playa Lakes Joint Venture

Katie Sandbom

Linda Delay EMNRD

Redi Riley US Army Corps
Charlie Cassagnol Western Ecology LLC

Austyn Chester

Emile Sawyer Enchanted Waters LLC

Emily Toczek SWQB
Ryan Schmidt CEHMM
Davena Crosley SWQB

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Kate Lacey-Younge **SWQB**

Rene Romo Senator Lujan Ofc **Justin Riggs US Army Corps** Sandra Tanner **CEHMM** John Busemeyer **NMDOT** Sarah Yates **US FWS**

Ashlie Carabajal City of Ruidoso

Dustin Nelson SWQB

Susan Ostlie **RGVBB Great Old Broads Wilderness** Frank Scott Interstate Stream Commission

David Rokus GSS GSS Zach Ansell

Valerie Morgan National Park Service

John Gwynn Independent Antonio Griego **NMDOT** Scott Hebner **US Bur Rec** Mike Freeling **UNM** NMSU Wiebke Boeing **NMSU Constance Williams** John Shermann BLM Scott P Lerich BLM Cassie Brooks BLM

Matthew Heckel NMHU/USFS

Corey Durr BLM

Kurt Anderson Independent Katie Kruthaupt Independent Luis Castillo NMTDC ACM Colleen Cunningham **NMED** John Littlefield **USFS**

Randy Sauzo Independent

Eric Chavez Senator Lujan Office

Sarah Yates **USFWS**

Note: Due to COVID restrictions during the project period, Technical Advisory Committee meetings were held virtually and participants were invited with expertise both from the CD #01F62101 and this project. The non-federal attendees match was split between the two projects.

Playa Monitoring and Restoration Workshop Partners and Attendees **Partners**

1. Maryann McGraw	NMED-SWQB
2. Angel Montoya	USFWS Partners
3. Sam Ebright	NCDE, Inc
4. Jake Fleishman	NCDE, Inc
5. Willard Heck	Grasslans and Weaver Ranch

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6. Steve Vrooman	Keystone Restoration Ecology
7. Jim Weaver	Grasslans and Weaver Ranch

Attendees

1. Price Rumbelow	Rio Grande Joint Venture
2. Ethan Seavey	USFWS
3. Jocelyn Harimon	NMED-SWQB
4. Shinya Burck	NMED-SWQB
5. Jacob Lobato	Tetra-Tech
6. Lauren Rangel	USFWS
7. Erik Nelson	New Mexico State Land Office
8. Tavin Dotson	Ducks Unlimited
9. Alyssa Besser	NRCS-NM
10. Gary Mizer	NMDGF - Raton
11. Jack Marchetti	NMDGF - Wetlands
12. Nick Loveland	Rio Grande Joint Venture
13. Taylor Bruecher	Rio Grande Joint Venture
14. Maceo Martinet	USFWS Partners

Funding

The original Federal amount was \$351,806.00 and \$123,697.00 match. The federal amount spent was \$312,643.41, and the **final match amount** was \$169,314.27 (\$45,617.27 overmatched). See semi-annual reports for details.

Major Project Highlights and Chronology

- NMED SWQB Wetlands Program received a partial award from EPA of \$333,806 in federal funds for the project on September 11, 2019 with an effective date of October 1, 2019.
- Emile Sawyer was the Wetlands Program Project Officer (WPO) for this project.
- The WPO drafted and submitted Contract Amendment #3 to add the Eastern Plains subproject to the "Mapping and Classification of Wetlands in New Mexico" contract between NMED and Saint Mary's University of Minnesota Geospatial Services.
- The revised QAPP (QTRAK #20-178) that includes this project was approved on March 24, 2020 with an expiration date of March 17, 2022.
- The SWQB Wetlands Program received an additional award of \$18,000 on May 21, 2020 to bring the federal amount to \$351,806.00 which was the requested amount in the project proposal.
- Contract #18-667-2060-0018 Amendment 3 with Saint Mary's University of Minnesota was approved on June 5, 2020, allowing mapping to commence.

Mapping and Classification of Wetlands in the Eastern Plains of New Mexico

- The Wetland Project Officer (WPO), Wetland Program Coordinator (WPC), and Contractor met on June 18, 2020 for a project kick-off meeting.
- A project geodatabase has been assembled by GSS for the project area. In November 2020, EDAC shared DEM mosaics and LiDAR for Southwestern New Mexico with the WPO and the WPO forward the link to the data to GSS to add to the project database.
- GSS updated the NMED Web App in November 2020 to include data in the Eastern Plains area for the production of linear wetlands, updating them to polygons, and performing consistency reviews based on feedback from Gray Hunt (NWI Mapping Coordinator). GSS mapped linear wetlands in the project area by September 2020 and the data were available to review at

https://smumn.maps.arcgis.com/apps/webappviewer/index.html?id=065224034e164e2 0a4056bdeac1eb215

- A no-cost Amendment #4 to update some of the tasks in GSS Contract # 18-667-2060-0018 was developed to include virtual meetings, mapping compliant with USFWS National Wetlands Inventory (NWI) Guidance 2.0, and to change map book deliverables to a statewide story map.
- The Pre-Mapping field review scheduled for October 2020 was postponed due to Covid travel restrictions.
- The USFWS NWI circulated a draft guidance for implementing NWI Version 2.0 in November 2020.
- A meeting was held between SWQB Wetlands Program staff and National Wetlands Inventory staff on November 18, 2020 to discuss the implications of NWI Version 2.0 data additions to New Mexico mapping data and consistency of mapping data statewide.
- NWI staff committed to helping NMED implement the changes that NWI Version 2.0 requires.
- Wetlands Program staff met with Andy Robertson and Roger Meyer (GSS Story Map developer) to work on the New Mexico Statewide Wetland Story Map.
- The WPO attended the Geospatial Advisory Committee meeting representing the Wetlands Program on November 10, 2020, and December 8, 2020, under this project.
- The No-Cost Amendment #4 to GSS contract was signed on May 17, 2021 to update some tasks for current wetlands mapping sub-projects including this Eastern Plains Subproject.
- A pre-mapping field review trip was conducted from April 18 through May 01, 2021, with the Eastern Plains Project Area visited on April 27 through May 1, 2021. The Field Trip was attended by GSS Analysts, SWQB Staff and the USFWS Regional Wetlands Coordinator.

Mapping and Classification of Wetlands in the Eastern Plains of New Mexico



Figure 7. GSS (Josh Balsiger, Zach Ansell, and Dave Rokus) and USFWS (Gary Hunt) staff field checking a potential wetland site on the Pre-mapping field review April 17-28, 2021.



Figure 8. Andy Robertson, Josh Balsiger and Zach Ansell (GSS) observing waterfowl at pond 3 miles Southeast of Portales, NM. April 28, 2021 Pre-Mapping field review.

• The field trip was conducted for verification of wetland features and non-wetland features so that a "selective key' of image signatures could be amended and tailored to the Eastern Plains project area. This baseline information serves as a guide for identifying and classifying features (as interpreted from the project imagery) within the National Wetland Inventory (NWI), the Riparian Classification System, NWI Plus (LLWW -Landscape Position, Landform, Water Flow Path, and Waterbody), and HGM Classification Systems.



Figure 9. Pre-mapping Field Team members check soils for hydric indicators at Pre-mapping Field Review April 27, 2021.

 A total of 111 check sites were pre-selected for the Eastern plains and during the trip 47 field points were visited in the Eastern Plains area and were documented with photographs, map delineations and observation notes, wetland plant identification, surface hydrology indicators, wetland soils indicators and hydrologic regimes.

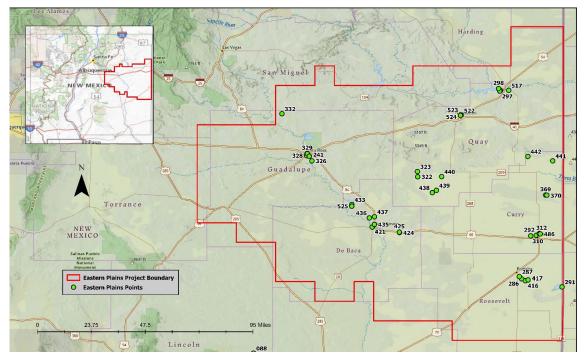


Figure 10. Check site locations in the Eastern Plains project area visited between April 27, 2021 and May 1, 2021.



Figure 11. Playa Check site #440. This emergent depressional wetland (playa) is characterized by emergent vegetation (light red signature) and basin shape (103.8173201°W 34.7942404°N). A pit excavation captures and alters flow. The presence of a pit was indicative of the playa holding more water throughout the year within the pit but contributing to drying of the historical playa bottom along with the encroachment of upland species.



Figure 12. The City of Clovis has playas within the city limits and also ditches with saturated bottoms. Note red ditch at Checkpoint #292. Clovis is very flat and the ditches carry stormwater away from homes and infrastructure. (103.2140620°W 34.4201793°N)



Figure 13. Checksite #310. Altered playa on the right of the road may be partially wetted from center pivot field runoff as indicated by the trees on the southeast corner of the field. On the south end of the playa is smooth, uniform pink vegetation, which is a very deep excavation that captures much of the water that would flood the rest of the playa area. (103.2493769°W 34.4167486°N)

- A Field Trip Report was prepared by GSS for the Eastern Plains Portion of the Premapping Field Review.
- The WPO and WPC are communicating with GSS staff and NWI staff regularly to work out the changes required for including NWI Version 2.0 updates.

- The WPO and WPC continue discussions on the NM state-wide Wetlands Story Map.
- A Request for Quotes to complete remaining tasks when the current contract (18-667-2070-0018) with GSS expires on June 30, 2022, has been developed by Dustin Nelson (Watershed Protection Section Project Officer) who is helping with Wetlands Program tasks.
- A Draft Map Review field trip for this project was conducted in October 13 21, 2021 to review completed mapping codes and signatures, and to assess completed mapping data for errors of omission and commission, and to review how required mapping data will be added for NWI 2.0.
- Twenty-seven field points were visited in the Eastern Plains project area during the Draft Map review and were documented with photographs, map delineations, vegetation, soils, and hydrology indicators.

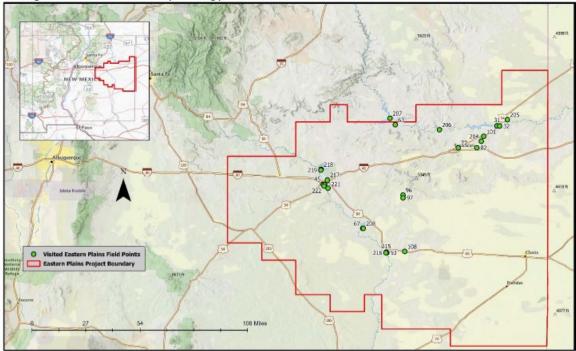


Figure 14. Locations of check-sites that were visited from the Eastern Plains study area during field verification. 1:1,300,000. The Eastern Plains study area is outlined in red.

- The field-verification process involved three stages: check-site selection; in-field examination and discussion and, post-trip documentation. Check-sites were selected in advance for areas that could not be clearly identified as upland or wetland or classified accurately on the imagery.
- GSS submitted a field verification Field Trip Report documenting the post-mapping field trip activities and mapping conclusions.



Figure 15. Check site #82 east of Tucumcari. Water was originating from a main irrigation channel flowing from the Ute Reservoir to the north. The channel either intentionally or otherwise is causing a certain degree of saturation intermittently further down the watershed.



Figure 16. Check site #82. Pink signature is consistent across saturated flow path flowing north to south. PEM1B (Palustrine, Emergent, Persistent, Seasonally Saturated).



Figure 17. Check site #45. Permanently saturated meadow with hillside groundwater source, likely due to the karst geology of the area. These areas have permanently saturated hydric soils and are often associated with springs, seeps, or cienegas.



Figure 18. Check site #45. Semi-smooth, reddish brown emergent vegetation signature breaking out in areas with more dense saturation. Dark signature and light, smooth signature both indications for wetland vegetation. PEM1D (Palustrine, Emergent, Persistent, Permanently Saturated).



Figure 19. Check site #108. This vegetated playa holds water for long periods after precipitation events. NWI classification requires that wetland depressional features greater than 80 acres are mapped as lacustrine features. This playa is mapped as L2US5A ((Lacustrine, Littoral, Unconsolidated Shore, Vegetated, Temporarily Flooded).

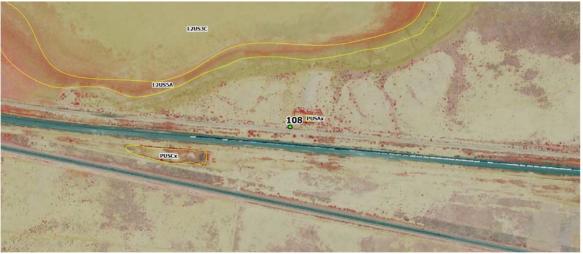


Figure 20. Check site #108. Sheet flow and precipitation flood this large playa. (108°54'16"W 32°16'34"N)

• A series of virtual Technical Advisory Committee (TAC) meeting workshops were conducted on February 24, 2022 and March 2, 2022 with 50 participants at the first workshop and 38 participants at the second workshop.



Figure 21. Intro slide for the Technical Advisory Committee Meeting.

In these TAC 2-3-hour sessions, participants were provided with an overview of the 4
mapping and classification systems used to map wetlands in New Mexico, a review of
unique wetland types specific to each project area, how mapping products can be
used. The meetings concluded with a discussion of potential applications with the
participants.

The TAC meetings were recorded and the presentation links are listed below.

Link	Recording Access Password
Bootheel-Permian and Eastern Plains Mapping and Classification TAC meeting & training-20220224 1959-1	mFtKuwH3
Bootheel Mapping and Classification TAC meeting & training-20220302 1715-1	wJWJgtf7

- NMED staff completed a revision and updating of the QAPP which was submitted to EPA by the SWQB QA Officer, Miguel Montoya on March 2, 2022.
- The QAPP was approved by EPA on March 14, 2022, with the new QTRAK #22-128.
- A Request for Quotes to complete remaining tasks when the current contract

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- (18-667-2070-0018) with GSS expired on June 30, 2022, was completed.
- St. Mary's University of Minnesota Geospatial Services (GSS) was selected for a Contract 23-667-2060-0001 to complete final mapping tasks, the statewide Story Map, and a final report for this project.
- Full production mapping was completed by April 30, 2022 and a draft delivery of the project to both NMED and USFWS was made on May 02, 2022.
- Draft data review was completed by the Wetlands Program who submitted the draft data to US Fish and Wildlife Service National Wetlands Inventory (NWI) Gary Hunt in June, 2022. However, the submission to NWI has not yet been reviewed.
- GSS analysts began adding LLWW attributes in preparation for assigning HGM codes and functional attributes to the completed wetlands mapping.
- Dustin Nelson was hired into the Wetlands Program in February 2023 and is now the Wetlands Program Project Officer (WPO) for this project.
- WPO and WPC provided additional information on groundwater recharge in the project area to St. Mary's University of Minnesota Geospatial Services (GSS) to continue mapping wetland functions.
- Work on the NM Statewide Wetlands Story Map by Wetlands Program staff and GSS staff continues. A draft version of the Story Map was available for review.
- WPO and Tiffany Anders (NMED Wetlands Staff) attended Geomorphic Processes of Natural Stream Channels in the Arid Southwest training, held in Flagstaff, AZ on April 25 – 28, 2023.
- NMED staff, including WPO and WPC attended a wetlands mapping and classification field training with Andy Robertson of Saint Mary's University of Minnesota Geospatial Services (GSS), Gary Hunt, U.S. Fish and Wildlife Service Regional NWI Coordinator (USFWS), and Karen Menetrey, volunteer, June 12 through June 15, 2023. The group visited 27 sites to familiarize new Wetlands Program staff, including the WPO for this project, with the Mapping and Classification process. GSS provided NMED staff with digital mapping layers and hard copy maps/data sheets for wetland classification validation practice. Dustin Nelson's and Codie Vileno's per diem for this field trip was charged to this grant.
- A no-cost extension for the project was approved by the EPA on August 29, 2023 to extend the end date of this project to December 31, 2024.
- NM Statewide Wetland Story Map was completed by St. Mary's University of Minnesota Geospatial Services (GSS) on August 31, 2023, with input from WPO and WPC. The final version of the Story Map is available at this location: https://storymaps.arcgis.com/stories/81df9f1c7b47467895377e9772964d07
- The WPO and WPC completed a list of geology units and their recharge potential for mapping the groundwater recharge function in April 2023. With the submission, GSS completed adding the functional attributes to the database in August 2023.
- The final wetland mapping geodatabase for the project was delivered to NMED by the contractor on August 23, 2023.

- All deliverables have been submitted by the Contractor, GSS on August 23, 2023, including supplemental map information and the final report.
- A wetlands naming application was run by NMED GIS IT specialist Phil Polzer to apply unique wetlands IDs to all wetlands in the project area. These Wetland IDs can then be used to identify future wetlands assessment units (AUs).
- The WPC met with Natural Channel Design Engineering (NCDE) staff and Angel Montoya (USFWS Partners for Wildlife Program) to develop a plan and contract tasks for outreach for Eastern Plains playas.
- The WPC met with staff from NCDE via Teams on December 5, 2023, to discuss a workshop and outreach materials as a follow-up for the virtual training and including the demonstration restoration Keystone Restoration Ecology conducted at the Grasslans Charitable Foundation playa.
- In early 2024, the WPC discussed partnering options for the workshop with Angel Montoya (USFWS Partners for Wildlife Program). The Partners Program agreed to pay for Keysone Restoration Ecology to demonstrate the on-the-Ground restoration while building additional restoration structures at the Grasslans Playa, and the WPO agreed to pay NCDE for conducting the classroom portion of the workshop and to help with the walkthrough of the completed structures. NCDE also investigated demonstrating drone monitoring and videotaping the workshop for future use. The video idea was replaced with a Story Map due to costs associated with videotaping.
- On January 16, 2024, Dustin Nelson attended a coordination meeting with the US Army Corps of Engineers as match for this project.
- On March 14, 2024, the Wetlands Program Coordinator requested EPA Region 6 to move \$32,109.00 from personnel to contractual to hire a contractor to assist with outreach for this project since the Wetlands Program was understaffed. The request was approved by EPA on March 27, 2024.
- The final NWI data was uploaded into the NWI database in May of 2024.
- A wetlands naming application was run by NMED GIS IT specialist Phil Polzer to apply unique wetlands IDs to all wetlands in the project area. These Wetland IDs can then be used to identify future wetlands assessment units (AUs).
- In July, Shinya Burck, Wetlands Program Project Officer, obtained a printing quote for a 50 copies of the Playa Erosion Control Technical Guide to be handed out at the Playa Restoration and Monitoring Workshop.
- On August 16, a contract with Natural Channel Design Engineering (NCDE) to conduct a Playa Workshop on the Weaver Ranch and to create a Story Map was approved.
- On August 27, partners including NCDE, Keystone Restoration Ecology, US Fish and Wildlife Service Partners for Fish and Wildlife, Grasslans Foundation and Weaver Ranch planned for the Workshop to take place on the Weaver Ranch on October 28-29, 2024.
- Invitations were sent to potential Playa Monitoring and Restoration Workshop participants including to Colorado and Texas on October 4, 2024.



Figure 22. Playa Gully on the Grasslans Playa example sent with invitation to the Workshop.

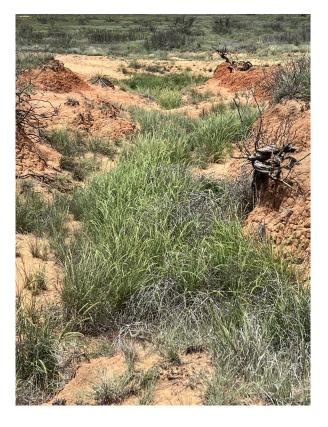


Figure 23. Grasslans Playa Gully restored example sent with invitation to the Workshop.

 The Playa Workshop was conducted on October 28 and 29 at the Weaver Ranch near Causey, NM with 14 attendees. The Weaver Ranch provided a barn for the classroom portion of the Workshop where a power point on monitoring playas and drone

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- monitoring was given by NCDE Engineers. NCDE also handed out thumb drives with the powerpoint and other materials to attendees.
- On October 29, Workshop attendees met at the Grasslans Foundation Playa where NCDE staff led a field trip to areas already restored on the grasslans playa. After lunch, the group watched Keystone Restoration Ecology Steve Vrooman use heavy equipment to build restoration structures on gullies entering the playa.



Figure 24. Classroom portion of the Playa Monitoring and Restoration Workshop at the Weaver Ranch near Causey, NM.



Movie of equipment restoration and drone monitoring. (Tap to play)

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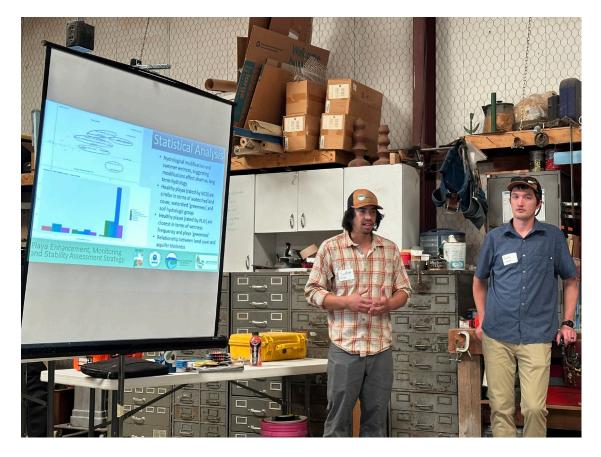


Figure 25. Sam Ebright and Jacob Fleishman (NCDE) give presentation about statistical analyses that they conducted on 20+ playas in the Southern High Plains. Mapping from this project helped them identify playas for the statistical analyses. The also talked about pre- and post-monitoring techniques and software for playa analyses for successful restoration.



Figure 26. Steve Vrooman (Arrow) providing agenda to the attendees for the field day at the Grasslans Playa.



Figure 27. Workshop Attendees look at successful restoration where significant plant growth stabilizes gullies where shear stress is reduced.



Figure 28. Workshop attendees participate in measuring slopes and watching equipment work during second part of field day.

- On December 19, 2024, NCDE submitted the final version of the Story Map, Playa Enhancement, Monitoring and Stability Project." the Story Map can be accessed here: https://storymaps.arcgis.com/stories/a1e6612037a04c9e9eaf3866efcc10d8
- Work was completed on the NCDE contract on December 23, 2024.
- A wetlands naming application was run by NMED GIS IT specialist Phil Polzer to apply unique wetlands IDs to all wetlands in the project area. These Wetland IDs can then be used to identify future wetlands assessment units (AUs).
- A Final Deliverable is the Story map "Playa Enhancement, Monitoring and Stability Project "https://storymaps.arcgis.com/stories/a1e6612037a04c9e9eaf3866efcc10d8

List of Major Deliverables

- Geodatabase assembled
- Cowardin, Riparian, LLWW and HGM classified maps
- GSS Contractor Quarterly Reports
- Pre-mapping and post-mapping field Trip Summary Reports
- Technical Advisory Committee meeting recordings and list of attendees

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- Geology Units and Groundwater function Ratings for the Eastern Plains Project
- Statewide Wetlands Story Map
- Mapping published on SWQB Wetlands Mapper
- Playa Enhancement, Monitoring and Stability Story Map
- Playa Workshop handouts and thumb drive, workshop photos
- Contracts and amendments
- QAPPs and updated QAPP
- Contractor final mapping report
- Semi-Annual Reports and Final Report, Match reporting to EPA

Lessons Learned

During this project, the Wetlands Program experienced delays due to Covid and turnover in Wetlands Project Officers. Extensive training including mapping and classification week-long training helped keep the project on task.

Getting contractor help when the SWQB Wetlands Program was understaffed also helped complete project outreach.

The Technical Advisory Committee proved invaluable for local knowledge. When attempting to adapt mapping methodologies based on regional and local conditions, it is essential to involve local, regional, and national experts plus local stakeholders in the mapping and assessment processes.

It is important to incorporate both field evaluations (qualitative and quantitative) and collateral spatial data sources to support decisions related to wetland delineation, water regimes, classification, and function. In semi-arid environments such as eastern New Mexico, which can experience severe to extreme drought conditions, or continuous precipitation during the monsoon season, a single site visit may influence water regime decisions especially during times of prolonged or severe drought.

What made the project successful?

The Wetlands Mapping and Classification Workshops were an offshoot of the success of virtual Technical Advisory Committee meetings reaching so many more participants. The invitation to a Wetlands Mapping and Classification Workshop was open to a broader range of participants, which in turn had many more participants attend the workshop. However, the Playa Restoration Workshop was conducted in-person and proved invaluable to have practitioners on site. An important outcome of this project was to use mapping information to find wetlands in need of restoration, in this case for playas. This was a key goal of the SWQB Wetlands Program.

What made the project not so successful?

This project has been overall successful in achieving its goals, even after delays and restrictions due to the Covid pandemic.

Mapping and Classification of Wetlands in the Eastern Plains of New Mexico

Technical Transfer

What information can you pass along to other agencies, cooperators, or local landowners in other watersheds about this project?

Two Technical Advisory Committee meetings were conducted as workshops, that attracted a broad audience interested in wetland mapping. These workshops were recorded and can be sued for additional outreach to those not in attendance. Mapping products were distributed to Agencies and organizations on request. Wetlands Program personnel attended the NM Geospatial Advisory Committee monthly meeting to share resources and stay abreast of mapping activities. Two Story Maps were completed and are available on the NMED Wetlands Program website. Mapping is available to the public on the NWI Mapper Wetlands Mapper | U.S. Fish & Wildlife Service (fws.gov) and on the NMED Wetlands Program website OpenEnviroMap (nm.gov). This final report will also be available on the NMED Wetlands Program website.

EPA Feedback Loop

What would you suggest that EPA do differently to improve the process in regard to this project?

EPA was very supportive in all aspects of this project during the project period, especially allowing grant period extensions to complete high quality and meaningful work during times of uncertainty and change.

Future Activity Recommendations

The NMED Wetlands Program will continue to share project results through presentations, wetland roundtables, the Story Maps, and on the NWI website. Mapping of HGM subclasses will continue to be used to develop the New Mexico Rapid Assessment Methods by subclass. The Story Maps will be used for education and outreach about New Mexico's wetlands, providing a tool to help people visit and appreciate wetlands, as well as understand the ways that they are classified and the meaning of the classifications. Now that New Mexico mapping is nearly complete, transfer of these mapping products for a variety of uses to stakeholders will be a priority.

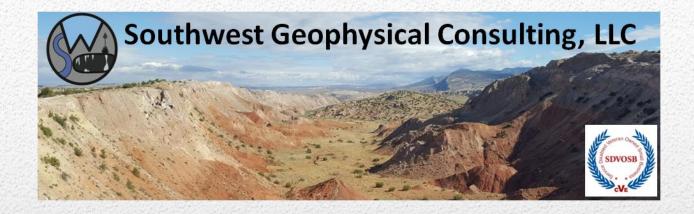
As wetland mapping is nearly completed for New Mexico, the Wetlands Program should devise a methodology to identify and record trends, especially in southern New Mexico which experiences drought conditions, and use mapping products to locate wetlands with unique and special features for further protection.

Mapping and Classification of Wetlands in the Eastern Plains of New Mexico

APPENDIX C

Environmental Karst Study Report





Environmental Karst Study Report East Pecos Gathering 3 Eddy County, New Mexico

Prepared For:
eTech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa, TX 79765

□ Positive within 200 feet of spill delineation boundary

☑ Negative within 200 feet of spill delineation boundary

☑ Stable **☐** Unstable Ground

☐ Karst Monitor Recommended

April 7, 2025

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1.0 INTRODUCTION

This report was commissioned by eTech Environmental and Safety Solutions, Inc. (hereinafter referred to as "the client"), on January 24, 2025, for the purpose of conducting an environmental karst study within an area encompassing the East Pecos Gathering 3 release site (hereinafter termed "EPG3") centered at N 32.004243° W 103.956669°.

1.1 Goals of this Study

The goals of this study are to conduct a surface karst inventory and provide the client with the location and description of any surface karst features located within 200 feet (61 meters) of the spill delineation boundary (as defined by 19.15.29.12 NMAC^[1]) and to determine whether stable ground exists (as defined by 19.15.2 NMAC Definitions^[2]) within the spill delineation boundary of the EPG3 release using electrical resistivity imaging^[3].

1.2 Summary of Findings

- No surface karst features exist within the 200-foot (61-meter) perimeter of the spill delineation boundary.
- One surface karst feature exists within the 200-meter surface karst survey boundary, but outside the 200-foot (61-meter) boundary.
- No anomalies consistent with subsurface air- or water-filled voids were found within the EPG3 geophysical survey area, indicating the zone beneath the geophysical survey is not subject to collapse.
- Flat-lying stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted, indicating stable ground.

1.3 Affected Environment

The EPG3 project site is located in evaporite karst terrain, a landform that is characterized by underground drainage through solutionally enlarged conduits. Evaporite karst terrain may contain sinkholes, sinking streams, caves, and springs. Sinkholes leading to underground drainages and voids are common. These karst features, as well as occasional fissures and discontinuities in the bedrock, provide the primary sources for rapid recharge of the groundwater aquifers of the region. Additionally, karst may develop by hypogene processes involving dissolution by upwelling fluids from depth independent of recharge from the overlying or immediately adjacent surface. Hypogene karst systems may not be connected to the surface and can remain undiscovered unless encountered during drilling or excavation.

Karst features are delicate resources that are often of geological, hydrological, biological, and archeological importance, and should be protected. The four primary concerns in these types of terrain are environmental issues, worker safety, equipment damage, and infrastructure integrity.

The Bureau of Land Management (BLM) categorizes all areas within the Carlsbad Field Office (CFO) zone of responsibility as having either low, medium, high, or critical cave potential based on geology, occurrence of known caves, density of karst features, and potential impacts to freshwater aquifers^[4]. These designations are also recognized by the New Mexico State Land Office (NMSLO). This project occurs within a **HIGH** karst occurrence zone (HKOZ)^[5] (**Figure 1**).

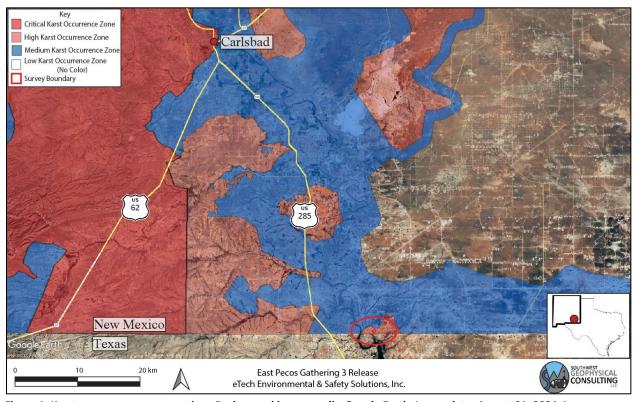


Figure 1: Karst occurrence zone overview. Background image credit: Google Earth. Image date: August 21, 2024. Image datum: WGS-84.

A high karst occurrence zone is defined as an area in known soluble rock types that contains a high frequency of significant caves and karst features such as sinkholes, bedrock fractures that provide rapid recharge of karst aquifers, and springs that provide riparian habitat^[4].

Due to the rapidity with which evaporite karst develops, each location within a CKOZ or HKOZ must be assessed on an individual basis to determine the existence of surface karst features and the possibility of sub-surface karst development each time a release occurs.

1.4 Limitations of Report

This report should be read in full. No responsibility is accepted for the use of any part of this report in any other context or for any other purpose or by third parties. This report does not purport to give legal advice. Legal advice can only be given by qualified legal practitioners.

This report has been prepared for the use of eTech Environmental & Safety Solutions, Inc., in accordance with generally accepted consulting practices. Every effort has been made to ensure the information in this report is accurate as of the time of its writing. This report has not been prepared for use by parties other than the client, their contracting party, and their respective consulting advisors. It may not contain sufficient information for the purposes of other parties or for other uses.

This report was prepared upon completion of the associated fieldwork using a standard template prepared by Southwest Geophysical Consulting and is based on information collected prior to fieldwork, conditions encountered on site, and data collected during the fieldwork and reviewed at the time of preparation. Southwest Geophysical Consulting disclaims responsibility for any changes that might have occurred at the site after this time. The interpreted results, locations, and depths noted in this report (if applicable) should be taken as an interpretation only and no decision should be based solely on this information. Physical verification of aerial imagery analysis results in the field should be conducted prior to using this information for remediation planning. Physical verification of geophysical results using geotechnical methods should be conducted.

To the best of our knowledge, the information contained in this report is accurate at the date of issue. Due to the nature of karst terrain, the information in this report shall not be used beyond two years past the dates of the field work provided in section **2.3 Description of Survey**. Large weather events can shorten this time period as areas subject to karst development can rapidly form new features subsequent to these events.

2.0 LOCATION AND DESCRIPTION OF STUDY AREA

2.1 Description of Site

The site is located 52.6 kilometers (32.7 miles) south-southeast of Carlsbad, New Mexico, south of Stateline Road, north of the New Mexico – Texas border, and east of the Pecos River in an area known as Red Bluffs. The study area is located within section 35 of NM T26S R29E^[6] (Figure 1 and Figure 2). The region has rolling terrain with karstification occurring in the gypsite soils and underlying gypsum and dolomite bedrock^[7] (see section *2.2 Local Geology Summary* for further information). The climate in this area of southeast New Mexico is semi-arid with an average annual precipitation of approximately 13 inches, of which about two-thirds falls as rain during summer thunderstorms from June to October. Summers are hot and sunny while winters are generally mild, with an average maximum temperature of 96°F in July and an average minimum temperature of 28°F in January^[8]. This area is within the Chihuahuan Desert Thornscrub as defined by the Southwestern Regional ReGAP Vegetation map^[9] and the vegetation consists mostly of areas of blue grama, nine-awned pappus grass, burro grass and low scrub including yucca. The spill delineation boundary is located within an HKOZ^[5] (Figure 1) and within BLM-CFO managed land^[10] (Figure 2).

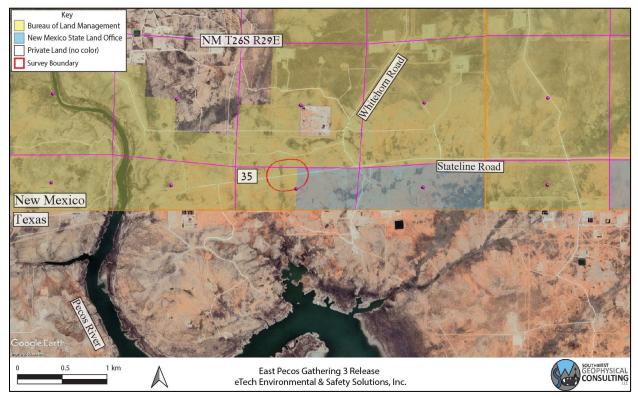


Figure 2: Land ownership and PLSS overview. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

2.2 Local Geology Summary

The site for the EPG3 survey is located at an elevation of 876 meters (2,874 feet), \pm 4 meters (13.1 feet), and is located within a region entirely underlain by the Permian Dewey Lake (Pdl) and Rustler (Pru) Formations. The area is mantled by thin gypsiferous soils (gypsite), Quaternary alluvium (Qal) and eolian sands (Qe)^[11] up to 5 meters in depth (**Figure 3**).

The Dewey Lake Formation is composed of calcite-cemented, hematite-stained quartz sand grains^[12] and occasional gypsum lenses and can, in favorable conditions, form cavernous porosity within 30 meters of the top of the Rustler Fromation^[13]. The Dewey Lake Formation is also known to be highly fractured near areas of heavy halite dissolution such as Nash Draw (approximately 30 kilometers north), and these fractures can act as hydrologic conduits.

The Rustler Formation is an evaporite facies and is composed mainly of thin siltstones and sandstones interbedded with claystones, dolomite and gypsum^[12], and contains both karstforming strata (the Forty-niner and Tamarisk members) and two shallow aquifers (the Magenta and Culebra Dolomite members). The Forty-niner and Tamarisk members are known to have highly developed karst features including large voids and solution-enlarged fractures^[14].

The survey area is covered by the easily accessible Geologic Map of New Mexico (2003) at 1:500,000 scale^[15] and the Digital Geologic Map of New Mexico in ARC/INFO Format^[11].

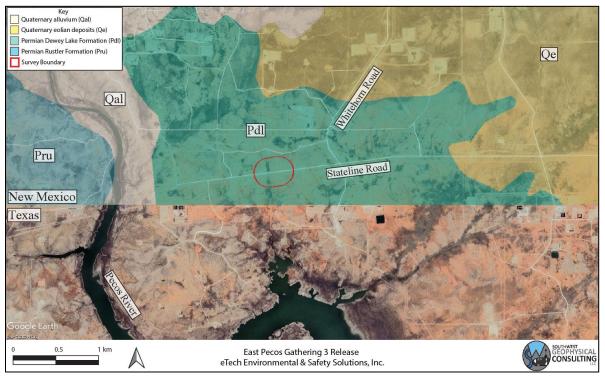


Figure 3: Geology overview. Geology map credit: The Digital Geologic Map of New Mexico in ARC/INFO Format. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

2.3 Description of Survey

2.3.1 Surface Karst Inventory

Southwest Geophysical Consulting, in partnership with SWCA Environmental Consultants, provides aerial karst surveys using small, uncrewed aerial systems (sUAS) that are flown by qualified, FAA licensed drone pilots and that meet the stringent Bureau of Land Management – Carlsbad Field Office requirements for both pedestrian and aerial karst surveys.

The aerial karst survey includes a surface karst desk study prior to the flight which allows us to provide client feedback in the event of any previously known karst features in the area. The desk study is performed out to 305 meters (1,000 feet) from the spill delineation boundary per New Mexico Oil Conservation Division guidance^[1] (**Figure 4**). The study was performed using satellite and aerial imagery from Google Earth Pro dated March 20, 2023 (please note features less than one meter in diameter are generally not visible using this method); the Southwest Geophysical Cave and Karst Database dated March 3, 2025^[16]; the Ross Ranch, NM, 1:24,000 quad, 1968, USGS topographic map; and the latest lidar imagery from CalTopo.com. Please note that we use older topographic maps because newer maps have had caves removed from them. These searches and queries returned no results within the survey boundary.

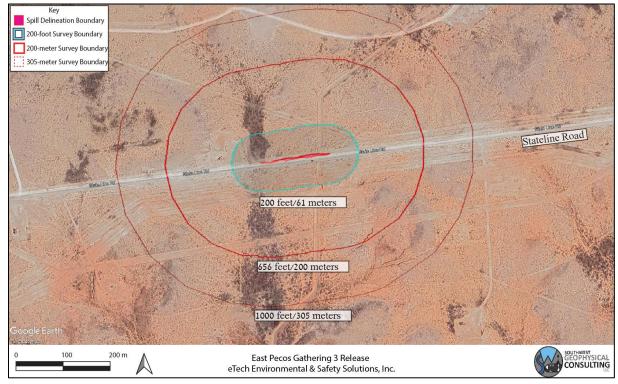


Figure 4: Surface survey overview. Background image credit: Google Earth. Image date: March 20, 2023. Datum: WGS-84.

Aerial karst surveys are conducted at low elevation within 200 meters of the spill delineation boundary^[4] (**Figure 4**) following a preplanned raster pattern flightpath designed for the purpose of generating at least 75% imagery overlap. The collected high-resolution, georeferenced imagery is stitched together to develop orthomosaic imagery which is further developed into a digital elevation model (DEM); the DEM is then processed into a local relief model (LRM) (**Figure 6**). This LRM is color coded to enhance differences in elevation of as little as five centimeters. The orthoimagery, DEM, and LRM are uploaded to a server where they are analyzed by an experienced karst geologist. Finally, the data is reviewed by a senior karst geologist for quality assurance and downloaded into a table for inclusion in a written report^[17].

The resolution of the orthoimagery is clear enough that features as small as 10 centimeters can be positively identified in most circumstances. Occasionally there are ambiguous features identified during an aerial survey that will need to be checked in the field if they are impacted by the proposed remediation efforts. Specifically, it is difficult to tell the difference between solution tubes, abandoned uncased well bores, and some burrows in drone imagery. If an ambiguous feature is located during imagery analysis, it is marked with a yellow dot in **Figure 6**. If a feature of any likelihood is subsequently verified in the field prior to publication of the report, the dot will be changed to a red triangle if confirmed as a karst feature or deleted if not.

The imagery for this study was collected via aerial survey by Pat Lagodney of SWCA on February 13, 2025. Surface karst features may have developed after this date and will not be noted in this report. Imagery analysis was completed by Kat Knight of Southwest Geophysical Consulting on February 25, 2025.

2.3.2 Geophysical Survey

For this survey, an Advanced Geosciences Inc. (AGI) SuperSting™ Wifi R8 with a multielectrode switchbox, a 42-electrode array of 40-centimeter-long electrodes, and a tablet controller were used to image the subsurface. This survey consisted of two orthogonal resistivity lines in a dipole-dipole configuration laid out west to east. Both lines consisted of 42 electrodes at 5-meter spacing, resulting in 205-meter-long arrays (**Figure 5**, **Table 1**). A preconfigured command file was used to run the data collection (DiDi42). This electrode configuration provided a depth of investigation of 41 meters (135 feet) and a resolution of 2.5 to 3.0 meters (8.2 to 9.8 feet) within the first 5 to 8 meters (16 to 26 feet) from the surface. A Leica GS18 GPS was used to record electrode locations and elevations.

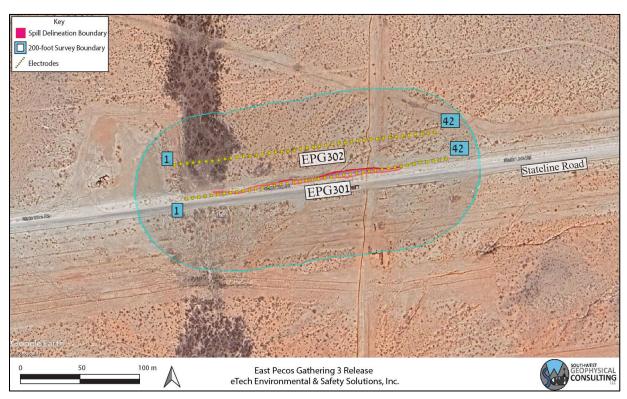


Figure 5: Geophysical survey overview. Two survey lines were conducted with 42 electrodes each at 5-meter spacing (yellow dots denoted with blue numbers). Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

Table 1 provides basic line data. Detailed information for each line including electrode number, location in latitude/ longitude (decimal degree format), and elevation in meters can be found in the accompanying data files.

Table 1: Survey Line Data Table. The .kmz file contains all the points for the survey line listed in the file name. These data are available in the accompanying files EPG3 _ERI_Points.xlsx and ETEC-011-202510124_EPG3_Data_Files.kmz.

File Name:	Completed By:	Date:
EPG301.kmz	Garrett Jorgensen Olague – Senior Field Geologist Britt Bommer – Field Geologist Kat Knight – Field Geologist	02/27/2025
EPG302.kmz		03/27/2025

EarthImager[™] 2D software was used to download and process the data and to provide the model used to make our interpretations. The design of the survey and the orientation of each of the lines provides the information necessary to make the determination of "stable" or "unstable" ground at this site.

A typical starting model was used for the data processing due to the two-layer model of the geology in the area; specifically, generally high-resistivity gypsum and dolomite at the surface and low-resistivity saturated gypsum and dolomite bedrock at depth. The starting model used was "average apparent resistivity" and a default inversion setting of "surface," with a minimum apparent resistivity set to 0.1 Ohm-meters (Ohm-m or Ω -m) and a max apparent resistivity set to 100,000 Ω -m (**Table 2**).

Table 2: Software Information and Settings

Software Name:	EarthImager [™] 2D
Version:	2.4.4.649
Starting Model:	Average Apparent Resistivity
Default Inversion Settings:	Surface
Changes to Default Inversion Settings:	Max Apparent Resistivity = 100 kΩ-m
	Min Apparent Resistivity = 0.1 Ω-m

Note: Raw data files (.stg files for EarthImager[™] 2D) and processed data (.trn files, terrain files for surface correction in EarthImager[™] 2D and .out files, the processed .stg files) are available upon request.

All field work, including setup, stow, and travel, was completed by Garrett Jorgensen Olague, Britt Bommer, and Kat Knight on March 27, 2025.

3.0 RESULTS

3.1 Surface Karst Survey

The desk study and surface karst survey showed no surface karst features within the 200-foot (61-meter)^[1] karst survey boundary.

One recognized surface karst feature is located within the 200-meter survey boundary, but outside of the 200-foot limit surrounding the spill delineation boundary (**Figure 6**, **Table 3**). Recognized surface karst features are features that are positively identified in either satellite or aerial imagery as karst features and the features have been visited by a qualified karst professional in the field and fully identified. Images for the features are available on request.

No springs exist within the 1,000-foot (305-meter)^[1] survey boundary.

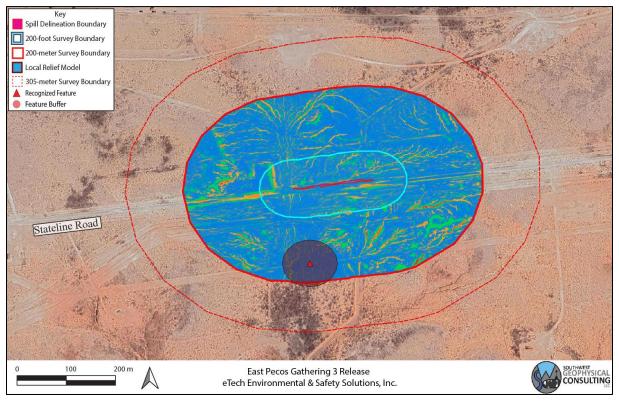


Figure 6: Aerial karst survey results. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

Caution should be exercised while operating in or around all karst-related features due to the possibility of near-surface voids. Employing a BLM-CFO approved karst monitor on site during these activities should be considered.

Table 3 contains a list of features identified during the aerial karst survey and subsequent imagery analysis. Each feature is identified with a feature identification number (Feature ID), the type of feature, estimated size (in meters), recommended buffer (in meters), the likelihood of this feature being a surface karst feature (modifiers H/M for high or medium likelihood, V for field verified), and its location in WGS-84/UTM-13 (EPSG: 32613).

Table 3: Surface Karst Feature Data Table

KF			Size	Buffer			
Status	Feature ID	Туре	(m)	(m)	Modifier	Easting	Northing
RKF	250225-R14	Collapse feature	1.1	50	V	598500.683	3541211.979

NOTE: Location data provided in WGS-84/UTM 13N. RKF - recognized karst feature.

3.2 Geophysical Survey

Electrical resistivity tomography forms images of the subsurface by causing a current to flow through the rock and soil and then measuring the resistance of these materials as the current flows through them. This measurement is taken many times and the resulting data, once processed, is used to produce a model of the subsurface (**Figure 7**). This model is produced using "non-unique" solutions, which means that there are many models and interpretations which will satisfy the data. Using experience and knowledge of the local geology, a high-confidence model can be established and used to develop an accurate understanding of what lies below the surface. This survey was conducted with the express purpose of locating subsurface voids and does not purport to find paleokarst (old, non-active karst features that have been filled in with sand and sediment) or nascent karst features below the resolution limit of the survey.

The results of this study indicate a moderately well-layered geologic system with resistivities between 1.1 and 547 Ohm-m (**Figure 7**). Please keep in mind when viewing the 2D inverted resistivity sections that color maps can be widely different for each view. Always check the color map located on the right side of the image when viewing the 2D images to ensure you understand the range of resistivities presented. Distances along the top and depths along the left side are in meters. The color map along the right side is in Ohm-m. Due to the nature of the survey, shallower zones have higher resolution between electrodes than deeper zones; therefore, small features at depth will not be visible.

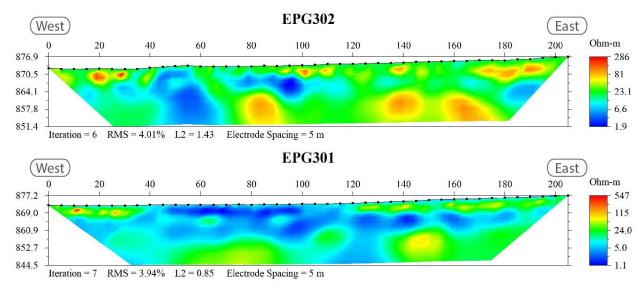


Figure 7: 2D inverted resistivity sections. Reds and oranges indicate higher resistivity values. Yellows and greens are medium-resistivity values. Blues are low-resistivity values. Please note that the color scale is relative.

4.0 DISCUSSION

The desk study and surface karst survey results show one collapse feature along a pipeline trench. This feature could be associated with soil subsidence within the trench, but could also be due to soil raveling into a subsurface void. This feature is well outside of the 200-foot boundary around the spill delineation zone.

No anomalies consistent with air-filled subsurface voids are found within the EPG3 survey area. However, small solutionally enlarged voids or fractures at or near the resolution limit of the survey (1.5-2.0 meters) may be present. Slightly higher-than-average resistivity areas less than 10 meters beneath the surface are interpreted as sand, caliche, or gypsite soils. Due to their much lower resistivity values when compared with significant subsurface voids, these features should not be a concern during remediation efforts. Areas of moderate resistivity (yellows, and greens) near the surface are interpreted as sand, caliche, or sandstone of the Dewey Lake Formation^[18] (**Figure 7** and **Figure 8**).

Very low-resistivity areas between 1.1 - 5 Ohm-m may either represent fluid from the brine release, surface-to-subsurface hydrologic pathways, or a layer of either clays and halite lenses or moist or saturated layers within the Dewey Lake or Rustler Formations. (**Figure 7**).

Please remember that these are interpretations made from knowledge of the local subsurface materials and experience. **They remain interpretations until verified by geotechnical methods.** Employing a BLM-CFO approved karst monitor on site during any drilling and/or remediation activities that require excavation below four feet in depth should be considered.

Fracture sets within the subsurface can act as hydrologic pathways to the water table. Rapid dissolution of gypsum can occur along these pathways creating solution-enlarged fractures, and in some cases, voids within months to years. For this reason, this survey is valid only for this remediation event.

Within karst terrains like the project site, small air- or sediment-filled voids and/or brecciated zones and solutionally enlarged fractures that are below the resolution limit of the survey (2.5 - 3.0 meters) may exist; these may be encountered during excavation, and if so, should be evaluated by a karst specialist prior to continued work.

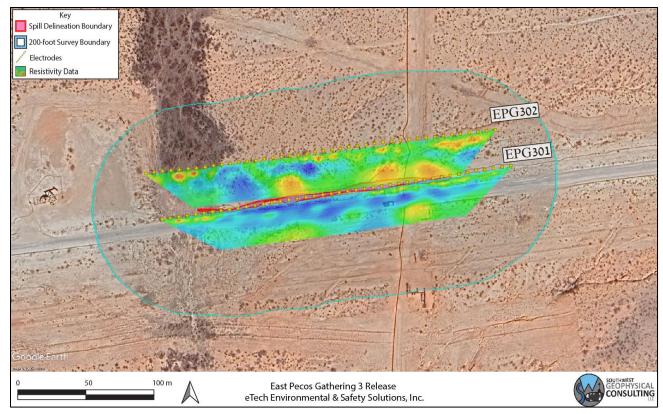


Figure 8: Data overlay. Colored trapezoids are 2D inverted resistivity lines. Background image credit: Google Earth. Image date: March 20, 2023.

5.0 SUMMARY

- The EPG3 survey contains no surface karst features within 200 feet (61 meters) of the spill delineation boundary.
- One recognized surface karst feature was located outside of the 200-foot boundary, but within the 200-meter survey boundary.
- No shallow anomalies interpreted as large voids or related karst features that would present a danger to equipment operators are located within the survey area.
- Intercepting a void during remediation is unlikely, but still possible. Small voids or solutionally enlarged fractures below the resolution limit of the survey may be encountered.
- Well-layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted, indicating stable ground.
- When conducting any remediation activities in this area, employing a BLM-CFO approved karst monitor on site should be considered.

6.0 DISCLOSURE STATEMENT

High karst occurrence zones are prone to rapid karst formation and warrant careful planning and engineering to mitigate karst-forming processes that could be accelerated by removal of surface cover or the vibrations associated with heavy equipment used in the remediation process.

Mitigation measures for any karst features revealed during excavation shall be approved by the Bureau of Land Management – Carlsbad Field Office and follow the Natural Resources Conservation Service Conservation Practice Standard for Karst Sinkhole Treatment, Code 527, or the Bureau of Land Management Cave and Karst Management Handbook, H-8380-1.

Vigilance during remediation activities is paramount. If voids are encountered during excavation, contact the Bureau of Land Management Karst Division at (575) 234-5972, the New Mexico State Land Office Surface Resources Division at (505) 827-5768, or a BLM-CFO approved karst contractor and request an on-site investigation from a karst expert if one is not already on site. A karst consultant can generally be available in Eddy County within five hours.

Approved karst monitors should have karst feature identification training, at least two years of supervised experience identifying karst features, wilderness first aid training, SRT training, confined space training, gas monitor training, and a minimum of SPAR cave rescue training through NCRC. They should have with them the proper gear and be prepared both physically and mentally to enter a collapse feature within minutes to perform a rescue if needed. Monitoring services with qualified karst monitors, as well as cave surveys and geophysical surveys, are available from Southwest Geophysical Consulting.

Under no circumstances should an untrained, inexperienced person enter a cave, pit, sinkhole, or collapse feature. All field employees of Southwest Geophysical Consulting have extensive caving experience and the ability to determine whether entry into a karst feature is safe or presents a hazard. In the event it is necessary to enter a karst feature, Southwest Geophysical Consulting can provide these services on request.

Cave and karst resource inventory reports, karst feature investigations, and geophysical reports commissioned at the request of the land manager should be submitted to:

BLM-CFO: blm nm karst@blm.gov

Cave and karst resource inventory reports for the NMSLO should be submitted to the respective project manager.

7.0 REFERENCES

- Division, O. C. *Title 19, Chapter 15, Part 29* (Oil Conservation Division, 2018).
- 2 NMSLO. (ed Oil Conservation Division) (New Mexico State Land Office, Santa Fe, NM, 2018).
- Decker, D. & Jorgensen, G. L. *Environmental Karst Surveys White Paper* (Southwest Geophysical Consulting, LLC, 2024).
- 4 Goodbar, J. R. Vol. BLM Management Handbook H-8380-1 (ed Carlsbad Field Office) 59 (Bureau of Land Management, Denver, CO, 2015).
- Decker, D., Trautner, E. & Palmer, R. (Bureau of Land Management Carlsbad Field Office, 2025).
- 6 Earthpoint. *Earthpoint Tools for Google Earth,* https://www.earthpoint.us/Townships.aspx (2022).
- Decker, D. D., Land, L. & Luke, B. Characterization of Playa Lakes in the Gypsum Karst of Southeastern New Mexico and West Texas, USA. *Oklahoma Geological Survey Circular* 113 113 (2021).
- 8 W.R.C.C. National Climate Data Center 1981-2010 Normal Climate Summary for Carlsbad, New Mexico (291469), 2010).
- 9 Whitehead, W. & Flynn, C. *Plant Utilization in Southeastern New Mexico: Botany, Ethnobotany, and Archaeology*. (Bureau of Land Management, Carlsbad Field Office, 2017).
- 10 NMSLO. Digital overlay (KML) of the surface land ownership in New Mexico (New Mexico State Land Office, Santa Fe, NM, 2024).
- Green, G. N. & Jones, G. E. *The Digital Geologic Map of New Mexico in ARC/INFO Format*, https://mrdata.usgs.gov/geology/state/state.php?state=NM (1997).
- Austin, G. S. *Geology and mineral deposits of Ochoan rocks in Delaware Basin and adjacent areas*. Vol. Circular 159 (New Mexico Bureau of Mines and Mineral Resources, 1978).
- Powers, D. W., Lambert, S. J., Shaffer, S.-E., Hill, L. R. & Weart, W. D. Geological Characterization Report, Waste Isolation Pilot Plant (WIPP) Site, Southeastern New Mexico. 726 (Sandia Laboratories, Albuquerque, NM, 1978).
- Goodbar, J. R. & Goodbar, A. in *US Geological Survey Karst Interest Group* (National Cave and Karst Research Institute, Carlsbad, NM, 2014).
- 15 Scholle, P. A. Geologic Map of New Mexico. (2003).

- Decker, D. D., Jorgensen, G. L. & Palmer, R. in *Southwest Geophysical Cave and Karst Database* (ed LLC Southwest Geophysical Consulting) (Albuquerque, NM, 2025).
- 17 Whitehead, W., Bandy, M. & Decker, D. Protocol for Using UAV Photography for Rapid Assessment of Karst Features in Southeast New Mexico. *Proceedings of the 2022 Cave and Karst Management Symposium* (2022).
- Hill, C. A. Geology of the Delaware Basin, Guadalupe, Apache and Glass Mountains, New Mexico and West Texas. Vol. 96-39 (Permian Basin Section SEPM, 1996).

8.0 GLOSSARY OF TERMS

AGI Advanced Geosciences Inc.

BLM-CFO Bureau of Land Management - Carlsbad Field Office

brecciated Fractured rock caused by faulting or collapse.

caprock-collapse sinkhole Collapse of roof-spanning rock into a cave or void.

cave Natural opening at the surface large enough for a person to enter.

cover-collapse sinkhole Collapse of roof-spanning soil or clay ground cover into a subsurface

void.

ERI Electrical Resistivity Imaging
GPS Global Positioning System

grike A solutionally enlarged, vertical, or sub-vertical joint or fracture.

(H) High confidence modifier for a PKF. This is typically reserved for a

feature that is definitely karst but has not been confirmed in the

field.

HKOZ High Karst Occurrence Zone

karst A landscape containing solutional features such as caves,

sinkholes, swallets, and springs.

(L) Low confidence modifier for a PKF. This is typically a feature that

cannot be ruled out as karst but is most likely NOT karst related.

This modifier may also be used for pseudokarst features.

(M) Medium confidence modifier for PKF. This is an ambiguous

feature that can't be positively identified as karst without a field visit (e.g., burrows, abandoned unlined wells, solution tubes,

pseudokarst).

MKOZ Medium Karst Occurrence Zone
NCRC National Cave Rescue Commission

NKF Non-karst feature. Used for features originally identified as PKF

that have been subsequently identified in the field as non-karst related. This term may also be used for pseudokarst features.

NMSLO New Mexico State Land Office

Ohm-meter, a unit of measurement for resistivity. Sometimes

abbreviated Ω -m.

paleokarst Previously formed karst features that have been filled in by

erosion and/or deposition of minerals.

Pat Permian Artesia Group
Pc Permian Capitan Formation

Pcs Permian Castile Formation

Pdl Permian Dewey Lake Formation

PKF Possible karst feature. This term is reserved for features

identified in satellite or aerial imagery that have NOT been visited in the field. Further modifiers include (H) for high confidence, (M) for medium confidence, and (L) for low confidence. These confidence levels are based on field

experience.

PLSS Public Land Survey System

Pqg Permian Queen/Greyburg Formation

Pru Permian Rustler Formation

pseudokarst Karst-like features (sinkholes, conduits, voids etc.) that are not

formed by dissolution. These types of features include soil piping, lava tubes, and some cover-collapse and suffosion sinkholes.

Psl Permian Salado Formation

Psr Permian Seven Rivers Formation

Pt Permian Tansill Formation
Py Permian Yates Formation
Qal Quaternary alluvium

Qe Quaternary eolian deposits
Qp Quaternary piedmont deposits
Qpl Quaternary playa lake deposits

RKF Recognized karst feature. This term is reserved for karst features

that have been physically verified in the field.

SPAR Small Party Assisted Rescue sUAS Small, uncrewed aerial system

suffosion sinkhole Raveling of soil into a pre-existing void or fracture.

swallet A natural opening in the surface, too small for a person, that drains

water to an aquifer. Some are "open," meaning a void can be seen

below; some are "closed, "meaning they are full of sediment.

SWG Southwest Geophysical Consulting, LLC

UTM Universal Transverse Mercator (projected coordinates)

(V) Field verified modifier for a RKF. This indicates that the feature has

been visited by a qualified karst professional in the field and fully

identified

WGS World Geodetic System (geographic coordinates)

9.0 ATTESTATION

David D. Decker, PhD, PG, CPG

Chief Executive Officer, Principal Geologist Southwest Geophysical Consulting, LLC 5117 Fairfax Dr. NW Albuquerque, NM 87114 dave@swgeophys.com (505) 585-2550

CERTIFICATE OF AUTHOR

I, David D. Decker, a Licensed Professional Geologist and a Certified Professional Geologist, do certify that:

- I am currently employed as a consulting geologist in the specialty of caves and karst with an office address of 5117 Fairfax Dr. NW, Albuquerque, NM, USA, 87114.
- I graduated with a Master of Science in Applied Physics with a specialization in Sensor Systems from the Naval Post Graduate School in Monterey, California, in 2003, and a Doctor of Philosophy in Earth and Planetary Sciences from the University of New Mexico, Albuquerque, New Mexico, in 2018.
- I am a Licensed Professional Geologist in the State of Texas, USA (PG-15242) and have been since 2021. I am a Certified Professional Geologist through the American Institute of Professional Geologists (CPG-12123) and have been since 2021.
- I have been employed as a geologist continuously since 2016. I was previously employed as
 a Fire Controlman, Naval Flight Officer, and Aerospace Engineering Duty Officer in the U.S.
 Navy and operated, maintained, and installed various sensor systems including magnetic,
 electromagnetic, radar, communications, and acoustic systems in various capacities from
 1986 through 2010.
- I have been involved in various aspects of cave and karst studies continuously since 1985, including exploration, mapping, and scientific studies.
- I have read the definition of "qualified karst professional" set out in the ASTM Standard Practice for Preliminary Karst Terrain Assessment for Site Development (ASTM E-1527). I meet the definition of "qualified professional" for the purposes of this standard.
- I am responsible for the content, compilation, and editing of all sections of report number ETEC-011-20250124 entitled, "Environmental Karst Study Report, East Pecos Gathering 3, Eddy County, New Mexico." I or a duly authorized and qualified representative of Southwest Geophysical Consulting, LLC, have personally visited this site and/or reviewed the aerial imagery on the date or dates mentioned in section 2.3 Description of Survey.

• I have no prior involvement nor monetary interest in the described property or project, save for my fee for conducting this investigation and providing the report.

Dated in Albuquerque, New Mexico, April 10, 2025.

David D. Decker

PhD, CPG-12123



APPENDIX D

Referenced Well Records

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





GROUNDWATER SAMPLING FORM

DATE (MM/DD/YYYY): 08/25/2025

PROJECT NAME/PROJECT NUMBER: JC Willams Well

SITE/WELL NAME OR NUMBER: JC Williams Well GW Measurement

SITE/WELL COORDINATES: 32.0105289, -103.9534960

CLIENT: WPX Energy Permian, LLC

SAMPLER NAME: Edyte Yokoli

ACTIVITY: Groundwater measurement

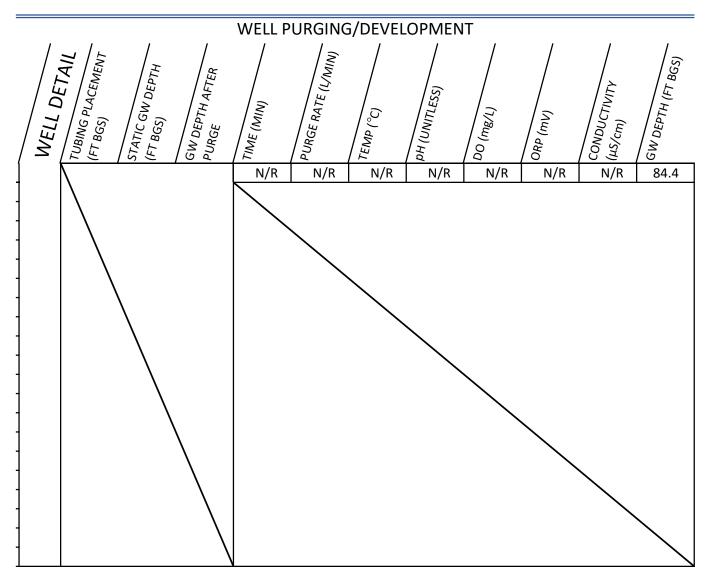
WELL INFORMATION

DEPTH TO GROUNDWATER (DTW): 84.4' SCREEN INTERVAL: N/A

TOTAL DEPTH OF WELL: 151' FIELD SCREENING EQUIPMENT: N/A

SAMPLE TUBING INTAKE DEPTH: N/A EQUIPMENT CALIBRATION DATE AND METHOD: N/A

NOTES: FEET (FT), DEPTH BELOW GROUND SURFACE (BGS), GROUNDWATER (GW), MINUTE (MIN), LITER PER MINUTE (L/MIN), DEGREE (°) CELCIUS (C), DISSOLVED OXYGEN (DO), MILIGRAMS PER LITER (mg/L), OXIDATION-REDUCTION POTENTIAL (ORP), MILLIVOLT (MV), MICROSIEMENS PER CENTIMETER (μS/cm), NOT AVAILABLE (N/A), NOT RECORDED (N/R)



APPENDIX E

Soil Sampling Logs

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



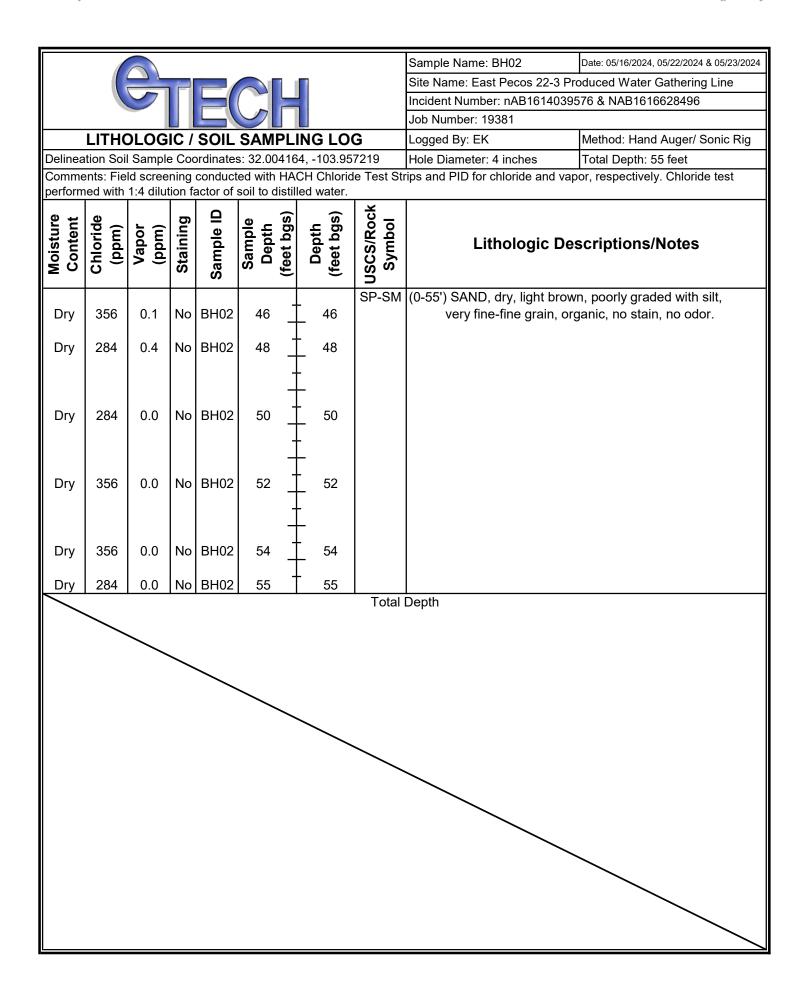
-										
								Sample Name: BH01	Date: 05/16/2024 & 11/07/2024	
									Produced Water Gathering Line	
				100000000000000000000000000000000000000				Incident Number: nAB161403	39576 & NAB1616628496	
								Job Number: 19381		
					SAMPL			Logged By: EK	Method: Hand Auger/ Sonic Rig	
		-			s: 32.00415			Hole Diameter: 4 inches	Total Depth: 55 feet	
					ed with HA0 soil to distill		e Test Str	ips and PID for chloride and v	apor, respectively. Chloride test	
·		1.4 dilai				_	X			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic D	escriptions/Notes	
Dry	<124	0.5	No		0.5	0.5	SP-SM	I	t brown, poorly graded with silt,	
Dry	<124	0.7	No	BH01	1 _	_ 1		very fine-fine grain, o	organic, no stain, no odor.	
Dry	<124	0.4	No	BH01	2	- - 2		@ 2' Some gravel (1-2mm), no organic.	
					-	- -		@4' Color Change from lig	ht brown to reddish brown.	
Dry	Ory <124 0.2 No BH01 4 + 4							@0-4' Utilized hand auger.		
								@4-55' Utilized sonic rig.		
Dry	<116	0.0	No	BH01	6	- 6				
Dry	<116	0.8	No	BH01	8 _	- - - 8 -				
Dry	<116	0.0	No	BH01	10 _	- _ 10 -				
Dry	<116	0.0	No	BH01	12	_ - _ 12 -		@ 12.5' Some mottling.		
Dry	<116	0.1	No	BH01	14 _	_ _ 14 _		@ 14.5' Some mottling.		
Dry	<116	0.2	No	BH01	16	_ - _ 16 -		@ 16' Color change to pur	ple, decrease in silt.	
Dry	<116	0.0	No	BH01	18 <u>-</u>	- - - 18 - -				

								Sample Name: BH01	Date: 05/16/2024 & 11/07/2024		
									Produced Water Gathering Line		
								Incident Number: nAB161403	9576 & NAB1616628496		
								Job Number: 19381			
					SAMPL			Logged By: EK	Method: Hand Auger/ Sonic Rig		
II		-			s: 32.00415			Hole Diameter: 4 inches	Total Depth: 55 feet		
					ted with HA soil to distill		e Test Str	ips and PID for chloride and v	apor, respectively. Chloride test		
Moisture Content	Chloride (ppm)			Sample ID	Sample gentle Ge	Depth (feet bgs)	Lithologic D	escriptions/Notes			
	.440	0.4		DUIGA		- 00	SP-SM	, ,	t brown, poorly graded with silt,		
Dry	<116	0.1	No	BH01	20 _	_ 20			organic, no stain, no odor.		
Dry	<116	0.1	No	BH01	22	22		@ 20' color change to reddish brown, trace reduction spots.			
,								@ 22.5' no reduction spots	, increase in silt to abundant.		
D	4440	0.4	NI -	DUGA		- 04					
Dry	<116	0.1	No	BH01	24 _	_ 24					
					-	-					
						_					
Dry	<116	0.0	No	BH01	26	26					
						-					
					-	_					
Dry	<116	0.0	No	BH01	28	- 28					
					-	_					
						_					
				DUG.							
Dry	<116	0.0	No	BH01	30 _	_ 30					
					-	-					
						_					
Dry	<116	0.1	No	BH01	32	_ 32					
						_					
					-	_					
Dry	<116	0.2	Nο	BH01	34	- 34					
5, 8	-110	٥.۷	10		~ -	_ 54		@ 34.5' Some reduction sp	oots.		
						_					
]						
Dry	<116	0.0	No	BH01	36	_ 36					
					-	-					
					-	_					
Dry	<116	0.0	No	BH01	38	- 38					
						_					
						_					

								Sample Name: BH01	Date: 05/16/2024 & 11/07/2024				
								Site Name: East Pecos 22-3 F	Produced Water Gathering Line				
								Incident Number: nAB161403	9576 & NAB1616628496				
								Job Number: 19381	_				
	LITHO	DLOG	IC /	SOIL	SAMPL	ING LO	G	Logged By: EK	Method: Hand Auger/ Sonic Rig				
		-				54, -103.95		Hole Diameter: 4 inches	Total Depth: 55 feet				
					ted with HA soil to distil		e Test Str	rips and PID for chloride and v	apor, respectively. Chloride test				
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)		USCS/Rock Symbol	_	escriptions/Notes				
Dry	<116	0.1	No	BH01	40 _	40	SP-SM	' ' ' ' ' ' '	t brown, poorly graded with silt, organic, no stain, no odor.				
Dry	<116	0.1	No	BH01	42	42							
Dry	240	0.0	No	BH01	44 <u>-</u>	44							
Dry	<116	0.0	No	BH01	46 <u>-</u>	46							
Dry	<116	0.0	No	BH01	48 <u>-</u>	48		@ 47.5' About 3" of mottlin	g.				
Dry	<116	0.0	No	BH01	50 _	50		@ 50' Color change to red	with traces of yellow mottling.				
Dry	<116	0.0	No	BH01	52 <u> </u>	52 -							
Dry	<116	0.0	No	BH01	54 _	54							
Dry	<116	0.0	No	BH01	55	55							
							Total	Depth					
			_	_									
						_							
								_					

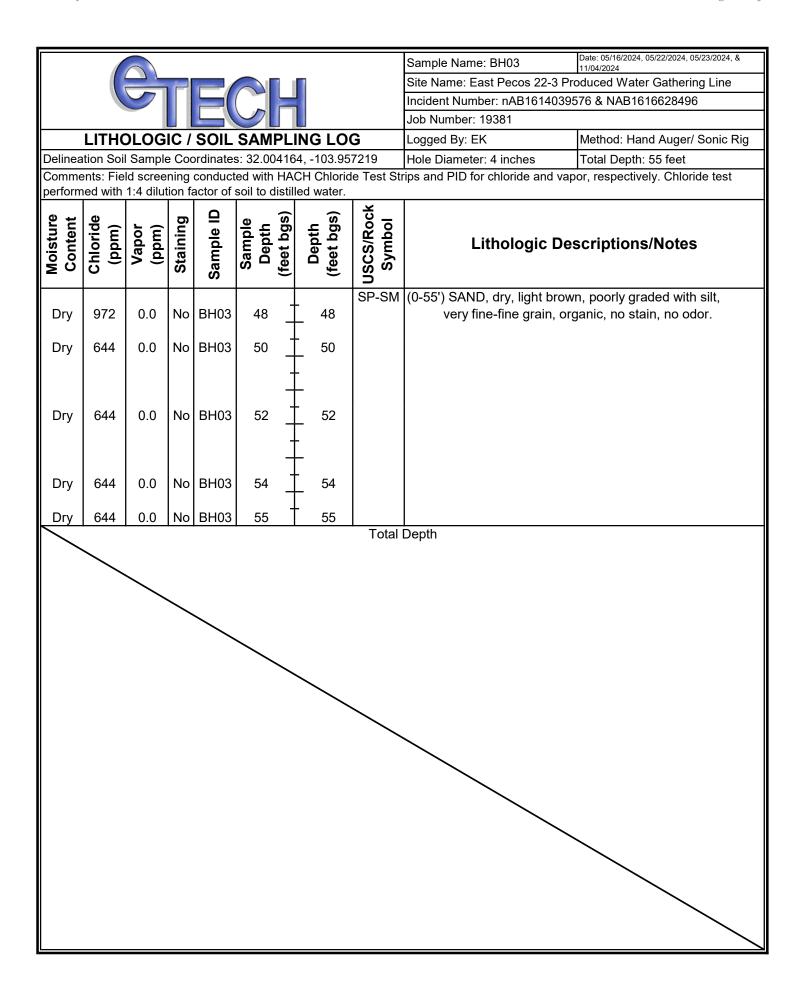
								Sample Name: BH02	Date: 05/16/2024, 05/22/2024 & 05/23/2024	
								Site Name: East Pecos 22-3 Pro		
		9						Incident Number: nAB16140395	576 & NAB1616628496	
								Job Number: 19381		
						ING LO		Logged By: EK	Method: Hand Auger/ Sonic Rig	
						64, -103.95		Hole Diameter: 4 inches	Total Depth: 55 feet	
							e Test Str	rips and PID for chloride and vap	or, respectively. Chloride test	
	Content Chloride Chlo							Lithologic Des	scriptions/Notes	
≥ 0	ပ		တ	Sa	ے س	🛎	SU S			
Dry Dry	952 1,188	0.4 0.3	No No	BH02 BH02	0.5 1	0.5 1	SP-SM	(0-55') SAND, dry, light brown very fine-fine grain, org	n, poorly graded with silt, ganic, no stain, no odor.	
Dry	1,188	0.8	No	BH02	2 _	2		@ 2' Color Change from light some gypsum (1-5mm)		
Dry								@ 8' Increase silt from some	to abundant.	
Dry	1,188 0 No BH02 6 <u>+</u> 6					6		@ 0.5-16' Utilized hand auger.		
Dry	1,696	0.1	No	BH02	8 _	8				
Dry	1,694	0.4	No	BH02	10 <u> </u>	10		@ 10' Color change to dark be reduction spots.	prown, trace gypsum, trace	
Dry	2,472	0.0	No	BH02	12 -	12				
Dry	2,472	0.0	No	BH02	14 _	14				
Dry	2,244	0.0	No	BH02	16	15 16		@ 15' Color change to brown no gypsum.	n, decrease in reduction spots,	
Dry	2,244	0.0	No	BH02	17 _	17		@ 17' Refusal.		
Dry	1,600	0.3	No	BH02	18 <u>-</u> -	18 -		@ 16-55' Utilized sonic rig.		
Dry	1,496	0.1	No	BH02	20 _	20				
Dry	1,716	0.2	No	BH02	22 <u> </u>	22				
Dry	1,396	0.5	No	BH02	24 _	24				

								Sample Name: BH02	Date: 05/16/2024, 05/22/2024 & 05/23/2024	
			43330						Produced Water Gathering Line	
								Incident Number: nAB1614039	9576 & NAB1616628496	
								Job Number: 19381		
					SAMPL			Logged By: EK	Method: Hand Auger/ Sonic Rig	
ll e		-			s: 32.00416			Hole Diameter: 4 inches	Total Depth: 55 feet	
					ted with HA soil to distil		e Test Str	ips and PID for chloride and va	por, respectively. Chloride test	
periorii	led With	1.4 ullul	1011 16				×			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic De	escriptions/Notes	
ΣO	Charles Char						SUS			
Dry	1,212	0.8	No	BH02	26	- _ 26	SP-SM	` ,	wn, poorly graded with silt, rganic, no stain, no odor.	
Dry	1,212 0.7 No BH02 28 <u>+</u> 28					- 28				
Dry	y 1,128 0.0 No BH02 30 ± 30									
Dry	1,212	0.5	No	BH02	32	- - 32				
ріу	1,212	0.5	INO	БПОZ	32 -	- ³²				
					_	-		@ 33' Increase of reduction	spots	
Dry	1,300	0.1	No	BH02	34 _	_ 34				
					_	-				
Dry	900	0.4	No	BH02	36	36				
					_	_				
Dry	1,128	0.0	Nο	BH02	38	- - 38				
,	.,0	3.5			~~ -	- " -				
Dry	828	0.1	No	BH02	40	40				
						-				
Dry	972	0.3	No	BH02	42 _	42				
					-	-		@ 43' About 4" of abundant	gypsum	
					-	- -		10 / 10 out + of abundant	. 976-2011	
Dry	356	0.1	No	BH02	44 _	_ 44				
					-	-				
						_				



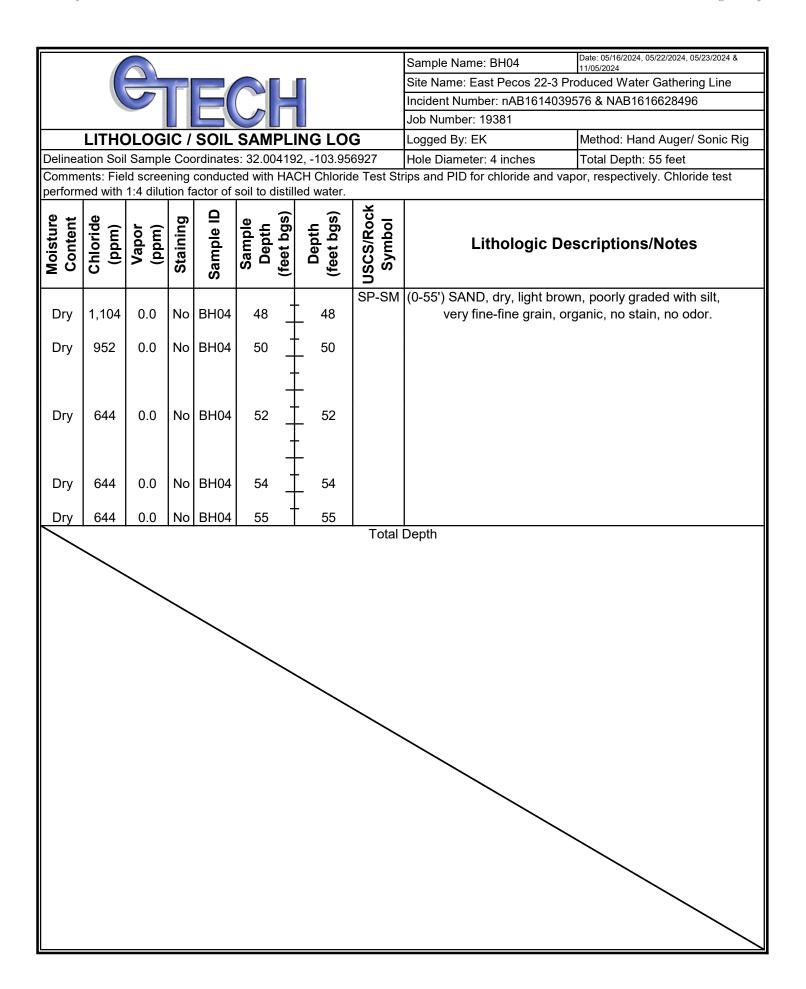
								Sample Name: BH03	Date: 05/16/2024, 05/22/2024, 05/23/2024, & 11/04/2024
									Produced Water Gathering Line
								Incident Number: nAB161403	9576 & NAB1616628496
								Job Number: 19381	
	LITHO	LOG	IC /	SOIL	SAMPL	ING LO	G	Logged By: EK	Method: Hand Auger/ Sonic Rig
						16, -103.95		Hole Diameter: 4 inches	Total Depth: 55 feet
					ed with HA soil to disti		le Test Str	rips and PID for chloride and va	apor, respectively. Chloride test
репоп	lea with	1.4 ullul	1011 18	_	SOII TO GISTI		<u> </u>		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic De	escriptions/Notes
Dry	<124	0.4	No	BH03	0.5	0.5	SP-SM	(0-55') SAND, dry, light bro	
Dry	1,104	0.3	No	BH03	1 _	<u> </u>		very fine-fine grain, o	organic, no stain, no odor.
Dry	4,400	0.5	No	BH03	2 _	2			
Dry	5,592 0.4 No BH03 4 <u> </u> 4							@ 4' Abundant silt	
						<u> </u>			
Dry	ry 7,140 0.0 No BH03 6 + 6								
Dry	6,576	0.0	No	No BH03 8 8					
Dry	2,252	0.0	No	BH03	10	10		@ 10' Decrease silt from al	bundant to some
Dry	1,696	0.0	No	BH03	12	12			
Dry	1,532	0.0	No	BH03	14 _	14			
Dry	1,800	0.0	No	BH03	16	16		@ 16' Some gypsum	
Dry	3,516	0.0	No	BH03	18	18			
Dry	2,708	0.0	No	вноз	20 _	20			
Dry	2,708	0.0	No	BH03	22 _	22			
Dry	3,516	0.0	No	BH03	24	24			
Dry	1,696	0.0	No	BH03	24 	24			
Dry	1,104	0.0	No	BH03	26	26			

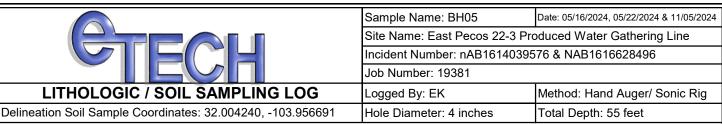
-										
								Sample Name: BH03	Date: 05/16/2024, 05/22/2024, 05/23/2024, & 11/04/2024	
			1000						Produced Water Gathering Line	
								Incident Number: nAB16140	39576 & NAB1616628496	
								Job Number: 19381		
					SAMPL			Logged By: EK	Method: Hand Auger/ Sonic Rig	
		-			s: 32.00421			Hole Diameter: 4 inches	Total Depth: 55 feet	
					ed with HA soil to distil		le Test Str	rips and PID for chloride and v	vapor, respectively. Chloride test	
Moisture Content	Chloride (ppm)			Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes		
Dry	2,708	0.0	No	BH03	28 _	_ 28	SP-SM	1,	own, poorly graded with silt, organic, no stain, no odor.	
Dry	2,708	0.0	No	BH03	30 _	30				
Dry	2,708	0.0	No	BH03	32 _	- - - 32 -				
Dry	1,696	0.0	No	BH03	34 _	- - 34 -				
Dry	1,532	0.0	No	BH03	36 _	_ - _ 36 -				
Dry	1,532	0.0	No	BH03	38 _	- - 38 -				
Dry	1,532	0.0	No	BH03	40 _	_ _ 40 -				
Dry	1,532	0.0	No	BH03	42 _	42 				
Dry	1,104	0.0	No	BH03	44 _	_ - _ 44 -				
Dry	1,104	0.0	No	BH03	46 _ -	_ _ 46 _ -				



i 	_								Date: 05/16/2024 05/22/2024 05/22/2024 0	
								Sample Name: BH04	Date: 05/16/2024, 05/22/2024, 05/23/2024 & 11/05/2024	
								Site Name: East Pecos 22-3 Pro		
								Incident Number: nAB16140395	576 & NAB1616628496	
<u> </u>	=	100				IN C 1 C 1		Job Number: 19381	T	
<u> </u>						LING LO		Logged By: EK	Method: Hand Auger/ Sonic Rig	
		=				92, -103.956		Hole Diameter: 4 inches	Total Depth: 55 feet	
						illed water.	e rest Stri	ps and PID for chloride and vapo	or, respectively. Unloride test	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth	Depth (feet bgs)	USCS/Rock Symbol	_	scriptions/Notes	
Dry Dry	1,800 2,924	0.3 0.6		BH04 BH04	0.5 1	0.5	SP-SM	(0-55') SAND, dry, light brown	n, poorly graded with slit, ganic, no stain, no odor.	
	2,024	0.0	110	БПОТ	· ·	十 '		vory into title grain, org	garno, no stant, no saor.	
Dry	4,060	0.2	No	BH04	2	<u> </u>		@ 2' Color Change from light	t brown to reddish brown	
								no more organic.		
Dry	Ory 6,064 0.2 No BH04 4 4							@0-20' Utilized hand auger.		
						†		100-20 Otilized Harid adger.		
Dry	10,068	0.0	No	BH04	6	十 6				
						Ţ				
						1		34.6		
Dry	11,028	0.0	No	BH04	8	+ 8		@ 8' Increase silt from some	to abundant	
Dry	8,448	0.0	No	BH04	10	† 10				
					,	Ť				
_						Ĭ.,				
Dry	1,228	0.0	No	BH04	12	12				
Dry	3,744	0.0	No	BH04	14	十 14		@ 14' Some gypsum.		
	,					Ţ		3,1		
						Ţ				
Dry	1,696	0.0	No	BH04	16	16		@ 16' No gypsum.		
						+				
Dry	952	0.0	No	BH04	18	十 18				
						Ţ				
			.	Duic (20	ļ				
Dry	692	0.0	No	BH04	20					
Dry	1,276	0.0	No	BH04	20	 20		@ 20-55' Utilized sonic rig.		
,	,=: •	-				† <u> </u>				
Dry	3,516	0.0	No	BH04	22	<u> </u>				
Dri	2,924	0.0	NI.	р⊔∩₄	24	+ 24				
Dry	2,924	0.0	INO	BH04	24	+ 24				
Dry	2,924	0.0	No	BH04	26	† 26				
					,	T				
Dry	2,708	0.0	No	BH04	28	28				

-									
								Sample Name: BH04	Date: 05/16/2024, 05/22/2024, 05/23/2024 & 11/05/2024
			alasta (a)						Produced Water Gathering Line
								Incident Number: nAB16140	39576 & NAB1616628496
								Job Number: 19381	
					SAMPL			Logged By: EK	Method: Hand Auger/ Sonic Rig
		-			s: 32.00419			Hole Diameter: 4 inches	Total Depth: 55 feet
					ed with HA		e Test Str	rips and PID for chloride and v	vapor, respectively. Chloride test
periorii	led With	1.4 ullut	1011 16	l _		led water.	×		
Moisture Content	Content Chloride (ppm) Vapor (ppm) Staining Sample Depth (feet bgs) Depth (feet bgs) USCS/Rock Symbol							Lithologic D	Descriptions/Notes
≥ ∪	O		ဟ	Š) <u> </u>	(f	Sn S		
Dry	2,708	0.0	No	BH04	28	- _ 28	SP-SM	, ,	own, poorly graded with silt, organic, no stain, no odor.
Dry	2,708	0.0	No	BH04	30 _	30			
					-	-			
						- -			
Dry	2,708	0.0	No	BH04	32	_ 32			
					-	=			
					-	_			
Dry	1,696	0.0	No	BH04	34 _	_ 34			
]				
						<u>_</u>			
Dry	1,532	0.0	Nο	BH04	36 -	_ 36			
5, ,	1,002	0.0	'	51104	~ ¬	_ 33			
]	<u>-</u>			
			. .						
Dry	1,532	0.0	No	BH04	38 _	_ 38			
					-	-			
						_			
Dry	1,532	0.0	No	BH04	40	40			
						-			
					-	_			
Dry	1,532	0.0	No	BH04	42	42			
	,								
						_			
D	4 404	0.0	N	DI IO	,, -	- 44			
Dry	1,104	0.0	INO	BH04	44 _	_ 44			
					-	-			
						_			
Dry	1,104	0.0	No	BH04	46	46			
						-			
					-	_			
<u> </u>				<u> </u>			<u> </u>	<u></u>	

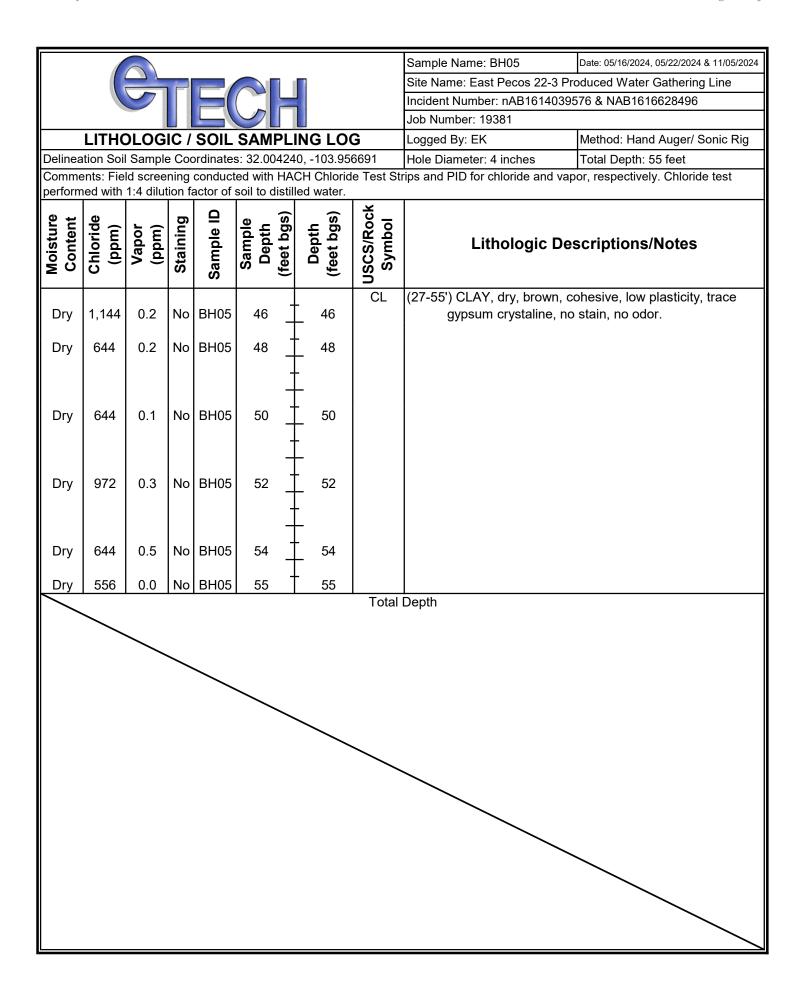




Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

ропопп	erformed with 1.4 dilution factor of soft to distilled water.									
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes		
Dry Dry	1,368 1,800	0.1 0.0	No No	BH05	0.5	0.5 1	SW-SM	(0-4') SAND, dry, brown, well graded with silt, fine-coarse grain, organic, trace gravel no stain, no odor.		
Dry	1,368	0.0	No		2 _	2		@ 2' Color Change from light brown to reddish brown no more organic.		
Dry	4,400	0.3	No	BH05	4 _	4	SP-SM	(4-27') SAND, dry, dark brown, poorly graded with silt, very fine to fine grain, trace gypsum, no stain, no odor.		
Dry	4,060	0.0	No		6 <u>-</u>	6 -		@ 0.5-16' Utilized hand auger.		
Dry	3,452	0.0	No	BH05	8 _	8				
Dry	3,452	0.0	No		10	10		@ 10' Some gypsum		
Dry	1,696	0.0	No	BH05	12 <u>-</u>	12				
Dry	2,252	0.0	No		14 - -	14				
Dry	2,684	0.0	No	BH05	16	16				
Dry	1,836	0.0	No	BH05	16	16		@ 16-55' Utilized sonic rig.		
Dry	1,600	0.3	No	BH05	18 <u>-</u> -	- 18 -				
Dry	1,600	0.0	No	BH05	20 _	20				
Dry	1,836	0.2	No	BH05	22 <u> </u>	- - 22 -				
Dry	1,212	0.5	No	BH05	24 _	24		@ 25' Color change to brown		

								Sample Name: BH05 Date: 05/16/2024, 05/22/2024 & 11/05/202		
								Site Name: East Pecos 22-3 Produced Water Gathering Line		
								Incident Number: nAB1614039576 & NAB1616628496		
								Job Number: 19381		
	LITHO	DLOG	IC /	SOIL	SAMPL	NG LO	G	Logged By: EK Method: Hand Auger/ Sonic Rig		
		-			s: 32.00424			Hole Diameter: 4 inches Total Depth: 55 feet		
					ed with HAG soil to distill		e Test Str	rips and PID for chloride and vapor, respectively. Chloride test		
periorii	eu wiiii	1.4 ullut	1011 16	_	Soli to distili	eu water.	<u>×</u>			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes		
						_	SP-SM			
Dry	1,496	0.3	No	BH05	26	_ 26	01	fine to fine grain, trace gypsum, no stain, no odor.		
Dry	1,396	0.0	No	BH05	28	- _ 28 -	CL	(27-55') CLAY, dry, brown, cohesive, low plasticity, trace gypsum crystaline, no stain, no odor.		
Dry	1,496	0.0	No	BH05	30 _					
Dry	1,040	0.1	No	BH05	32	_ - _ 32 -				
Dry	1,212	0.8	No	BH05	34 _					
Dry	1,300	0.3	No	BH05	36	_ 36 -				
Dry	1,496	0.1	No	BH05	38 _	- - _ 38 -				
Dry	1,292	0.4	No	BH05	40	- - 40 -				
Dry	1,292	0.3	No	BH05	42	_ _ 42 -		@ 42' Increase in gypsum crystaline.		
Dry	1,144	0.5	No	BH05	44	- - - 44 - -				



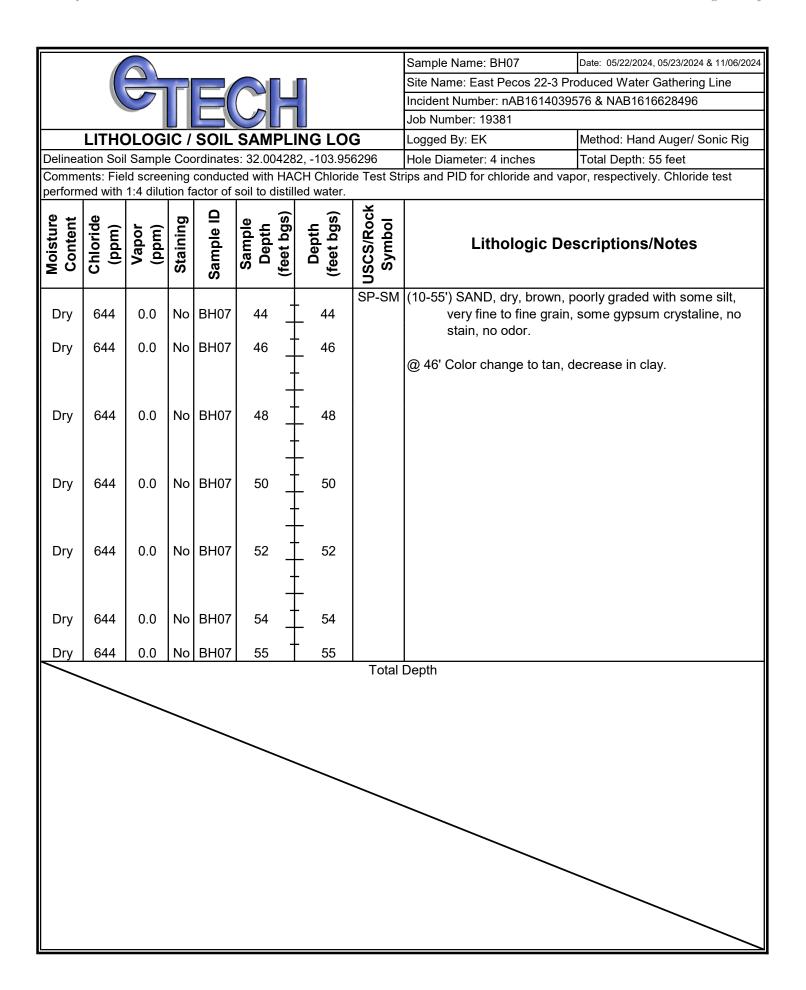
					_			Sample Name: BH06	Date: 05/16/2024 & 11/06/2024
	7		P						Produced Water Gathering Line
				-				Incident Number: nAB16140	39576 & NAB1616628496
								Job Number: 19381	
					SAMPL			Logged By: EK	Method: Hand Auger/ Sonic Rig
		-			s: 32.00426			Hole Diameter: 4 inches	Total Depth: 55 feet
					ed with HA soil to distil		le Test Sti	rips and PID for chloride and v	vapor, respectively. Chloride test
perioriii	eu wiiii	1.4 ullut	1011 16	_	SOII TO GISTII	leu water.	<u> </u>		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic D	Descriptions/Notes
					_	_	SW-SM		well graded with silt, fine-coarse
Dry	<124	0.3	No	BH06	0.5 _	0.5			ne subrounded to rounded gravel
Dry	<124	0.3	No	BH06	₁ -	L 1		(1-2mm), no stain,	no odor.
Dry	<u> </u>	v.s	INO	סטטט	' -	├ '		@ 0.5-4' Utilized hand aug	ger
					-	Ī		leg 0.0 / Camzoa Harra dag	99
Dry	<124	0.4	No	BH06	2	_ 2	SP-SM	,	own, poorly graded with some silt,
								very fine-fine grain,	no stain, no odor.
Dry	<124	0.0	No	BH06	4 -	4			
ріу	\124	0.0	INO	БПОО		- 4			
					-	_			
					_	_			
Dry	<124	0.2	No	BH06	4	_ 4			
					_	_		@ 4-55' Utilzed sonic rig.	
					_	<u> </u>			
Dry	1296	0.0	Na	BH06	- 6				
Dry	1290	0.0	INO	БПОО		6			
					-	-			
					_				
Dry	1,296	0.0		BH06	8 _	8		@ 8' Color change to brov	wn, trace gypsum vein.
						<u> </u>			
					_	L			
Dry	1,612	0.0		BH06	10	10			
ן אוט ן	1,012	0.0		טטו זכו	'0 -	F 10			
					-	<u> </u>			
					_				
Dry	1,292	0.0		BH06	12	12			
						Ļ			
					_	L			
D=.	1 206	0.0		BH06	- 14	14			
Dry	1,296	0.0		סטחם	'4 -	├ ^{'4}			
					-	<u> </u>		@ 15' Decrease in gypsur	m.
					-	<u> </u>		37, 53	

								Sample Name: BH06	Date: 05/16/2024 & 11/06/2024	
									Produced Water Gathering Line	
								Incident Number: nAB1614039576 & NAB1616628496		
								Job Number: 19381		
	LITHO	LOG	IC /	SOIL	SAMPL	ING LO	<u> </u>	Logged By: EK	Method: Hand Auger/ Sonic Rig	
						63, -103.95		Hole Diameter: 4 inches	Total Depth: 55 feet	
					ed with HA soil to distil		e Test Sti	rips and PID for chloride and v	/apor, respectively. Chloride test	
репопп	led with	1.4 dilul	1011 18		son to distil		<u> </u>			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic D	escriptions/Notes	
					_	_	SP-SM		own, poorly graded with some silt,	
Dry	1,296	0.0	No	BH06	16 _	16		very fine-fine grain, ı	no stain, no odor.	
Dry	1,612	0.0	No	BH06	18	L 18				
l Diy	1,012	0.0	INO	DI 100	10 _	 				
Dry	972	0.0	No	BH06	20 _	20				
Dry	900	0.0	No	BH06	22	22				
Dry	1,212	0.0	No	BH06	24 _ - - -	24		@ 22.5 increase in gypsui	m, color change to light brown.	
Dry	1,048	0.0	Nο	BH06	- 26	26		@ 26' Increase in silt.		
Dry	1,212				20 - - - 28	28		20 morease in siit.		
					_	Γ				
Dry	1,048	0.0	No	BH06	30 _	30				
Dry	1,212	0.0	No	BH09	32	32				
Dry	900	0.0	No	вн09	34 _ - -	34				

								Sample Name: BH06	Date: 05/16/2024 & 11/06/2024	
									Produced Water Gathering Line	
								Incident Number: nAB1614039576 & NAB1616628496		
								Job Number: 19381		
					SAMPL			Logged By: EK	Method: Hand Auger/ Sonic Rig	
•••		-			s: 32.00426			Hole Diameter: 4 inches	Total Depth: 55 feet	
					ed with HA soil to distil		le Test Str	rips and PID for chloride and va	apor, respectively. Chloride test	
periorii	eu wilii	1.4 01101	10111	_			<u> </u>			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Do	escriptions/Notes	
Dry	900	0.0	No	BH06	36 _	- 36	CL	(36-48') CLAY, dry, dark tail reduction spots, n	n, cohesive, low plasticity, trace to stain, no odor.	
Dry	972	0.0	No	ВН06	38 _	- - 38 -				
Dry	1,448	0.0	No	BH06	40 _	_ 40 -				
Dry	1,048	0.0	No	BH06	42 _	- - 42 -				
Dry	1,292	0.0	No	BH06	44 _	_ - _ 44 -				
Dry	1,048	0.0	No	BH06	46 _	_ - _ 46 -				
Dry	536	0.0	No	BH06	48 _	- _ 48 -	SP-SM	[` · · · · · · · · · · · · · · · · · · ·	orly graded with abundant silt, n, trace gypsum, crystaline, no	
Dry	644	0.0	No	BH06	50 _	- - 50 -				
Dry	764	0.0	No	BH09	52 <u> </u>	 - 52 				
Dry	484	0.0	No	BH09	54	- - 54				
Dry	484	0.0	No	BH09	55	- 55				
l										

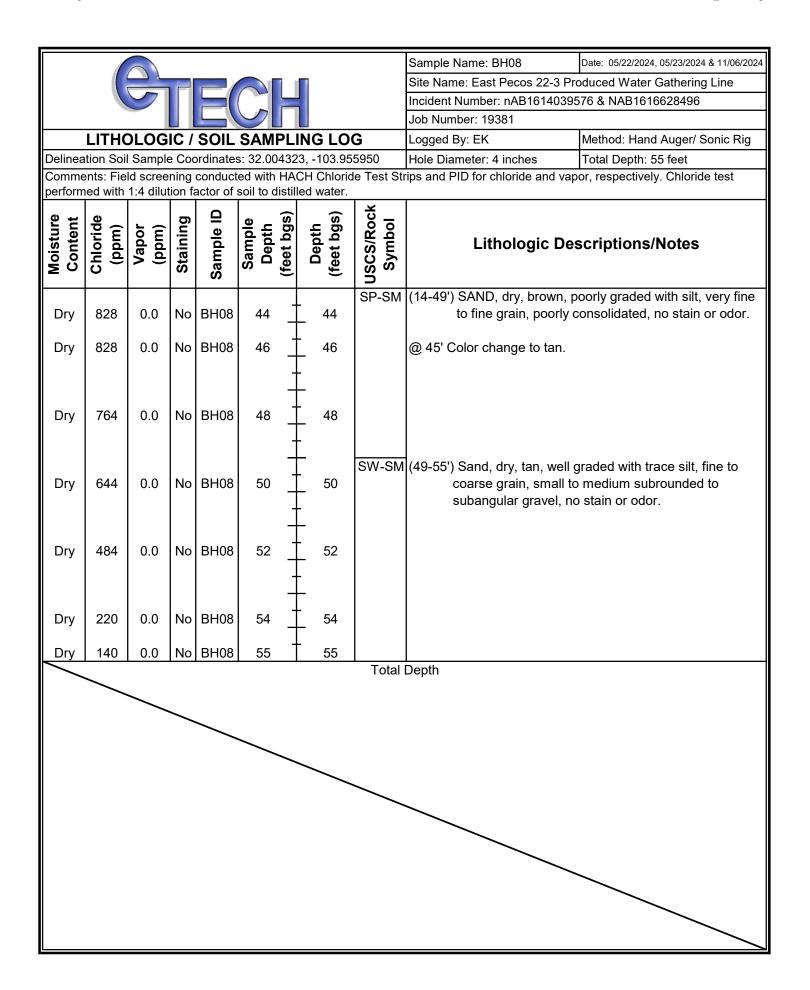
									Sample Name: BH07	Date: 05/22/2024, 05/23/2024 & 11/06/2024	
									Site Name: East Pecos 22-3 Pro		
								Incident Number: nAB1614039576 & NAB1616628496			
									Job Number: 19381		
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK	Method: Hand Auger/ Sonic Rig		
							-103.95		Hole Diameter: 4 inches	Total Depth: 55 feet	
					ed with I soil to dis			e Test Str	rips and PID for chloride and vap	or, respectively. Chloride test	
репоп	led with	1. 4 dilut	1011 10	_	Son to di		water.	×			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	· ·	(reet bgs)	Depth (feet bgs)	USCS/Rock Symbol	_	scriptions/Notes	
Dry	5,592	0.2	No	BH07	0.5	ļ	0.5	SW-SM	I	ell graded with silt, fine-coarse	
Dry	4,764	0.0	No	BH07	1	+	1		grain, organic, some s (1-2mm), no stain, no	subrounded to rounded gravel	
Dry	5,164	0.0	Nο	BH07	2	+	2		(1-211111), 110 Stain, 110	odor.	
	0,104	5.5	10	2,10,		十	_		@ 2' Color Change from light	t brown to reddish brown	
Dry	3,744	0.0	No	BH07	4	Ţ	4		no more organic.		
						Ţ					
 	4 404	0.0		D. 107		+	0		@ 0-12' Utilized hand auger.		
Dry	1,464	0.0	INO	BH07	6	+	6				
						+					
Dry	952	0.0	No	BH07	8	+	8				
						Ť					
Dry	764	0.0	No	BH07	10	\perp	10	SP-SM	(10-55') SAND, dry, brown, p	• •	
Dn/	764	0.0	No	BH07	12	+	12			, some gypsum crystaline, no	
Dry	704	0.0	INO	ВПО1	12	+	12		stain, no odor.		
Dry	764	0.0	No	BH07	12	Ť	12		@ 12-55' Utilized sonic rig.		
						T					
Dry	644	0.0	No	BH07	14	\perp	14				
						\perp					
						+					
Dry	764	0.0	No	BH07	16	+	16				
∥ ′						T					
						Ţ			@ 17' Decrease in gypsum c	rystaline	
		0.0		D1 10-7	40	+	40				
Dry	1,272	0.0	INO	BH07	18	+	18				
						+					
						十					
Dry	972	0.0	No	BH07	20	Ţ	20				
						1					
						+					
Dry	972	0.0	Nο	BH07	22	+	22		@ 22' Color change to dark b	prown_increase in silt	
	012	0.0	10	וטווטו		十			22 Color origingo to dark t	J. S. M., III O O O O III OIIL	
						<u></u>					
<u> </u>						\underline{T}					

								Sample Name: BH07	Date: 05/22/2024, 05/23/2024 & 11/06/2024	
			- I						Produced Water Gathering Line	
								Incident Number: nAB1614039576 & NAB1616628496		
								Job Number: 19381		
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK	Method: Hand Auger/ Sonic Rig	
		-			s: 32.00428			Hole Diameter: 4 inches	Total Depth: 55 feet	
					ed with HA soil to distil		ips and PID for chloride and va	apor, respectively. Chloride test		
Moisture Gontent	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	_	escriptions/Notes	
Dry	1,212	0.0	No	BH07	_ 24	24	SP-SM		poorly graded with some silt, n, some gypsum crystaline,	
,	.,							no stain, no odor.	3,, ,	
Dry	1,396	0.0	No	BH07	26	26				
Dry Dry	1,964 1,212	0.0		BH07	28 _ - - - - 30	- - - 28 - - - - 30				
Dry	1,396	0.0		BH07	32 _	- 30 - - - 32 -		@ 32' Increase in silt, some	e clay.	
Dry	1,496	0.0	No	BH07	34	- - 34 -				
Dry	1,300	0.0	No	BH07	36 <u> </u>	- - 36 -				
Dry	828	0.0	No	BH07	38 _ - -	- - 38 -				
Dry	828	0.0	No	BH07	40 <u> </u>	- _ 40 -				
Dry	644	0.0	No	BH07	42 <u> </u>	- - 42 -				



								I		
								Sample Name: BH08	Date: 05/22/2024, 05/23/2024 & 11/06/2024	
								Site Name: East Pecos 22-3 Produced Water Gathering Line		
				describe a constant		=1		Incident Number: nAB1614039576 & NAB1616628496		
							Job Number: 19381			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK	Method: Hand Auger/ Sonic Rig	
						323, -103.95		Hole Diameter: 4 inches	Total Depth: 55 feet	
••			_			ACH Chloric tilled water.	le Test Str	rips and PID for chloride and vap	or, respectively. Chloride test	
periorii	led With	1.4 ullut	1011 16	_	SOII TO GIS					
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth	1	USCS/Rock Symbol	•	scriptions/Notes	
Dry	1,680	0.0	No	BH08	0.5	0.5	SW-SM	(0-1') SAND, dry, brown, well	_	
Dry	2,056	0.0	No	BH08	1	+ 1	CD CM	, ,	ubrounded to rounded gravel	
Dry	1,928	0.0	No	BH08	2	† 2	SP-SM	(1-4mm), no stain, no	odor.	
l Dia	1,320	0.0	100	טטו וט		+ -		(1-6') SAND, dry, light brown	, poorly graded with some silt,	
Dry	1,800	0.0	No	BH08	4	† 4		very fine-fine grain, no		
						Ť				
						I		@ 2' No more organic.		
Dry	436	0.0	No	BH08	6	<u> </u> 6	SW-SM			
 	250	0.0	NI -	DLIOO	_	$+$ $_{\circ}$		(6-8') SAND, dry, brown, well	_	
Dry	352	0.0	INO	BH08	8	+ 8		grain, some subrounde no stain, no odor.	ed to rounded gravel (1-4mm),	
						+		no stain, no odor.		
						†		@ 0.5-8' Utilized hand auger.		
Dry	396	0.0	No	BH08	10	<u> </u>				
						\perp		@ 10-55' Utilized sonic rig.		
						+				
Dn/	396	0.0	No	BH08	12	+ 12		@ 10' Color change to raddic	sh brown trace silt decrease in	
Dry	390	0.0	INO	ВПОО	12	+ '2		gravel.	sh brown, trace silt, decrease in	
						+		9,4401.		
						<u> </u>				
Dry	440	0.0	No	BH08	14	14	SP-SM	,	oorly graded with silt, very fine	
						4		to fine grain, poorly o	consolidated, no stain or odor.	
						+				
Dry	440	0.0	No	BH08	16	16				
l Dià	440	0.0	INO	סטו וט	10	+ 10				
						+				
						†				
Dry	536	0.0	No	BH08	18	18				
						\perp				
						+				
D=/	F26	0.0	NI.	DLING	20	+ 20				
Dry	536	0.0	No	BH08	20	20				
						+				
						†				
Dry	536	0.0	No	BH08	22	22				

								Sample Name: BH08	Date: 05/22/2024, 05/23/2024 & 11/06/2024	
								Site Name: East Pecos 22-3	Produced Water Gathering Line	
								Incident Number: nAB1614039576 & NAB1616628496		
								Job Number: 19381		
	LITHC	LOG	IC /	SOIL	SAMPL	ING LO	G	Logged By: EK	Method: Hand Auger/ Sonic Rig	
		-				23, -103.95		Hole Diameter: 4 inches	Total Depth: 55 feet	
							e Test Sti	rips and PID for chloride and v	apor, respectively. Chloride test	
perform	ed with	1:4 dilut	ion ta	actor of	soil to distil		· •			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic D	escriptions/Notes	
Dry	644	0.0	No	BH08	24 _	24	SP-SM	1.	, poorly graded with silt, very fine consolidated, no stain or odor.	
Dry	1,144	0.0	No	BH08	26	26				
Dry	1,048	0.0	No	BH08	28 _ -	28				
Dry	1,048	0.0	No	BH08	30 _	30				
Dry	1,144	0.0	No	BH08	32	32				
Dry	1,612	0.0	No	BH08	34 _	34				
Dry	1,448	0.0	No	BH08	36	36				
Dry	1,012	0.0	No	BH08	38 _	38				
Dry	1,788	0.0	No	BH08	40 _	40		@ 39' Moderately consolidate abundant silt.	ated, trace reduction spots,	
Dry	700	0.0	No	BH08	42 <u>-</u> - -	42				



								Sample Name: BH09	Date: 11/07/2024	
									roduced Water Gathering Line	
						-1		Incident Number: nAB1614039576 & NAB1616628496		
						1010 : =		Job Number: 19381		
I———						ING LO		Logged By: EK	Method: Sonic Rig	
		-				35, -103.95		Hole Diameter: 4 inches	Total Depth: 55 feet	
						ACH Chlorid illed water.	ie i est Str	ips and PID for chloride and va	por, respectively. Unloride test	
				_			×			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)		USCS/Rock Symbol		escriptions/Notes	
Dry	<116	0.1	No	BH09	0.5	0.5	SW-SM		own, well graded with silt, very	
					-	+		fine to coarse grain, to or odor.	race small gravel, no stain	
Dry	<116	0.3	No	BH09	2	† 2		or odor.		
- ',		***				Ţ ⁻				
					_	<u> </u>				
Dry	<116	0.2	No	BH09	4	+ ,				
П Біў	\ \ 110	0.2	INO	БПОЭ	- 4	+ 4				
						†				
					_	Ţ				
Dry	140	0.0	No	BH09	6 _	6	OD CIT	(0.541) O-11 - 12 - 1	and a superal and a 200 according 200	
						+	SP-SM		orly graded with some silt, very ace reduction spots, moderately	
					-	+		consolidated.	reduction spots, moderately	
Dry	164	0.5	No	BH09	8	8				
						↓				
					-	+				
Dry	164	0.4	Nο	BH09	10	 10				
	.5+	J. T		200	'Ŭ -	† '`				
					_	Ţ				
	000	0.0	N	חוייי	40	+ 40				
Dry	396	0.0	No	BH09	12 -	12				
						†				
					_	Ţ				
Dry	396	0.1	No	BH09	14 _	14				
						+				
					-	+				
Dry	356	0.1	No	BH09	16	16				
					_	Ţ				
					_	+				
Dry	284	0.1	Nο	BH09	18	18				
	204	J. 1	10	21103	'Ŭ -	+ '				
					_	Ţ				

								I		
								Sample Name: BH09	Date: 11/07/2024	
									Produced Water Gathering Line	
								Incident Number: nAB1614039576 & NAB1616628496		
							Job Number: 19381			
	LITHO	DLOG	IC /	SOIL	SAMP	LING LO	Logged By: EK	Method: Sonic Rig		
		-				335, -103.95		Hole Diameter: 4 inches	Total Depth: 55 feet	
						ACH Chlorid tilled water.	le Test Sti	rips and PID for chloride and v	apor, respectively. Chloride test	
periorii	eu wiiii	1.4 ullul	1011 16	_		lilled water.	<u> </u>			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes		
D	246	0.4	NI-	DLIOO	20	<u> </u>	SP-SM		poorly graded with some silt, very	
Dry	316	0.1	INO	BH09	20	 20		consolidated.	race reduction spots, moderately	
Dry	284	0.0	No	BH09	22	† 22		oonsondated.		
						Ť				
						\perp				
Dry	284	0.3	No	BH09	24	† ₂₄				
Прід	204	0.3	INO	109	24	+ 24				
						†				
						Ţ				
Dry	316	0.0	No	BH09	26	26				
						+				
						+				
Dry	284	0.0	No	BH09	28	† 28				
						T				
						\perp				
Dn.	246	0.0	Na	риоо	30	+ 20				
Dry	316	0.2	INO	BH09	30	+ 30				
						†				
						T				
Dry	248	0.2	No	BH09	32	32		_	dation (very loose sand), no	
						+		reduction spots.		
						+				
Dry	248	0.1	No	BH09	34	† 34				
						Ť				
D	204	0.0	NI-	DLIOC	20	+ 20				
Dry	284	0.0	No	BH09	36	 36				
						†				
						Ť				
Dry	284	0.7	No	BH09	38	፲ 38				
						+				
						+				
				<u> </u>	l		<u> </u>	<u> </u>		

								Sample Name: BH09 Date: 11/07/2024		
									Produced Water Gathering Line	
								Incident Number: nAB1614039576 & NAB1616628496		
LITHOLOGIC / SOIL SAMPLING LOG								Job Number: 19381		
l								Logged By: EK	Method: Sonic Rig	
					s: 32.00433			Hole Diameter: 4 inches	Total Depth: 55 feet	
					ed with HAI soil to distill		ie Test Str	rips and PID for chloride and v	rapor, respectively. Chloride test	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	_	escriptions/Notes	
Dny	140	0.0	No	BH09	40	- 40	SP-SM	`	poorly graded with some silt, very race reduction spots, moderately	
Dry	140	0.0	INO	БПОЭ	40	_ 40		consolidated.	race reduction spots, moderately	
Dry	140	0.1	No	BH09	42	42				
Dry Dry Dry	164 140 <116	0.0		BH09 BH09	44	- - - - - - 46 - - - - - - - - - - - - -		@ 46' Increase in consolida	ation, trace reduction spots.	
Dry	<116	0.0	No	BH09	50		SW SW	(51 55') SAND dry top w	ell graded with trace silt, fine to	
Dry	<116	0.0	No	BH09	52 <u> </u>	- _ 52 - -	300-3101	very coarse grain	ell graded with trace siit, line to i, small to medium, subangular to el, no stain or odor.	
Dry	<116	0.0	No	BH09	54	54				
Dry	<116	0.0	No	BH09	55	- 55				
							Total I	Depth		
			_		_					
								_		

								Sample Name: BH10	Date: 11/07/2024
			F						Produced Water Gathering Line
				A CONTRACTOR OF THE PARTY OF TH				Incident Number: nAB161403	39576 & NAB1616628496
								Job Number: 19381	
					SAMPL			Logged By: EK	Method: Sonic Rig
					s: 32.00413			Hole Diameter: 4 inches	Total Depth: 55 feet
					ed with HA soil to distill		e Test Str	ips and PID for chloride and v	/apor, respectively. Chloride test
periorii	eu wiiii	1.4 dilut	1011 18	_	SOII to distill	_	¥		
Moisture Content	Chloride (ppm)	Vapor (ppm)	3	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol		escriptions/Notes
Dry	<116	0.0	No	BH10	0.5	0.5	SP-SM		brown, poorly graded with
Dry	<116	0.0	No	BH10	2 _	- - 2 -		1	ine-fine grain, trace reduction n crystaline, no stain, no odor.
Dry	<116	0.0	No	BH10	4 _	- _ 4 -			
Dry	<116	0.0	No	BH10	6 _	- _ 6 -			
Dry	<116	0.0	No	BH10	8 _	- - 8 -			
Dry	<116	0.0	No	BH10	10	_ _ 10 _			
Dry	<116	0.0	No	BH10	12	- - 12 -			
Dry	<116	0.0	No	BH10	14 _	- - 14 -			
Dry	<116	0.0	No	BH10	16	_ 16 			
Dry	<116	0.0	No	BH10	18 _	- - _ 18 - -			

								In
						_		Sample Name: BH10
		5	T					Site Name: East Pecos 22-3 Produced Water Gathering Line
					DE	1		Incident Number: nAB1614039576 & NAB1616628496
), OO		2011	241471	1110 1 0		Job Number: 19381
						ING LO		Logged By: EK Method: Sonic Rig
		-				130, -103.95		Hole Diameter: 4 inches Total Depth: 55 feet
						illed water.	e rest Str	rips and PID for chloride and vapor, respectively. Chloride test
ропопп	ou with	1. i dilat					ᆠ	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Moi	Chlo (Pl	Va P	Sta	Sam	Sar De (feet	De (feet	USCS	
						<u> </u>	SP-SM	(0-26') SAND, dry, reddish brown, poorly graded with
Dry	<116	0.0	No	BH10	20			abundant silt, very fine-fine grain, trace reduction
					_	Ţ		spots, trace gypsum crystaline, no stain, no odor.
Dry	<116	0.0	No	BH10	22 -	22		
						+		
					-	+		
Dry	<116	0.0	No	BH10	24	† 24		
					-	Ť		
					_	Ţ		@ 25' Color change to reddish tan.
						↓		
Dry	<116	0.0	No	BH10	26 _	26	SP-ST	(26-30') SANDSTONE, dry, yellowish tan, poorly graded
						+		with some silt, moderately consolidated, no stain, no odor.
					-	+		no odor.
Dry	<116	0.0	No	BH10	28	† 28		
					_	Ϊ		
					_	\perp		
	.440	0.0	١.,	DIIIA		<u> </u>	05.014	(00.55) 0.4 N.D
Dry	<116	0.0	No	BH10	30 _	30	SP-SM	(30-55') SAND, dry, tan-light brown, poorly graded with silt,
						+		very fine-fine grain, organic, no stain, no odor.
					-	+		
Dry	<116	0.0	No	BH10	32	32		
					_	Ţ		
					_	1		
	امدد	0.0	.	DUAG	0.4	ļ <i>".</i>		
Dry	<116	0.0	No	BH10	34 -	34		
						+		
					-	+		
Dry	<116	0.0	No	BH10	36	36		
					_	T		
					_	_		
D=:	_440	0.0	NI -	DIMA	20	+ ,,		
Dry	<116	0.0	INO	BH10	38 -	38		
						†		
					-	o		
I			•			-	-	•

								Sample Name: BH10	Date: 11/07/2024
								Site Name: East Pecos 22-3	Produced Water Gathering Line
			Ш					Incident Number: nAB161403	39576 & NAB1616628496
								Job Number: 19381	
					SAMPL			Logged By: EK	Method: Sonic Rig
					s: 32.00413			Hole Diameter: 4 inches	Total Depth: 55 feet
					ted with HA soil to distil		le Test Str	rips and PID for chloride and v	apor, respectively. Chloride test
periorii	lea with	1.4 allul	1011 18	_	SOII TO GISTII	led water.	<u> </u>		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic D	escriptions/Notes
Dry	<116	0.0	No	BH10	40	40	SP-SM	l, , , , , ,	ht brown, poorly graded with silt, organic, no stain, no odor.
					_				
Dry	<116	0.0	No	BH10	42 _	42			
Dry	<116	0.0	No	BH10	44 _ - - -	- - - 44 -			
Dry	<116	0.0	No	BH10	46	46			
Dry	<116	0.0	No	BH10	48 _ -	- - - 48 -			
Dry	<116	0.0	No	BH10	50 <u>-</u>	50 -			
Dry	<116	0.0	No	BH10	52 <u> </u>	- - 52 -			
Dry	<116	0.0	No	BH10	54 _	54			
Dry	<116	0.0	No	BH10	55 -	_ 55			
				•	•		Total	Depth	
			_						
						_			
								_	

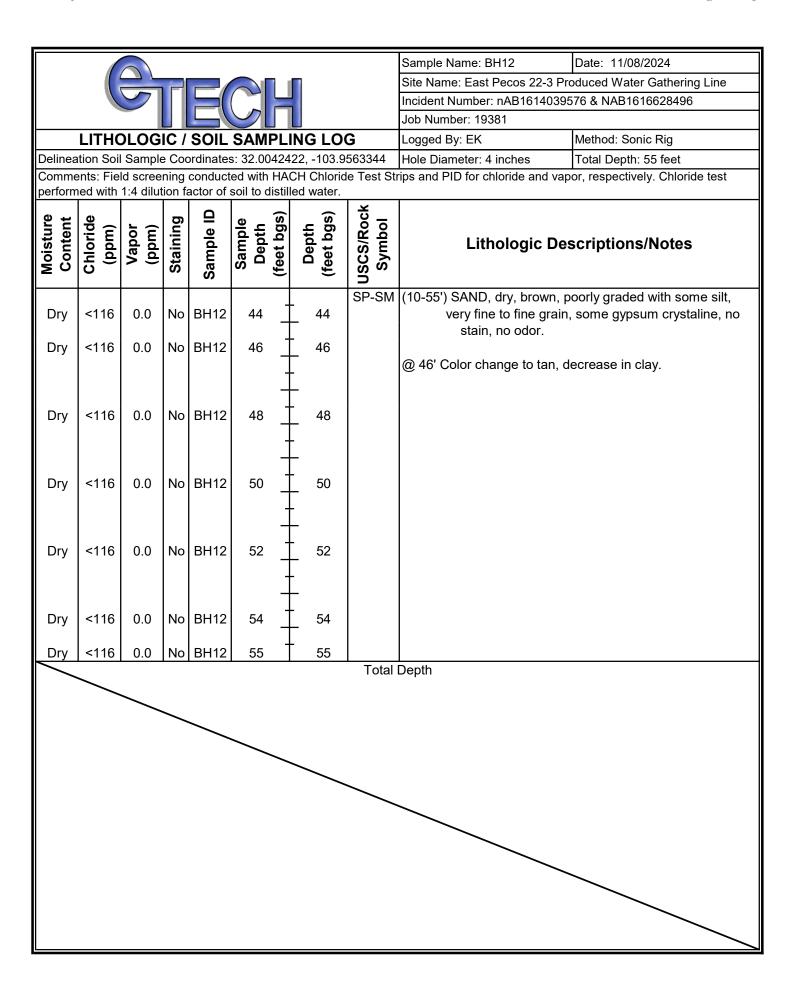
								T	
								Sample Name: BH11	Date: 11/07/2024
								Site Name: East Pecos 22-3 Pr	
								Incident Number: nAB1614039	576 & NAB1616628496
		N 6 5						Job Number: 19381	T
						ING LO		Logged By: EK	Method: Sonic Rig
						59, -103.95		Hole Diameter: 4 inches	Total Depth: 55 feet
					ed with HA soil to distil		le Test Sti	rips and PID for chloride and var	por, respectively. Chloride test
	log with	1. I dilat		_			*		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)		USCS/Rock Symbol	_	scriptions/Notes
Dry	248	0.0	No	BH11	0.5	0.5	SP-SM	(0-55') SAND, dry, brown, po	
					_	<u> </u>			trace gypsum crystaline, no
Dry	220	0.0	Nο	BH11	2 -	2		stain, no odor.	
		0.0	140			†			
Dry	316	0.0	No	BH11	4 _	4			
					_	<u> </u>			
Dn/	484	0.0	Na	BH11	6 –	L 6			
Dry	484	0.0	INO	ВПП	6 -	L 0			
					_	 -			
Dry	440	0.0	No	BH11	8 _	8			
_						<u> </u>			
Dry	1,788	0.0	No	BH11	10 _	10			
Dry	2,162	0.0	Nο	BH11	12 -	12		@ 12' Color change to reddi	sh brown, some reduction
	2,102	0.0		D	'	├ [.] _		spots, no gypsum.	on brown, come reduction
					_	Ĺ			
				5	-	ļ ,,			
Dry	2,380	0.0	No	BH11	14 _	14			
					-	 			
					_	<u> </u>			
Dry	2,380	0.0	No	BH11	16	16			
						<u> </u>			
					-	<u> </u>			
Dry	1,612	0.0	Nο	BH11	- 18	18			
	1,012	5.0	1,40	11110	'Ŭ -	├ '			
					_	Ĺ			
Dry	1,292	0.0	No	BH11	20 _	20			
					_	+			
					-	 			
Dry	1,144	0.0	No	BH11	22	22			
					_	Γ			
					_	L			
							<u> </u>		

								Sample Name: BH11	Date: 11/07/2024
								Site Name: East Pecos 22-3 Pro	oduced Water Gathering Line
								Incident Number: nAB16140395	576 & NAB1616628496
								Job Number: 19381	
	LITHO	LOG	IC /	SOIL	SAMPL	ING LO	<u> </u>	Logged By: EK	Method: Sonic Rig
		-				59, -103.95		Hole Diameter: 4 inches	Total Depth: 55 feet
					ed with HA soil to disti		e Test Str	ips and PID for chloride and vap	or, respectively. Chloride test
periorii	lea with	1.4 ullut	1011 18		Soli to disti		<u>×</u>		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Des	scriptions/Notes
					_		SP-SM	(0-55') SAND, dry, brown, po	
Dry	1,144	0.0	No	BH11	24 _	24			trace gypsum crystaline, no
Dry	1,296	0.0	Nο	BH11	26	L 26		stain, no odor.	
	.,_55	3.5				Τ			
					_				
_	4 440	0.0		DUIAA					
Dry	1,448	0.0	INO	BH11	28 _	28			
					-	†			
					_	<u> </u>			
Dry	1,292	0.0	No	BH11	30	30			
					-	ļ			
					_	 			
Dry	1,612	0.0	No	BH11	32	32		@ 32' Increase in reduction s	spots, trace clay.
	,					Ť			•
					_	L			
	4 700	0.0		DUAA					
Dry	1,788	0.0	INO	BH11	34 _	34			
					-	†			
					_	Ĺ			
Dry	1,972	0.0	No	BH11	36	36			
					-	+			
					-	+			
Dry	2,168	0.0	No	BH11	38	38			
'	, 55				_				
					_	L			
		0.0		DUAA		ļ ,,			
Dry	2,168	0.0	INO	BH11	40 _	40			
					-	†			
					_	Ė			
Dry	700	0.0	No	BH11	42	42			
						+		@ 401 Dannary discribed	
					-	+		@ 43' Decrease in silt, no cla	ıy.
			<u> </u>		<u> </u>	<u> </u>			

ı									
								Sample Name: BH11	Date: 11/07/2024
								Site Name: East Pecos 22-3	Produced Water Gathering Line
			Ш			4		Incident Number: nAB161403	39576 & NAB1616628496
								Job Number: 19381	
	LITHO	DLOG	IC /	SOIL	SAMPL	ING LO	G	Logged By: EK	Method: Sonic Rig
						59, -103.95		Hole Diameter: 4 inches	Total Depth: 55 feet
							e Test Str	rips and PID for chloride and v	vapor, respectively. Chloride test
perform	ied with	1:4 allut	ion ta	actor of	soli to disti	illed water. T			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	_	Descriptions/Notes
						<u> </u>	SP-SM		poorly graded with some silt,
Dry	828	0.0	No	BH11	44 _	<u> </u>			n, trace gypsum crystaline, no
Dry	764	0.0	Nο	BH11	46	 46		stain, no odor.	
l Diy	701	0.0			' -	† '`			
					_	Ĺ			
	700	0.0		DUIA	40	ļ ,,			
Dry	700	0.0	No	BH11	48 _	48			
						†			
					-	\dot{T}			
Dry	284	0.0	No	BH11	50 _	50			
						 			
					-	+			
Dry	316	0.0	No	BH11	52	† ₅₂			
					_	<u>†</u>			
					_	I			
				5		ļ <u>.</u> .			
Dry	284	0.0	No	BH11	54 _	54			
Dry	284	0.0	No	BH11	55	 55			
							Total	Depth	
`	\								
			_						
				\\					
<u> </u>									

								Sample Name: BH12 Date: 11/08/2024
			100					Site Name: East Pecos 22-3 Produced Water Gathering Line
						4		Incident Number: nAB1614039576 & NAB1616628496
								Job Number: 19381
	LITHO	LOG	IC /	SOIL	SAMPL	ING LO	G	Logged By: EK Method: Sonic Rig
••						422, -103.9		Hole Diameter: 4 inches Total Depth: 55 feet
							le Test Sti	rips and PID for chloride and vapor, respectively. Chloride test
perform	ed with	1:4 dilut	ion ta	actor of	soli to disti	illed water.	<u> </u>	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)		USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	248	0.0	No	BH12	0.5	0.5	SW-SM	(0-10') SAND, dry, brown, well graded with silt, fine-coarse
					-	╀		grain, organic, some subrounded to rounded gravel
Dry	484	0.0	Nο	BH12	2	† 2		(1-2mm), no stain, no odor.
	104	5.0	"	21112		†		@ 2' Color Change from light brown to reddish brown
Dry	484	0.0	No	BH12	4	† 4		no more organic.
						Ţ		
Dry	484	0.0	No	BH12	6 -	6		
Dry	484	0.0	No	BH12	8 _	8		
Dry	<116	0.0	No	BH12	10 _	10	SP-SM	(10-55') SAND, dry, brown, poorly graded with some silt,
Dry	<116	0.0	No	BH12	12	12		very fine to fine grain, some gypsum crystaline, no stain, no odor.
Dry	<116	0.0	No	BH12	12	12		
					_	Ť		
Dry	<116	0.0	No	BH12	14 _	14		
Dry	<116	0.0	No	BH12	- 16 _ -	16		@ 17' Decrease in gypsum crystaline
Dry	<116	0.0	No	BH12	18 _	18		
Dry	<116	0.0	No	BH12	- 20 _	20		
Dry	<116	0.0	No	BH12	22 ₋	22		@ 22' Color change to dark brown, increase in silt

i.									
								Sample Name: BH12	Date: 11/08/2024
									Produced Water Gathering Line
				AND THE PERSON NAMED IN				Incident Number: nAB161403	9576 & NAB1616628496
								Job Number: 19381	
II———						ING LO		Logged By: EK	Method: Sonic Rig
						122, -103.9		Hole Diameter: 4 inches	Total Depth: 55 feet
					ed with HA soil to distil		e Test Str	ips and PID for chloride and va	apor, respectively. Chloride test
репоп		1.4 dilat			Join to distil		*		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	_	escriptions/Notes
					<u>-</u>	_	SP-SM		poorly graded with some silt,
Dry	<116	0.0	No	BH12	24 _	24			n, some gypsum crystaline, no
Dry	<116	0.0	Nο	BH12	_ 26	L 26		stain, no odor.	
	1.0	0.0				├ ⁻			
					_	Ĺ			
	.440	0.0		DUIAO	_				
Dry	<116	0.0	INO	BH12	28 _	28			
					-	 			
					_	T			
Dry	<116	0.0	No	BH12	30	30			
					-	<u> </u>			
					_	<u> </u>			
Dry	<116	0.0	No	BH12	32 -	32		@ 32' Increase in silt, some	e clay.
					_			,	,
					_				
	.440	0.0		D. 140					
Dry	<116	0.0	No	BH12	34 _	34			
					_	 			
					_	 			
Dry	<116	0.0	No	BH12	36 _	36			
					_	<u> </u>			
					_	 			
Dry	<116	0.0	Nο	BH12	- 38	38			
	''	5.5	```			†			
					-	L			
_	,		.			ļ . <u>.</u>			
Dry	<116	0.0	No	BH12	40 _	40			
					-	+			
					_	 			
Dry	<116	0.0	No	BH12	42	42			
					-	<u> </u>			
					_	<u> </u>			



					_			Sample Name: BH13	Date: 11/08/2024
									Produced Water Gathering Line
								Incident Number: nAB16140	139576 & NAB1616628496
	=	N 0.5				INC : 5		Job Number: 19381	lead to a second
I ├ ──						ING LO		Logged By: EK	Method: Sonic Rig
		-				02, -103.95		Hole Diameter: 4 inches	Total Depth: 55 feet
					ea with HA soil to disti		e rest Str	ips and PID for chloride and v	vapor, respectively. Chloride test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	_	Descriptions/Notes
Dry	<116	0.0	No	BH13	0.5	0.5	SP-SM		n brown, poorly graded with fine-fine grain, trace reduction
Dry	<116	0.0	No	BH13	2 2 -	2			n crystaline, no stain, no odor.
Dry	<116	0.0	No	BH13	4 <u>-</u> -	4			
Dry	<116	0.0	No	BH13	6 <u>-</u>	6			
Dry	<116	0.0	No	BH13	8 <u>-</u>	8			
Dry	396	0.0	No	BH13	10 _	10			
Dry	396	0.0	No	BH13	12 <u> </u>	12			
Dry	396	0.0	No	BH13	14 <u>-</u>	14			
Dry	356	0.0	No	BH13	16 <u> </u>	16			
Dry	356	0.0	No	BH13	18 _ -	18			

								D. J. N. BUIA	D + ++/00/0004
						_		Sample Name: BH13	Date: 11/08/2024
									Produced Water Gathering Line
								Incident Number: nAB161403	9576 & NAB1616628496
						1110101		Job Number: 19381	Te
						ING LO		Logged By: EK	Method: Sonic Rig
		-				02, -103.95		Hole Diameter: 4 inches	Total Depth: 55 feet
					ea with HA soil to distil		e rest Str	ips and PID for chloride and va	apor, respectively. Chloride test
роглогии	lou with	T. T Gilde		_			¥		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	_	escriptions/Notes
							SP-SM	(0-26') SAND, dry, reddish	
Dry	220	0.0	No	BH13	20 _	20		· · · · · · · · · · · · · · · · · · ·	ne-fine grain, trace reduction crystaline, no stain, no odor.
Dry	356	0.0	No	BH13	22	22		spots, trace gypsum	crystallile, 110 stalli, 110 odor.
,						├			
					_	L			
D	040	0.0	NI-	חוואס					
Dry	248	0.0	INO	BH13	24 _	24			
					-	†		@ 25' Color change to redo	dish tan
					_	Τ		[
Dry	140	0.0	No	BH13	26	26	SP-ST	[]	, yellowish tan, poorly graded
					-	ļ .			erately consolidated, no stain,
					_	-		no odor.	
Dry	104	0.0	No	BH13	28	28			
		0.0				<u> </u>			
					_	Ĺ			
						<u> </u>			
Dry	140	0.0	No	BH13	30 _	30	SP-SM		own, poorly graded with silt,
					-	+		very ime-line grain, o	organic, no stain, no odor.
					_	†			
Dry	<116	0.0	No	BH13	32	32			
					_	<u> </u>			
					_	 -			
Dry	<116	0.0	No	BH13	34	34			
ا y	`110	0.0	INU	פווט	_	 			
					-	†			
						Γ			
Dry	<116	0.0	No	BH13	36	36			
					_	+			
					_	-			
Dry	<116	0.0	No	BH13	38	38			
		-			_				
					<u>.</u>	↓			
Dry	284	0.0	No	BH13	40	40			

									Sample Name: BH13	Date: 11/08/2024
									Site Name: East Pecos 22-3	Produced Water Gathering Line
									Incident Number: nAB16140	39576 & NAB1616628496
									Job Number: 19381	
	LITHC	LOG	IC /	SOIL	SAMI	PLIN	G LO	G	Logged By: EK	Method: Sonic Rig
Delinea	tion Soil	Sample	Coc	ordinates	s: 32.00	4159,	-103.95	7121	Hole Diameter: 4 inches	Total Depth: 55 feet
								le Test Str	rips and PID for chloride and	vapor, respectively. Chloride test
perform	ed with	1:4 dilut	ion ta	actor of	soil to d	istilled T	water.		I	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth	(feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic [Descriptions/Notes
Dry	284	0.0	No	BH13	42	\perp	42	SP-SM		prown, poorly graded with silt,
D	004	0.0	NI-	חואס	4.4	+	4.4		very fine-fine grain,	organic, no stain, no odor.
Dry	284	0.0	INO	BH13	44	+	44			
Dry	284	0.0	No	BH13	46	十	46			
						上				
						<u> </u>				
Dry	284	0.0	No	BH13	48	+	48			
						+				
						十				
Dry	<116	0.0	No	BH13	50	Ţ	50			
						Ţ				
						+				
Dry	<116	0.0	Nο	BH13	52	+	52			
Diy		0.0	INO	סוווס	32	+	JZ			
						†				
						T				
Dry	<116	0.0	No	BH13	54	\perp	54			
Dry	<116	0.0	No	BH13	55	+	55			
	<u> </u>	0.0	INO	פוווט	55		33	I Total	L Depth	
`								. 5.61	— -1- ···	
		\								
					\					
						<u> </u>				
								_		
										_



Sample Name: BH14 Date: 06/11/2025

Site Name: East Pecos 22-3 Produced Water Gathering Line

Incident Number: nAB1614039576 & nAB1616628496

Job Number: 19381

LITHOLOGIC / SOIL SAMPLING LOG

Delineation Soil Sample Coordinates: 32.004261, -103.956884

Logged By: Haleigh Blume Method: Hand Auger Hole Diameter: 4 inches Total Depth: 4 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Roc Symbol	Lithologic Descriptions/Notes
	.446	0.0		DI IA A	-	0 0	SP-SM	(0-4') SAND with silt, dry, reddish brown, poorly
Dry	<116	0.0	No	BH14	0.5	0.5		graded with silt, very fine to fine grain, no
Dry	221	0.0	No	BH14	1 _	1		staining or odor.
					_ _	- -		
Dry	<116	0.0	No	BH14	2 _	2		
					_	- -		
Dry	<116	0.0	No	BH14	3 _	3		
					_	-		
Dry	<116	0.0	No	BH14	4	4		



Sample Name: BH15 Date: 06/11/2025

Site Name: East Pecos 22-3 Produced Water Gathering Line

Incident Number: nAB1614039576 & nAB1616628496

Job Number: 19381

LITHOLOGIC / SOIL SAMPLING LOG

Delineation Soil Sample Coordinates: 32.004323, -103.956438

Logged By: Haleigh Blume Method: Hand Auger Hole Diameter: 4 inches Total Depth: 4 feet

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

Moisture	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rocl Symbol	Lithologic Descriptions/Notes
				D1145	0.5	0	SP-SM	(0-4') SAND with silt, dry, reddish brown, poorly
Dry	<116	0.0	No	BH15	0.5	0.5		graded with silt, very fine to fine grain, no
Dry	<116	0.0	No	BH15		1		staining or odor.
					_	_		
					_	_		
Dry	<116	0.0	No	BH15	2 -	2		
						_ _		
Dry	<116	0.0	No	BH15	3 -	- 3		
	110	0.0	10		~ -	_		
					_	- -		
Dry	140	0.0	No	BH15	- 4	4		



Sample Name: BH16 Date: 06/11/2025

Site Name: East Pecos 22-3 Produced Water Gathering Line

Incident Number: nAB1614039576 & nAB1616628496

Job Number: 19381

LITHOLOGIC / SOIL SAMPLING LOG

Delineation Soil Sample Coordinates: 32.004346, -103.956152

Logged By: Haleigh Blume Method: Hand Auger Hole Diameter: 4 inches Total Depth: 4 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Roc Symbol	Lithologic Descriptions/Notes
					_	0	SP-SM	(0-4') SAND with silt, dry, reddish brown, poorly
Dry	228	0.0	No	BH16	0.5	0.5		graded with silt, very fine to fine grain, trace gypsum
						_ ,		crystalline, no staining or odor.
Dry	412	0.0	No	BH16	1 _	_ 1		
Dry	412 332	0.0		BH16	- -	- - - 2 - - - 3		
Dry	196	0.0	No	BH16	4	4		



Sample Name: BH17 Date: 06/11/2025

Site Name: East Pecos 22-3 Produced Water Gathering Line

Incident Number: nAB1614039576 & nAB1616628496

Job Number: 19381

LITHOLOGIC / SOIL SAMPLING LOG

Delineation Soil Sample Coordinates: 32.004270, -103.956133

Logged By: Haleigh Blume Method: Hand Auger
Hole Diameter: 4 inches Total Depth: 4 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Roc Symbol	Lithologic Descriptions/Notes
	4.50					0	SW-SM	(0'-4') SAND with gravel, dry, reddish brown, fine
Dry	452	0.0	No	BH17	0.5	0.5		to coarse grain, well graded with silt, subangular to subrounded gravel (2"), no staining or odor.
Dry	2,024	0.0	No	BH17	1 -	L 1		subfounded graver (2), no staining of odor.
	,				_	- -		
					_	_		
Dry	1,748	0.0	No	BH17	2 -	2		
	.,					<u> </u>		
					_	_		
Dry	1,624	0.0	No	BH17	3 -	3		
	, ,				_	<u> </u>		
					_	<u> </u>		
Dry	1,404	0.0	No	BH17	4 -	4		



Sample Name: BH18 Date: 06/12/2025

Site Name: East Pecos 22-3 Produced Water Gathering Line

Incident Number: nAB1614039576 & nAB1616628496

Job Number: 19381

LITHOLOGIC / SOIL SAMPLING LOG

Delineation Soil Sample Coordinates: 32.004231, -103.956509

Logged By: Haleigh Blume Method: Hand Auger Hole Diameter: 4 inches Total Depth: 4 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	168	0.0		BH18	0.5	- 0 - 0.5 	SW-SM	(0'-1') SAND with gravel, dry, reddish brown, fine to coarse grain, well graded with silt, subangular to subrounded gravel (2"), no staining or odor.
Dry Dry	1,304	0.0	No	BH18 BH18	1	- 1 - - ₂	SP-SM	(1-4') SAND with silt, dry, reddish brown, poorly graded with silt, very fine to fine grain, no staining or odor.
Dry	1,624	0.0		BH18	- - - 3	-		
Dry	1,624	0.0		BH18	- - - - 4	- ° - - 4		



Sample Name: BH19 Date: 06/12/2025

Site Name: East Pecos 22-3 Produced Water Gathering Line

Incident Number: nAB1614039576 & nAB1616628496

Job Number: 19381

LITHOLOGIC / SOIL SAMPLING LOG

Delineation Soil Sample Coordinates: 32.004181, -103.956978

Logged By: Haleigh Blume Method: Hand Auger
Hole Diameter: 4 inches Total Depth: 4 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	JSCS/Rock Symbol	Lithologic Descriptions/Notes
Dry Dry	1,828 1,404	0.0		BH19	0.5 _	0 - 0.5 - 1	SW-SM	(0'-1') SAND with gravel, dry, reddish brown, fine to coarse grain, well graded with silt, subangular to subrounded gravel (2"), no staining or odor. (1-4') SAND with silt, dry, reddish brown, poorly
Dry	492	0.0	No	BH19	2 _ -	- - - 2 -		graded with silt, very fine to fine grain, no staining or odor.
Dry	1,880	0.0	No	BH19	3 _	- - 3 -		
Dry	968	0.0	No	BH19	4 -	4		



Sample Name: BH20 Date: 06/12/2025

Site Name: East Pecos 22-3 Produced Water Gathering Line

Incident Number: nAB1614039576 & nAB1616628496

Job Number: 19381

LITHOLOGIC / SOIL SAMPLING LOG

Delineation Soil Sample Coordinates: 32.004060, -103.957100

Logged By: Haleigh Blume Method: Hand Auger
Hole Diameter: 4 inches Total Depth: 4 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	500	0.0	No	BH20	0.5	0 0.5	SW-SM	(0'-1') SAND with gravel, dry, reddish brown, fine to coarse grain, well graded with silt, subangular to subrounded gravel (2"), no staining or odor.
Dry	1,624	0.0	No	BH20	1 _	1 - -	SP-SM	(1-4') SAND with silt, dry, reddish brown, poorly graded with silt, very fine to fine grain, no staining or odor.
Dry	2,026	0.0	No	BH20	2 -	- 2 - 2 -		or oddi.
Dry	2,026	0.0	No	BH20	3 _	- - 3 -		
Dry	1,896	0.0	No	BH20	4	- - 4		



Sample Name: BH21 Date: 06/12/2025

Site Name: East Pecos 22-3 Produced Water Gathering Line

Incident Number: nAB1614039576 & nAB1616628496

Job Number: 19381

LITHOLOGIC / SOIL SAMPLING LOG

Delineation Soil Sample Coordinates: 32.004078, -103.956889

Logged By: Edyte Konan Method: Hand Auger
Hole Diameter: 4 inches Total Depth: 4 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rocl Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0'-1') SAND with gravel, dry, reddish brown, fine
Dry	368	0.0	No	BH21	0.5	_ 0.5		to coarse grain, well graded with silt, subangular to
_{D=} .	220		NI.	DLIGA		_		subrounded gravel (2"), no staining or odor.
Dry	228	0.0	INO	BH21	1 _	_ 1	SP-SM	(1-4') SAND with silt, dry, reddish brown, poorly
Dry	500	0.0	No	BH21	2 _ -	- - - 2 -	- OIVI	graded with silt, very fine to fine grain, no staining or odor.
Dry	768	0.0	No	BH21	3 _	- - 3 -		
Dry	768	0.0	No	BH21	4 -	4		



Sample Name: BH22 Date: 06/12/2025

Site Name: East Pecos 22-3 Produced Water Gathering Line

Incident Number: nAB1614039576 & nAB1616628496

Job Number: 19381

LITHOLOGIC / SOIL SAMPLING LOG

Delineation Soil Sample Coordinates: 32.004127, -103.956422

Logged By: Edyte Konan Method: Hand Auger
Hole Diameter: 4 inches Total Depth: 4 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rocl Symbol	Lithologic Descriptions/Notes			
						0	SW-SM	(0'-1') SAND with gravel, dry, reddish brown, fine			
Dry	296	0.0	No	BH22	0.5	0.5		to coarse grain, well graded with silt, subangular to			
l _								subrounded gravel (2"), no staining or odor.			
Dry	228	0.0	No	BH22	1 _	_ 1	00.014	(4.41) CAND ''I ''I' I I I I I			
					-	-	SP-SM	(1-4') SAND with silt, dry, reddish brown, poorly			
					-	_		graded with silt, very fine to fine grain, no staining or odor.			
Dry	228	0.0	Nο	BH22	2 -	2		oi odoi.			
D.y	220	0.0		51122							
					-	=					
					_	_					
Dry	832	0.0	No	BH22	3 _	_ 3					
					_	_					
					_	_					
D	000		NI.	DUGO	, -	<u>ا</u> ا					
Dry	968	0.0	INO	BH22	4	4	<u> </u>				
	Total Depth										



Sample Name: BH23 Date: 06/12/2025

Site Name: East Pecos 22-3 Produced Water Gathering Line

Incident Number: nAB1614039576 & nAB1616628496

Job Number: 19381

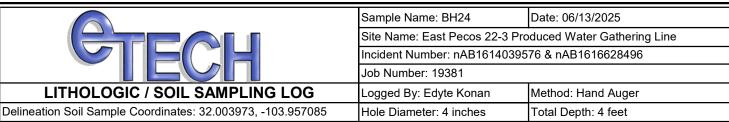
LITHOLOGIC / SOIL SAMPLING LOG

Delineation Soil Sample Coordinates: 32.004161, -103.956073

Logged By: Edyte Konan Method: Hand Auger
Hole Diameter: 4 inches Total Depth: 4 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Roc Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0'-1') SAND with gravel, dry, reddish brown, fine
Dry	228	0.0	No	BH23	0.5	0.5		to coarse grain, well graded with silt, subangular to
	000	0.0	 	DI IOO		- ,		subrounded gravel (2"), no staining or odor.
Dry	332	0.0	No	BH23	1	_ 1	SD SM	(1-4') SAND with silt, dry, reddish brown, poorly
					-	-	3P-3IVI	graded with silt, very fine to fine grain, no staining
					-	_		or odor.
Dry	548	0.0	No	BH23	2	2		
						_		
			 			_		
Dry	412	0.0	No	BH23	3 _	_ 3		
					-	_		
					-	_		
Dry	332	0.0	No	BH23	4 -	4		



Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<116	0.0	No	BH24	0.5	- 0 - 0.5	SP-SM	graded with silt, very fine to fine grain, trace
Dry	<116	0.0	No	BH24	1 _	_ 1		gypsum crystalline, no staining or odor.
Dry	548	0.0	No	BH24	2 _	- - - 2 -		
Dry	500	0.0	No	BH24	3 -	- - 3 -		
Dry	836	0.0	No	BH24	4	- 4		

Dry 836 0.0 No BH24 4 4 Total Depth



Sample Name: BH25 Date: 06/13/2025

Site Name: East Pecos 22-3 Produced Water Gathering Line

Incident Number: nAB1614039576 & nAB1616628496

Job Number: 19381

LITHOLOGIC / SOIL SAMPLING LOG

Delineation Soil Sample Coordinates: 32.003993, -103.956874

Logged By: Edyte Konan Method: Hand Auger
Hole Diameter: 4 inches Total Depth: 4 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Roc Symbol	Lithologic Descriptions/Notes
	000			DUIDE		0	SP-SM	(0-4') SAND with silt, dry, reddish brown, poorly
Dry	600	0.0	No	BH25	0.5	0.5		graded with silt, very fine to fine grain, trace
Dry	772	0.0	No	BH25	1 -	1		gypsum crystalline, no staining or odor.
		0.0	"	5.120		_ '		
]	_		
D	4 000		NI -	DUOE		- 0		
Dry	1,292	0.0	No	BH25	2 _	_ 2		
					-	_		
						_		
Dry	1,292	0.0	No	BH25	3 _	_ 3		
					-	-		
					-	_		
Dry	1,056	0.0	No	BH25	4	4		



Sample Name: BH26 Date: 06/13/2025

Site Name: East Pecos 22-3 Produced Water Gathering Line

Incident Number: nAB1614039576 & nAB1616628496

Job Number: 19381

LITHOLOGIC / SOIL SAMPLING LOG

Delineation Soil Sample Coordinates: 32.004065, -103.956414

Logged By: Edyte Konan Method: Hand Auger
Hole Diameter: 4 inches Total Depth: 4 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<116	0.0	No	BH26	0.5	0 0.5	SP-SM	(0-4') SAND with silt, dry, reddish brown, poorly graded with silt, very fine to fine grain, trace
Dry	260	0.0	No	BH26	1 _	1		gypsum crystalline, no staining or odor.
Dry	500	0.0	No	BH26	2 _	- - - 2 -		
Dry	804	0.0	No	BH26	3 _	- - 3 -		
Dry	1,520	0.0	No	BH26	4	4		



Sample Name: BH27 Date: 06/13/2025

Site Name: East Pecos 22-3 Produced Water Gathering Line

Incident Number: nAB1614039576 & nAB1616628496

Job Number: 19381

LITHOLOGIC / SOIL SAMPLING LOG

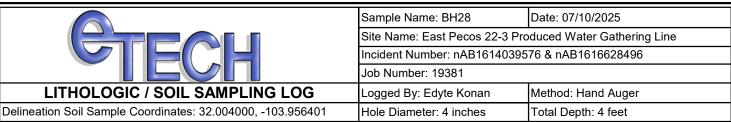
Delineation Soil Sample Coordinates: 32.004095, -103.956067

Logged By: Edyte Konan Method: Hand Auger
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.

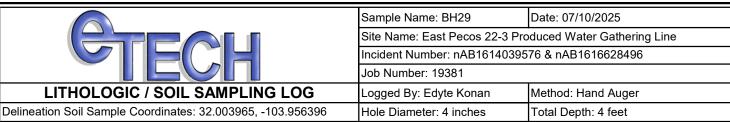
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Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Roc Symbol	Lithologic Descriptions/Notes
	.440			D. 107		0	SP-SM	(0-4') SAND with silt, dry, reddish brown, poorly
Dry	<116	0.0	No	BH27	0.5	_ 0.5		graded with silt, very fine to fine grain, trace
Dry	<116	0.0	No	BH27		L 1		gypsum crystalline, no staining or odor.
	1110	0.0	10	01127	' -	- '		
]	-		
	400			D. 107	_	- ,		
Dry	160	0.0	No	BH27	2 _	_ 2		
					-	-		
					-	_		
Dry	244	0.0	No	BH27	3 _	_ 3		
						-		
					-	_		
Dry	348	0.0	No	BH27	4 -	4		



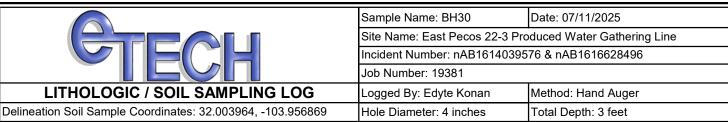
Dry <112		Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry <112 0.1 No BH28 1 1 1	ľ	_	4.46			51100		_	SP-SM	
Dry <112	ı	Dry	<112	0.0	No	BH28	0.5	_ 0.5		
Dry 300 0.1 No BH28 2 2 @ 2' Increase in gypsum crystaline from none to trace.		Drv	<112	0.1	No	BH28	1 -	- 1		staining or odor.
Dry 856 0.7 No BH28 4 4		Dry	508	0.6	No	BH28	3 -	- - - 3 - -		@ 2' Increase in gypsum crystaline from none to trace.

Dry 856 0.7 No BH28 4 4 Total Depth

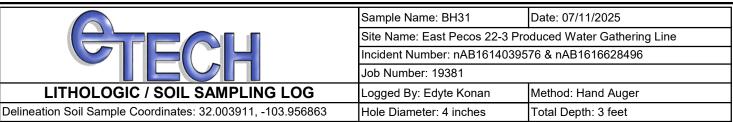


Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-4') SAND with silt, dry, reddish brown, poorly
Dry	<112	0.0	No	BH29	0.5	0.5		graded with silt, very fine to fine grain, no
Dry	156	0.1	No	BH29		1		staining or odor.
,					_			
Dry	184	0.3	No	BH29	2 _	_ _ 2 -		@ 2' Increase in gypsum crystaline from none to trace.
Dry	236	0.3	No	BH29	3 -	- - - -		
Dry	236	0.2	No	BH29	4	4		

Dry 236 0.2 No BH29 4 4 Total Depth



Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
					0	SP-SM	(0-4') SAND with silt, dry, reddish brown, poorly
<112	0.3	No	BH30	0.5	0.5		graded with silt, very fine to fine grain, no staining
<112	0.3	No	BH30	1 _	1		or odor.
1,152	0.5	No	ВН30	2 <u>-</u>	2		@ 2' Increase in gypsum crystaline from none to trace.
1,628	0.4	No	BH30	3	3		@ 3' Refusal.
	<112 <112 1,152	<112	<112 0.3 No <112 0.3 No 1,152 0.5 No	CHlorid (bbm)	Chlorid (ppm)	Chlorid Chlori	Chlorid (pp) Ch



Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-4') SAND with silt, dry, reddish brown, poorly
Dry	<112	0.2	No	BH31	0.5	0.5		graded with silt, very fine to fine grain, no staining
Dm	176	0.1	N _a	BH31	1 .	1		or odor.
Dry	176	0.1	No	рпот	' -	├ '		
Dry	412	0.2	No	BH31	2 -	- - 2 -		@ 2' Increase in gypsum crystaline from none to trace.
Dry	412	0.2	No	BH31	3	3		@ 3' Refusal.
							Tota	l Depth

APPENDIX F

Photographic Log

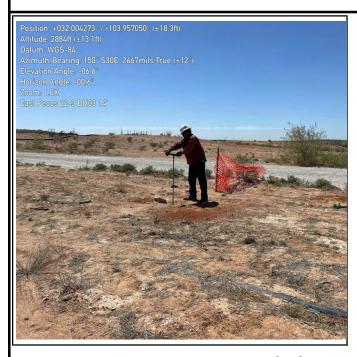
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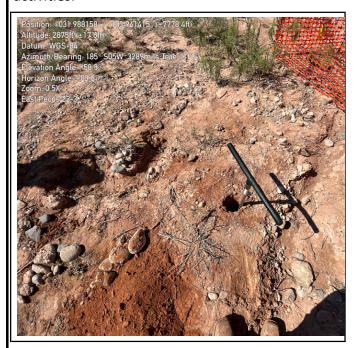


PHOTOGRAPHIC LOG WPX Energy Permian, LLC.

East Pecos 22-3 Produced Water Gathering Line Incident Numbers: nAB1614039576 & nAB1616628496



Photograph 1 Date: 05/22/2024 Description: Southeastern view of delineation activities.



Photograph 3 Date: 06/12/2025 Description: Southwestern view of delineation activities.



Photograph 2 Date: 06/11/2025
Description: Southwestern view of delineation activities.



Photograph 4 Date: 06/13/2025 Description: Northeastern view of delineation activities.

APPENDIX G

Tables

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Table 1 SOIL SAMPLE ANALYTICAL RESULTS WPX Energy Permian, LLC East Pecos 22-3 Produced Water Gathering Line Eddy County, New Mexico

			_							
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closui Release (NMAC 19.15.		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
			[Delineation Soil Sample	es - Incident Numbers	nAB1614039576 & nAB	1616628496			
BH01*	05/16/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	73.3	<25.0	73.3	26.2
BH01	05/16/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	11/07/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	32.7
BH01	11/07/2024	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	11/07/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
BH01	11/07/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH01	11/07/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH01	11/07/2024	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH01	11/07/2024	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	11/07/2024	18	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH01	11/07/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH01	11/07/2024	22	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	62.3
BH01	11/07/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	46.1
BH01	11/07/2024	26	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH01	11/07/2024	28	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH01	11/07/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH01	11/07/2024	32	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH01	11/07/2024	34	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH01	11/07/2024	36	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH01	11/07/2024	38	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	42.0
BH01	11/07/2024	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.7
BH01	11/07/2024	42	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH01	11/07/2024	44	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	11/07/2024	46	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	44.3
BH01	11/07/2024	48	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	44.2
BH01	11/07/2024	50	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	57.1
BH01	11/07/2024	52	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	59.1
BH01	11/07/2024	54	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	44.3
BH01	11/07/2024	55	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	38.0
BH02*	05/16/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	912



Table 1 SOIL SAMPLE ANALYTICAL RESULTS WPX Energy Permian, LLC East Pecos 22-3 Produced Water Gathering Line Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closur Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
			I	Delineation Soil Sample	es - Incident Numbers	nAB1614039576 & nAB	1616628496			
BH02	05/16/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,300
BH02	05/22/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,460
BH02	05/23/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,800
BH02	05/23/2024	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,270
BH02	11/05/2024	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,380
BH02	11/05/2024	18	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,620
BH02	11/05/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,430
BH02	11/05/2024	22	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,820
BH02	11/05/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,430
BH02	11/05/2024	26	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,100
BH02	11/05/2024	28	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,160
BH02	11/05/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,150
BH02	11/05/2024	32	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,340
BH02	11/05/2024	34	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,700
BH02	11/05/2024	36	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,310
BH02	11/05/2024	38	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,280
BH02	11/05/2024	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,040
BH02	11/05/2024	42	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,090
BH02	11/05/2024	44	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	336
BH02	11/05/2024	46	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	375
BH02	11/05/2024	48	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	349
BH02	11/05/2024	50	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	343
BH02	11/05/2024	52	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	398
BH02	11/05/2024	54	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	404
BH02	11/05/2024	55	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	297
BH03*	05/16/2024	0.5	<0.0250	<0.0500	<20.0	28.2	67.6	28.2	95.8	81.8
BH03	05/16/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,050
BH03	05/22/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,910
BH03	05/22/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,610
BH03	05/22/2024	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,950



Table 1 SOIL SAMPLE ANALYTICAL RESULTS WPX Energy Permian, LLC East Pecos 22-3 Produced Water Gathering Line Eddy County, New Mexico

						1	·			1
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
				Delineation Soil Sample	es - Incident Numbers	nAB1614039576 & nAB	1616628496			
BH03	05/23/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,210
BH03	05/23/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,420
BH03	11/04/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,060
BH03	11/04/2024	26	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,800
BH03	11/04/2024	28	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,140
BH03	11/04/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,380
BH03	11/04/2024	32	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,250
BH03	11/04/2024	34	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,990
BH03	11/04/2024	36	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,850
BH03	11/04/2024	38	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,780
BH03	11/04/2024	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,640
BH03	11/04/2024	42	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,630
BH03	11/04/2024	44	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,580
BH03	11/04/2024	46	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,260
BH03	11/04/2024	48	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,250
BH03	11/04/2024	50	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	924
BH03	11/04/2024	52	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	940
BH03	11/04/2024	54	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	799
BH03	11/04/2024	55	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	772
BH04*	05/16/2024	0.5	<0.0250	<0.0500	<20.0	503	834	503	1,340	1,940
BH04	05/16/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,440
BH04	05/22/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,450
BH04	05/22/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,350
BH04	05/22/2024	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,670
BH04	05/23/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	336
BH04	11/05/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,960
BH04	11/05/2024	22	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,680
BH04	11/05/2024	24	<0.0500	<0.1000	<40.0	<25.0	<50.0	<25.0	<50.0	3,630
BH04	11/05/2024	26	<0.0500	<0.1000	<40.0	<25.0	<50.0	<25.0	<50.0	3,350
BH04	11/05/2024	28	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,170



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
				Delineation Soil Sample	es - Incident Numbers	nAB1614039576 & nAB	1616628496			
BH04	11/05/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,950
BH04	11/05/2024	32	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,310
BH04	11/05/2024	34	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,120
BH04	11/05/2024	36	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,900
BH04	11/05/2024	38	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,790
BH04	11/05/2024	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,570
BH04	11/05/2024	42	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,640
BH04	11/05/2024	44	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,530
BH04	11/05/2024	46	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,380
BH04	11/05/2024	48	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,360
BH04	11/05/2024	50	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,140
BH04	11/05/2024	52	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	855
BH04	11/05/2024	54	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	792
BH04	11/05/2024	55	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	816
BH05*	05/16/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,270
BH05	05/16/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,980
BH05	05/22/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,800
BH05	05/22/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,800
BH05	05/22/2024	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,640
BH05	11/05/2024	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,940
BH05	11/05/2024	18	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,060
BH05	11/05/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,900
BH05	11/05/2024	22	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,970
BH05	11/05/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,290
BH05	11/05/2024	26	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,810
BH05	11/05/2024	28	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,650
BH05	11/05/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,760
BH05	11/05/2024	32	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,280
BH05	11/05/2024	34	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,330
BH05	11/05/2024	36	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,980



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
			ι	Delineation Soil Sample	es - Incident Numbers	nAB1614039576 & nAB	1616628496			
BH05	11/05/2024	38	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,410
BH05	11/05/2024	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,970
BH05	11/05/2024	42	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,480
BH05	11/05/2024	44	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,310
BH05	11/05/2024	46	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,340
BH05	11/05/2024	48	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,490
BH05	11/05/2024	50	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,350
BH05	11/05/2024	52	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,470
BH05	11/05/2024	54	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	453
BH05	11/05/2024	55	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,450
BH06*	05/16/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	158
BH06	05/16/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH06	11/06/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,330
BH06	11/06/2024	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,320
BH06	11/06/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,540
BH06	11/06/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,800
BH06	11/06/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,670
BH06	11/06/2024	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,760
BH06	11/06/2024	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,460
BH06	11/06/2024	18	<0.0500	<0.1000	<40.0	<25.0	<50.0	<25.0	<50.0	1,880
BH06	11/06/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,160
BH06	11/06/2024	22	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	933
BH06	11/06/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,040
BH06	11/06/2024	26	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,090
BH06	11/06/2024	28	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,870
BH06	11/06/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,930
BH06	11/06/2024	32	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,750
BH06	11/06/2024	34	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,640
BH06	11/06/2024	36	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,550
BH06	11/06/2024	38	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,470



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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
				Delineation Soil Sample	es - Incident Numbers	nAB1614039576 & nAB	1616628496		•	
BH06	11/06/2024	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,510
BH06	11/06/2024	42	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,620
BH06	11/06/2024	44	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,560
BH06	11/06/2024	46	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,100
BH06	11/06/2024	48	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	932
BH06	11/06/2024	50	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	831
BH06	11/06/2024	52	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	808
BH06	11/06/2024	54	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	678
BH06	11/06/2024	55	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	477
BH07*	05/22/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,270
BH07	05/22/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,710
BH07	05/23/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	853
BH07	11/06/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	716
BH07	05/23/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	347
BH07	11/06/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	847
BH07	11/06/2024	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,300
BH07	11/06/2024	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,320
BH07	11/06/2024	18	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,320
BH07	11/06/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,310
BH07	11/06/2024	22	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,060
BH07	11/06/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,060
BH07	11/06/2024	26	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,240
BH07	11/06/2024	28	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,750
BH07	11/06/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,010
BH07	11/06/2024	32	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,850
BH07	11/06/2024	34	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,390
BH07	11/06/2024	36	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,200
BH07	11/06/2024	38	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	737
BH07	11/06/2024	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	677
BH07	11/06/2024	42	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	672



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
				Delineation Soil Sample	es - Incident Numbers	nAB1614039576 & nAB	1616628496			
BH07	11/06/2024	44	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	633
BH07	11/06/2024	46	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	928
BH07	11/06/2024	48	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	868
BH07	11/06/2024	50	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	908
BH07	11/06/2024	52	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	825
BH07	11/06/2024	54	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	808
BH07	11/06/2024	55	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	376
BH08*	05/22/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,920
BH08	05/22/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,730
BH08	05/23/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	326
BH08	11/06/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	454
BH08	11/06/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	434
BH08	11/06/2024	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	419
BH08	11/06/2024	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	440
BH08	11/06/2024	18	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	433
BH08	11/06/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	476
BH08	11/06/2024	22	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	585
BH08	11/06/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	637
BH08	11/06/2024	26	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	993
BH08	11/06/2024	28	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	596
BH08	11/06/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	600
BH08	11/06/2024	32	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	528
BH08	11/06/2024	34	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	665
BH08	11/06/2024	36	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	562
BH08	11/06/2024	38	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	803
BH08	11/06/2024	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	902
BH08	11/06/2024	42	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	721
BH08	11/06/2024	44	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	888
BH08	11/06/2024	46	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	787
BH08	11/06/2024	48	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	661



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
				Delineation Soil Sample	es - Incident Numbers	nAB1614039576 & nAB	1616628496			
BH08	11/06/2024	50	<0.0250	0.0375	<20.0	<25.0	<50.0	<25.0	<50.0	591
BH08	11/06/2024	52	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	235
BH08	11/06/2024	54	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	232
BH08	11/06/2024	55	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	162
BH09*	11/07/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	43.1
BH09*	11/07/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH09	11/07/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH09	11/07/2024	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	267
BH09	11/07/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	267
BH09	11/07/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	264
BH09	11/07/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	265
BH09	11/07/2024	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	263
BH09	11/07/2024	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	256
BH09	11/07/2024	18	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	336
BH09	11/07/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	135
BH09	11/07/2024	22	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	196
BH09	11/07/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	126
BH09	11/07/2024	26	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	135
BH09	11/07/2024	28	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	131
BH09	11/07/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	131
BH09	11/07/2024	32	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	132
BH09	11/07/2024	34	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	137
BH09	11/07/2024	36	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	132
BH09	11/07/2024	38	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
ВН09	11/07/2024	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
ВН09	11/07/2024	42	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	354
ВН09	11/07/2024	44	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	354
ВН09	11/07/2024	46	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
ВН09	11/07/2024	48	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	172
BH09	11/07/2024	50	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	174



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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closur Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
			Г	Delineation Soil Sample	es - Incident Numbers	nAB1614039576 & nAB	1616628496			
ВН09	11/07/2024	52	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	191
BH09	11/07/2024	54	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	135
BH09	11/07/2024	55	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH10*	11/07/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH10*	11/07/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	54.2
BH10	11/07/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	64.0
BH10	11/07/2024	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	64.2
BH10	11/07/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH10	11/07/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	51.0
BH10	11/07/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	66.0
BH10	11/07/2024	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	65.9
BH10	11/07/2024	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH10	11/07/2024	18	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH10	11/07/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH10	11/07/2024	22	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH10	11/07/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH10	11/07/2024	26	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH10	11/07/2024	28	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH10	11/07/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH10	11/07/2024	32	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH10	11/07/2024	34	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH10	11/07/2024	36	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH10	11/07/2024	38	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH10	11/07/2024	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH10	11/07/2024	42	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH10	11/07/2024	44	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH10	11/07/2024	46	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH10	11/07/2024	48	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH10	11/07/2024	50	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH10	11/07/2024	52	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closur Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
			I	Delineation Soil Sample	es - Incident Numbers	nAB1614039576 & nAB	1616628496			
BH10	11/07/2024	54	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH10	11/07/2024	55	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH11*	11/07/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	174
BH11*	11/07/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	185
BH11	11/07/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	427
BH11	11/07/2024	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	358
BH11	11/07/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	360
BH11	11/07/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,240
BH11	11/07/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,830
BH11	11/07/2024	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,830
BH11	11/07/2024	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,790
BH11	11/07/2024	18	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,100
BH11	11/07/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,070
BH11	11/07/2024	22	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,100
BH11	11/07/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,030
BH11	11/07/2024	26	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,970
BH11	11/07/2024	28	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,240
BH11	11/07/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,250
BH11	11/07/2024	32	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,350
BH11	11/07/2024	34	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,360
BH11	11/07/2024	36	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,400
BH11	11/07/2024	38	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,370
BH11	11/07/2024	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,250
BH11	11/07/2024	42	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,580
BH11	11/07/2024	44	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,250
BH11	11/07/2024	46	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,300
BH11	11/07/2024	48	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	196
BH11	11/07/2024	50	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	486
BH11	11/07/2024	52	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	561
BH11	11/07/2024	54	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	485



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
			ι	Delineation Soil Sample	es - Incident Numbers	nAB1614039576 & nAB	1616628496			
BH11	11/07/2024	55	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	576
BH12*	11/08/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	378
BH12*	11/08/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	505
BH12	11/08/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	528
BH12	11/08/2024	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	546
BH12	11/08/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	484
BH12	11/08/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	80.7
BH12	11/08/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	82.2
BH12	11/08/2024	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.6
BH12	11/08/2024	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	64.7
BH12	11/08/2024	18	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	72.3
BH12	11/08/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	72.8
BH12	11/08/2024	22	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	65.1
BH12	11/08/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	70.7
BH12	11/08/2024	26	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	73.0
BH12	11/08/2024	28	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	69.4
BH12	11/08/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	72.8
BH12	11/08/2024	32	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	72.2
BH12	11/08/2024	34	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	73.8
BH12	11/08/2024	36	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	82.1
BH12	11/08/2024	38	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	80.7
BH12	11/08/2024	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	58.8
BH12	11/08/2024	42	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	63.4
BH12	11/08/2024	44	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	83.7
BH12	11/08/2024	46	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.7
BH12	11/08/2024	48	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	534
BH12	11/08/2024	50	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	513
BH12	11/08/2024	52	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	480
BH12	11/08/2024	54	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	182
BH12	11/08/2024	55	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	168



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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
				Delineation Soil Sample	es - Incident Numbers	nAB1614039576 & nAB	1616628496			
BH13*	11/08/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	183
BH13*	11/08/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	178
BH13	11/08/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	181
BH13	11/08/2024	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	184
BH13	11/08/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	176
BH13	11/08/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH13	11/08/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH13	11/08/2024	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH13	11/08/2024	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH13	11/08/2024	18	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH13	11/08/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH13	11/08/2024	22	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH13	11/08/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH13	11/08/2024	26	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH13	11/08/2024	28	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH13	11/08/2024	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH13	11/08/2024	32	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH13	11/08/2024	34	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH13	11/08/2024	36	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH13	11/08/2024	38	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	396
BH13	11/08/2024	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	374
BH13	11/08/2024	42	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	396
BH13	11/08/2024	44	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	381
BH13	11/08/2024	46	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	379
BH13	11/08/2024	48	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	391
BH13	11/08/2024	50	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	124
BH13	11/08/2024	52	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	128
BH13	11/08/2024	54	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	127
BH13	11/08/2024	55	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	131
BH14*	06/11/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	87.5



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
			Ι	Delineation Soil Sample	es - Incident Numbers	nAB1614039576 & nAB	1616628496			
BH14*	06/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	231
BH14*	06/11/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.1
BH14*	06/11/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.7
BH14	06/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	48.7
BH15*	06/11/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.1
BH15*	06/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	63.9
BH15*	06/11/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	36.2
BH15*	06/11/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.3
BH15	06/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	131
BH16*	06/11/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	198
BH16*	06/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	223
BH16*	06/11/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	249
BH16*	06/11/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	231
BH16	06/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	421
BH17*	06/11/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	766
BH17*	06/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,440
BH17*	06/11/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,760
BH17*	06/11/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,640
BH17	06/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,510
BH18*	06/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	261
BH18	06/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,850
BH19*	06/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,120 [†]
BH19*	06/12/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,540 [†]
BH19	06/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,420
BH20*	06/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	372
BH20*	06/12/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,250
BH20	06/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,200
BH21*	06/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	472
BH21	06/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	831
BH22*	06/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	215



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
				Delineation Soil Sample	es - Incident Numbers	nAB1614039576 & nAB	1616628496			
BH22	06/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,040
BH23*	06/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
BH23*	06/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	671
BH23	06/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	338
BH24*	06/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	87.3
BH24*	06/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH24*	06/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	284
BH24*	06/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	341
BH24	06/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	276
BH25*	06/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	610
BH25*	06/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	824
BH25*	06/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,470
BH25*	06/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,810
BH25	06/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,530
BH26*	06/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH26*	06/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH26*	06/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	376
BH26*	06/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,160
BH26	06/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,700
BH27*	06/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH27*	06/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
BH27*	06/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
BH27*	06/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	259
BH27	06/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	402
BH28*	07/10/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH28*	07/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH28*	07/10/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	466
BH28*	07/10/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	744
BH28	07/10/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	833
BH29*	07/10/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
			[Delineation Soil Sample	es - Incident Numbers :	nAB1614039576 & nAB	1616628496			
BH29*	07/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	120
BH29*	07/10/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	200
BH29*	07/10/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	282
BH29	07/10/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	281
BH30*	07/11/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH30*	07/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH30*	07/11/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	969
BH30*	07/11/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,530
BH31*	07/11/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
BH31*	07/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	165
BH31*	07/11/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	527
BH31*	07/11/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	517

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Text in "grey" represents excavated soil samples

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

" * "Soil sample was collected in the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13, if exceeding the reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH.

APPENDIX H

Laboratory Analytical Reports & Chain-of-Custody Documentation

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



Report to:
Gilbert Moreno







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E405265

Job Number: 01058-0007

Received: 5/20/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/29/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 5/29/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E405265

Date Received: 5/20/2024 9:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/20/2024 9:30:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Sample Summary

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	Reporteu:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/29/24 13:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 0.5'	E405265-01A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
BH01 4'	E405265-02A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
BH02 0.5'	E405265-03A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
BH02 4'	E405265-04A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
BH03 0.5'	E405265-05A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
BH03 4'	E405265-06A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
BH04 0.5'	E405265-07A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
BH04 4'	E405265-08A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
BH05 0.5'	E405265-09A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
BH05 4'	E405265-10A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
BH06 0.5'	E405265-11A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
BH06 4'	E405265-12A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/29/2024 1:58:39PM

BH01 0.5' E405265-01

Reporting									
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2421112		
Benzene	ND	0.0250		1	05/23/24	05/26/24			
Ethylbenzene	ND	0.0250		1	05/23/24	05/26/24			
Toluene	ND	0.0250		1	05/23/24	05/26/24			
o-Xylene	ND	0.0250		1	05/23/24	05/26/24			
p,m-Xylene	ND	0.0500		1	05/23/24	05/26/24			
Total Xylenes	ND	0.0250		1	05/23/24	05/26/24			
Surrogate: Bromofluorobenzene		110 %	70-130		05/23/24	05/26/24			
Surrogate: 1,2-Dichloroethane-d4		89.7 %	70-130		05/23/24	05/26/24			
Surrogate: Toluene-d8		107 %	70-130		05/23/24	05/26/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2421112		
Nonhalogenated Organics by EPA 8015D - GRO Gasoline Range Organics (C6-C10)	mg/kg ND	mg/kg 20.0		Analyst:	IY 05/23/24	05/26/24	Batch: 2421112		
						05/26/24 05/26/24	Batch: 2421112		
Gasoline Range Organics (C6-C10)		20.0			05/23/24		Batch: 2421112		
Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene		20.0	70-130		05/23/24 05/23/24	05/26/24	Batch: 2421112		
Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4		20.0 110 % 89.7 %	70-130 70-130 70-130		05/23/24 05/23/24 05/23/24 05/23/24	05/26/24 05/26/24	Batch: 2421112		
Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	ND	20.0 110 % 89.7 % 107 %	70-130 70-130 70-130	1	05/23/24 05/23/24 05/23/24 05/23/24	05/26/24 05/26/24			
Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Nonhalogenated Organics by EPA 8015D - DRO/ORO	ND mg/kg	20.0 110 % 89.7 % 107 % mg/kg	70-130 70-130 70-130	1	05/23/24 05/23/24 05/23/24 05/23/24 NV	05/26/24 05/26/24 05/26/24			
Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Nonhalogenated Organics by EPA 8015D - DRO/ORO Diesel Range Organics (C10-C28)	ND mg/kg ND	20.0 110 % 89.7 % 107 % mg/kg 25.0	70-130 70-130 70-130	1	05/23/24 05/23/24 05/23/24 05/23/24 NV 05/23/24	05/26/24 05/26/24 05/26/24			
Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Nonhalogenated Organics by EPA 8015D - DRO/ORO Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND mg/kg ND	20.0 110 % 89.7 % 107 % mg/kg 25.0 50.0	70-130 70-130 70-130 50-200	1	05/23/24 05/23/24 05/23/24 05/23/24 NV 05/23/24 05/23/24 05/23/24	05/26/24 05/26/24 05/26/24 05/26/24 05/26/24			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/29/2024 1:58:39PM

BH01 4' E405265-02

		E403203-02				
Analyte	Result	Reporting Limit	Dilut	tion Prepar	ed Analyzed	Notes
· ·	mg/kg	mg/kg		Analyst: IY		Batch: 2421112
Volatile Organic Compounds by EPA 8260B	ND	0.0250	1	05/23/	24 05/26/24	Batch: 2421112
Benzene	ND ND	0.0250	1	05/23/		
Ethylbenzene	ND ND	0.0250	1	05/23/		
Toluene	ND ND	0.0250	1	05/23/		
o-Xylene	ND ND	0.0230	1	05/23/.		
p,m-Xylene	ND ND		1	05/23/.		
Total Xylenes	ND	0.0250	1			
Surrogate: Bromofluorobenzene		110 %	70-130	05/23/.	24 05/26/24	
Surrogate: 1,2-Dichloroethane-d4		89.7 %	70-130	05/23/	24 05/26/24	
Surrogate: Toluene-d8		106 %	70-130	05/23/	24 05/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2421112
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/	24 05/26/24	
Surrogate: Bromofluorobenzene		110 %	70-130	05/23/	24 05/26/24	
Surrogate: 1,2-Dichloroethane-d4		89.7 %	70-130	05/23/	24 05/26/24	
Surrogate: Toluene-d8		106 %	70-130	05/23/	24 05/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV		Batch: 2421101
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/	24 05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/	24 05/26/24	
Surrogate: n-Nonane		107 %	50-200	05/23/	24 05/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: IY		Batch: 2421106
Chloride	ND	20.0	1	05/23/	24 05/23/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/29/2024 1:58:39PM

BH02 0.5' E405265-03

	E-103203-03				
Pagult	Reporting	Dilutia	n Dranara d	Analyzad	Notes
Resuit	Limit	Dilutio	on Prepared	Anaiyzed	Notes
mg/kg	mg/kg	An	nalyst: IY		Batch: 2421112
ND	0.0250	1	05/23/24	05/26/24	
ND	0.0250	1	05/23/24	05/26/24	
ND	0.0250	1	05/23/24	05/26/24	
ND	0.0250	1	05/23/24	05/26/24	
ND	0.0500	1	05/23/24	05/26/24	
ND	0.0250	1	05/23/24	05/26/24	
	108 %	70-130	05/23/24	05/26/24	
	91.5 %	70-130	05/23/24	05/26/24	
	107 %	70-130	05/23/24	05/26/24	
mg/kg	mg/kg	An	nalyst: IY		Batch: 2421112
ND	20.0	1	05/23/24	05/26/24	
	108 %	70-130	05/23/24	05/26/24	
	91.5 %	70-130	05/23/24	05/26/24	
	107 %	70-130	05/23/24	05/26/24	
mg/kg	mg/kg	An	nalyst: NV		Batch: 2421101
ND	25.0	1	05/23/24	05/26/24	
ND	50.0	1	05/23/24	05/26/24	
	108 %	50-200	05/23/24	05/26/24	
mg/kg	mg/kg	An	nalyst: IY		Batch: 2421106
912		10	05/23/24	05/23/24	
• • • • • • • • • • • • • • • • • • •	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 IO8 % 91.5 % 107 % mg/kg ND 20.0 IO8 % 91.5 % 107 % mg/kg Mg/kg mg/kg ND 25.0 ND 50.0 IO8 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ar ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 108 % 70-130 91.5 % 70-130 107 % 70-130 mg/kg mg/kg Ar ND 20.0 1 108 % 70-130 70-130 mg/kg mg/kg Ar ND 25.0 1 ND 50.0 1 108 % 50-200 mg/kg mg/kg Ar	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 05/23/24 ND 0.0250 1 05/23/24 ND 0.0250 1 05/23/24 ND 0.0500 1 05/23/24 ND 0.0250 1 05/23/24 ND 0.0250 1 05/23/24 91.5 % 70-130 05/23/24 91.5 % 70-130 05/23/24 107 % 70-130 05/23/24 91.5 % 70-130 05/23/24 91.5 % 70-130 05/23/24 91.5 % 70-130 05/23/24 107 % 70-130 05/23/24 107 % 70-130 05/23/24 107 % 70-130 05/23/24 107 % 70-130 05/23/24 ND 25.0 1 05/23/24 ND 50.0 1 05/23/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 05/23/24 05/26/24 ND 0.0500 1 05/23/24 05/26/24 ND 0.0250 1 05/23/24 05/26/24 ND 0.0250 1 05/23/24 05/26/24 ND 0.0250 1 05/23/24 05/26/24 91.5 % 70-130 05/23/24 05/26/24 91.5 % 70-130 05/23/24 05/26/24 mg/kg mg/kg Analyst: IY ND 20.0 1 05/23/24 05/26/24 107 % 70-130 05/23/24 05/26/24 mg/kg mg/kg Analyst: NV



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/29/2024 1:58:39PM

BH02 4' E405265-04

		E403203-04					
Anglista	Result	Reporting Limit	Diluti	ion D	ana d	Amalagad	Notes
Analyte	Resuit	Limit	Diluti	ion Prep	ared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2421112
Benzene	ND	0.0250	1	05/2	3/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23	3/24	05/26/24	
Toluene	ND	0.0250	1	05/23	3/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23	3/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23	3/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/2	3/24	05/26/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/2.	3/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		89.9 %	70-130	05/2.	3/24	05/26/24	
Surrogate: Toluene-d8		105 %	70-130	05/2.	3/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY			Batch: 2421112
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23	3/24	05/26/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/2.	3/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		89.9 %	70-130	05/2.	3/24	05/26/24	
Surrogate: Toluene-d8		105 %	70-130	05/2.	3/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: NV			Batch: 2421101
Diesel Range Organics (C10-C28)	ND	25.0	1	05/2	3/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23	3/24	05/26/24	
Surrogate: n-Nonane		104 %	50-200	05/2.	3/24	05/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: IY			Batch: 2421106
Chloride	2300	200	10	05/23	3/24	05/23/24	_



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/29/2024 1:58:39PM

BH03 0.5' E405265-05

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY	7		Batch: 2421112
Benzene	ND	0.0250	1		05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	Į.	05/23/24	05/26/24	
Toluene	ND	0.0250	1	l	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	Į.	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	Į.	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	[05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		108 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		93.7 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8		105 %	70-130		05/23/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY	7		Batch: 2421112
Gasoline Range Organics (C6-C10)	ND	20.0	1	Į.	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		108 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		93.7 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8		105 %	70-130		05/23/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: N	V		Batch: 2421101
Diesel Range Organics (C10-C28)	28.2	25.0	1		05/23/24	05/26/24	
Oil Range Organics (C28-C36)	67.6	50.0	1	ļ.	05/23/24	05/26/24	
Surrogate: n-Nonane	·	115 %	50-200		05/23/24	05/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY	7		Batch: 2421106
Chloride	81.8	40.0	2	2	05/23/24	05/23/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/29/2024 1:58:39PM

BH03 4' E405265-06

		E405205-00					
	D. Iv	Reporting			D 1		N
Analyte	Result	Limit	Dilt	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2421112
Benzene	ND	0.0250		1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250		1	05/23/24	05/26/24	
Toluene	ND	0.0250		1	05/23/24	05/26/24	
o-Xylene	ND	0.0250		1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500		1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250		1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		111 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		91.7 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8		106 %	70-130		05/23/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2421112
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		111 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		91.7 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8		106 %	70-130		05/23/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2421101
Diesel Range Organics (C10-C28)	ND	25.0		1	05/23/24	05/26/24	_
Oil Range Organics (C28-C36)	ND	50.0		1	05/23/24	05/26/24	
Surrogate: n-Nonane		108 %	50-200		05/23/24	05/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2421106
Chloride	5050	100		5	05/23/24	05/23/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/29/2024 1:58:39PM

BH04 0.5' E405265-07

	E-103203-07					
D 1	Reporting	D'1 .		D 1		N
Kesult	Limit	Dilut	tion I	Prepared	Analyzed	Notes
mg/kg	mg/kg	A	Analyst: IY			Batch: 2421112
ND	0.0250	1	. (05/23/24	05/26/24	
ND	0.0250	1	. (05/23/24	05/26/24	
ND	0.0250	1	. (05/23/24	05/26/24	
ND	0.0250	1	. (05/23/24	05/26/24	
ND	0.0500	1	. (05/23/24	05/26/24	
ND	0.0250	1	. (05/23/24	05/26/24	
	110 %	70-130	(05/23/24	05/26/24	
	91.1 %	70-130	(05/23/24	05/26/24	
	106 %	70-130	(05/23/24	05/26/24	
mg/kg	mg/kg	Α	Analyst: IY			Batch: 2421112
ND	20.0	1	. (05/23/24	05/26/24	
	110 %	70-130	(05/23/24	05/26/24	
	91.1 %	70-130	(05/23/24	05/26/24	
	106 %	70-130	(05/23/24	05/26/24	
mg/kg	mg/kg	Α	Analyst: NV			Batch: 2421101
503	25.0	1	. (05/23/24	05/26/24	_
834	50.0	1	. (05/23/24	05/26/24	
	116 %	50-200	(05/23/24	05/26/24	
mg/kg	mg/kg	Α	Analyst: IY			Batch: 2421106
	ND SSS SSS	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 II0 % 91.1 % 106 % 110 % 91.1 % 106 % mg/kg mg/kg MD 20.0 110 % 91.1 % 106 % 106 % mg/kg mg/kg 503 25.0 834 50.0 116 %	Reporting Result Limit Dilu mg/kg mg/kg ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 70-130 1 91.1 % 70-130 1 106 % 70-130 1 91.1 % 70-130 1 91.1 % 70-130 1 106 % 70-130 1 mg/kg mg/kg 1 mg/kg 50.0 1 116 % 50-200 1	Reporting Result Limit Dilution mg/kg mg/kg Analyst: IY ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 110 % 70-130 1 91.1 % 70-130 1 106 % 70-130 1 91.1 % 70-130 1 106 % 70-130 1 mg/kg mg/kg Analyst: IY 503 25.0 1 834 50.0 1	Reporting Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 05/23/24 ND 0.0250 1 05/23/24 ND 0.0250 1 05/23/24 ND 0.0500 1 05/23/24 ND 0.0250 1 05/23/24 ND 0.0250 1 05/23/24 91.1 % 70-130 05/23/24 91.1 % 70-130 05/23/24 106 % 70-130 05/23/24 ND 20.0 1 05/23/24 ND 20.0 1 05/23/24 ND 70-130 05/23/24 <td< td=""><td>Reporting Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 05/23/24 05/26/24 ND 0.05000 1 05/23/24 05/26/24 ND 0.0250 1 05/23/24 05/26/24 ND 0.0250 1 05/23/24 05/26/24 ND 70-130 05/23/24 05/26/24 91.1 % 70-130 05/23/24 05/26/24 mg/kg mg/kg Analyst: IY ND 20.0 1 05/23/24 05/26/24 91.1 % 70-130 05/23/24 05/26/24 91.1 % 70-130 05/23/24 05/26/24 mg/kg mg/kg Analyst: NV 503 <td< td=""></td<></td></td<>	Reporting Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 05/23/24 05/26/24 ND 0.05000 1 05/23/24 05/26/24 ND 0.0250 1 05/23/24 05/26/24 ND 0.0250 1 05/23/24 05/26/24 ND 70-130 05/23/24 05/26/24 91.1 % 70-130 05/23/24 05/26/24 mg/kg mg/kg Analyst: IY ND 20.0 1 05/23/24 05/26/24 91.1 % 70-130 05/23/24 05/26/24 91.1 % 70-130 05/23/24 05/26/24 mg/kg mg/kg Analyst: NV 503 <td< td=""></td<>



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/29/2024 1:58:39PM

BH04 4' E405265-08

Austra	Dl4	Reporting	Dit d	D 1	A a laser a 1	N.A
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2421112
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		109 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		107 %	70-130	05/23/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2421112
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		109 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		107 %	70-130	05/23/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: NV		Batch: 2421101
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		104 %	50-200	05/23/24	05/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: IY		Batch: 2421106
Chloride	5440	200	10	05/23/24	05/23/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/29/2024 1:58:39PM

BH05 0.5' E405265-09

		E405205-09					
Austra	Result	Reporting Limit	Dilu		Prepared	A a la a d	Notes
Analyte	Result	Limit	Dilu	ltion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2421112
Benzene	ND	0.0250	1	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		109 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		88.5 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8		106 %	70-130		05/23/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2421112
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		109 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		88.5 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8		106 %	70-130		05/23/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2421101
Diesel Range Organics (C10-C28)	ND	25.0	1	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	05/23/24	05/26/24	
Surrogate: n-Nonane	·	96.7 %	50-200		05/23/24	05/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2421106
Chloride	1270	200	10	0	05/23/24	05/23/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/29/2024 1:58:39PM

BH05 4' E405265-10

	E403203-10				
Popult	Reporting	Dilas	ion Browner	A Analyzad	Notes
Result	Limit	Dilut	ion Prepared	i Anaiyzed	Notes
mg/kg	mg/kg	Α	Analyst: IY		Batch: 2421112
ND	0.0250	1	05/23/24	05/26/24	
ND	0.0250	1	05/23/24	05/26/24	
ND	0.0250	1	05/23/24	05/26/24	
ND	0.0250	1	05/23/24	05/26/24	
ND	0.0500	1	05/23/24	05/26/24	
ND	0.0250	1	05/23/24	05/26/24	
	108 %	70-130	05/23/24	05/26/24	
	88.2 %	70-130	05/23/24	05/26/24	
	105 %	70-130	05/23/24	05/26/24	
mg/kg	mg/kg	Α	Analyst: IY		Batch: 2421112
ND	20.0	1	05/23/24	05/26/24	
	108 %	70-130	05/23/24	05/26/24	
	88.2 %	70-130	05/23/24	05/26/24	
	105 %	70-130	05/23/24	05/26/24	
mg/kg	mg/kg	Α	Analyst: NV		Batch: 2421101
ND	25.0	1	05/23/24	1 05/26/24	
ND	50.0	1	05/23/24	05/26/24	
	102 %	50-200	05/23/24	05/26/24	
mg/kg	mg/kg	A	Analyst: IY		Batch: 2421106
3980			05/23/24	1 05/23/24	
	ND N	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 I08 % 88.2 % 105 % mg/kg ND 20.0 108 % 88.2 % 105 % mg/kg mg/kg mg/kg ND 25.0 ND 50.0 102 %	Reporting Result Limit Dilut mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 108 % 70-130 88.2 % 70-130 mg/kg mg/kg A ND 20.0 1 108 % 70-130 A 88.2 % 70-130 A 88.2 % 70-130 A 105 % 70-130 A mg/kg mg/kg A ND 25.0 1 ND 50.0 1 102 % 50-200 mg/kg mg/kg A	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 05/23/24 ND 0.0250 1 05/23/24 ND 0.0250 1 05/23/24 ND 0.0500 1 05/23/24 ND 0.0250 1 05/23/24 ND 0.0250 1 05/23/24 88.2 % 70-130 05/23/24 88.2 % 70-130 05/23/24 105 % 70-130 05/23/24 88.2 % 70-130 05/23/24 105 % 70-130 05/23/24 88.2 % 70-130 05/23/24 105 % 70-130 05/23/24 105 % 70-130 05/23/24 105 % 70-130 05/23/24 105 % 70-130 05/23/24 ND 25.0 1 05/23/24 ND 50.0 1 05/23/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 05/23/24 05/26/24 ND 0.0500 1 05/23/24 05/26/24 ND 0.0250 1 05/23/24 05/26/24 ND 0.0250 1 05/23/24 05/26/24 ND 0.0250 1 05/23/24 05/26/24 88.2 % 70-130 05/23/24 05/26/24 88.2 % 70-130 05/23/24 05/26/24 mg/kg mg/kg Analyst: IY ND 25.0 1 05/23/24 05/26/24 ND 50.0 1 05/23/24 05/26/24 ND 50.0 1



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/29/2024 1:58:39PM

BH06 0.5' E405265-11

Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
			DII	Analyst	•	7 mary zea	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Anaiyst		0.7/0.5/0.4	Batch: 2421112
Benzene	ND	0.0250		1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250		1	05/23/24	05/26/24	
Toluene	ND	0.0250		1	05/23/24	05/26/24	
o-Xylene	ND	0.0250		1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500		1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250		1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		107 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		89.3 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8		105 %	70-130		05/23/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2421112
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		107 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		89.3 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8		105 %	70-130		05/23/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2421101
Diesel Range Organics (C10-C28)	ND	25.0		1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0		1	05/23/24	05/26/24	
Surrogate: n-Nonane		112 %	50-200		05/23/24	05/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: IY		Batch: 2421106
Chloride	158	100		5	05/23/24	05/23/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/29/2024 1:58:39PM

BH06 4' E405265-12

		E403203-12					
Analyte	Result	Reporting Limit	Dilu	ition	Prepared	Analyzed	Notes
Analyte	Kesuit	Lillit	Dilu	IIIOII	ricparcu	Allalyzed	INUIES
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2421112
Benzene	ND	0.0250	1	l	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	l	05/23/24	05/26/24	
Toluene	ND	0.0250	1	l	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	[05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	l	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	l	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		110 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		90.9 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8		106 %	70-130		05/23/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2421112
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		110 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		90.9 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8		106 %	70-130		05/23/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2421101
Diesel Range Organics (C10-C28)	ND	25.0	1	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	05/23/24	05/26/24	
Surrogate: n-Nonane		106 %	50-200		05/23/24	05/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2421106
Chloride	ND	20.0	1	[05/23/24	05/23/24	



QC Summary Data

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 5/29/2024 1:58:39PM

Carlsbad NM, 88220		Project Manage	r: Gi	ilbert Moreno				5/2	29/2024 1:58:39PN
	V	olatile Organ	ic Compo	unds by EF	A 8260	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2421112-BLK1)							Prepared: 0:	5/23/24 Ana	lyzed: 05/26/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.3	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
LCS (2421112-BS1)							Prepared: 0:	5/23/24 Ana	lyzed: 05/26/24
Benzene	2.26	0.0250	2.50		90.4	70-130			
Ethylbenzene	2.50	0.0250	2.50		99.9	70-130			
Toluene	2.51	0.0250	2.50		100	70-130			
o-Xylene	2.60	0.0250	2.50		104	70-130			
p,m-Xylene	5.18	0.0500	5.00		104	70-130			
Total Xylenes	7.78	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.559		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			
LCS Dup (2421112-BSD1)							Prepared: 0:	5/23/24 Ana	lyzed: 05/26/24
Benzene	2.28	0.0250	2.50		91.1	70-130	0.705	23	
Ethylbenzene	2.47	0.0250	2.50		98.7	70-130	1.21	27	
Toluene	2.44	0.0250	2.50		97.6	70-130	2.71	24	
o-Xylene	2.62	0.0250	2.50		105	70-130	0.689	27	
p,m-Xylene	5.18	0.0500	5.00		104	70-130	0.106	27	
Total Xylenes	7.80	0.0250	7.50		104	70-130	0.302	27	
Surrogate: Bromofluorobenzene	0.563		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		92.9	70-130			
~									

0.500

105

70-130



Surrogate: Toluene-d8

0.523

Analyte

QC Summary Data

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 5/29/2024 1:58:39PM

Non	halogenated (Analyst: IY						
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2421112-BLK1)							Prepared: 05	5/23/24 Ana	lyzed: 05/26/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.3	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
LCS (2421112-BS2)							Prepared: 05	5/23/24 Ana	lyzed: 05/26/24
Gasoline Range Organics (C6-C10)	53.0	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	0.556		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			
LCS Dup (2421112-BSD2)							Prepared: 05	5/23/24 Ana	lyzed: 05/26/24
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130	2.09	20	
Surrogate: Bromofluorobenzene	0.560		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.447		0.500		89.3	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	_
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/29/2024 1:58:39PM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno				5	/29/2024 1:58:39PM
	Nonha	ogenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2421101-BLK1)							Prepared: 0	5/23/24 Ana	alyzed: 05/26/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.4		50.0		113	50-200			
LCS (2421101-BS1)							Prepared: 0	5/23/24 Ana	alyzed: 05/26/24
Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132			
Surrogate: n-Nonane	57.6		50.0		115	50-200			
LCS Dup (2421101-BSD1)							Prepared: 0	5/23/24 Ana	alyzed: 05/26/24
Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132	0.657	20	
Surrogate: n-Nonane	57.5		50.0		115	50-200			

LCS Dup (2421106-BSD1)

Chloride

251

Prepared: 05/23/24 Analyzed: 05/23/24

20

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager	0	ast Pecos 22-3 1058-0007 filbert Moreno		Water Gatl	nering Line		Reported: 5/29/2024 1:58:39PM
		Anions	by EPA	300.0/9056	A				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2421106-BLK1)							Prepared: 0	5/23/24 A	nalyzed: 05/23/24
Chloride	ND	20.0							
LCS (2421106-BS1)							Prepared: 0	5/23/24 A	nalyzed: 05/23/24
Chloride	249	20.0	250		99.5	90-110			

250

20.0

101

90-110

1.00

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:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/29/24 13:58

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Client: WPX Energy Permian, LLC.

roject Manager: Gilbert Moreno

ddress: 13000 W County Rd 100

roject: East Pecos 22-3 Produced Water Gathering Line

Lab Use Only

Job Number

Lab WO# E 405 265

TAT

Standard

5 day TAT

3D

1D 2D

Bill To

Attention: Jim Raley

Address: 5315 Buena Vista Dr.

City, State, Zip; Carlsbad, NM, 88220

EPA Program

SDWA

CWA

Address: 13000 W County Rd 100					City, State, Zip: Carlsbad, NM, 88220						P	analys	is an	d Met	thod			7					RCRA
City, Sta	ity, State, Zip_Odessa,TX, 79765 hone: 832-541-7719				Ph	one: 575-885-7502											T						
hone: 8	32-541-7	719			En	ail: jim.raley@dvn.com			3015												Stat	e	
mail: D	evon-tear	n@etech	env.com		W	D: 21255735			by 8										NN	co	UT	AZ	TX
Collecte	d by: Edyt	e Konan				ident ID: nAB1614039576 and 31616628496		7	TPH GRO/DRO/ORO by 8015	8021	8260	010	300.0		Anion	Z		X	×				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	TPH GRO	BTEX by 802	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	верос		GDOC			Rema	rks	
9:00	05.16.24	S	1			BH01	1	0.5'								х							
9:10	05.16.24	S	1			BH01	2	4'								х							
9:20	05.16.24	S	1			BH02	3	0.5'								х							
9:30	05.16.24	S	1			BH02	4	4'								х							
9:40	05.16.24	S	1			ВН03	5	0.5'								х							
9:50	05.16.24	S	1			BH03	6	41								x							
10:00	05.16.24	S	1			BH04	7	0.5'								х							
10:10	05.16.24	S	1			ВН04	8	4'								х							
10:20	05.16.24	S	1			BH05	9	0.5'								х							
10:30	05.16.24	S	1			ВН05	10	4'								х							
Addition	nal Instru	ctions:																					
2.0						e that tampering with or intentionally mi . Sampled by: EK	islabelling the samp	le locati	on,									t be receiv 0 but less			A CONTRACTOR OF THE PARTY OF TH		ed or
date or time of collection is considered fraud and may be grounds for legal action. Relinguished by 18 mature Date S. D. 24 Tipe Received						Received by (Sanature)	Day 17	24	Time	23	0	Rece	ived	on ic	е.	Lab (Y)		Only					
Relinquished by: (S)gnature) Date 724 Time Receive by: (Signature)					Receive by: (Signature)	5/20/	24	Time 09	30		T1		311.10		T2			Т3					
Relinquished by: (Signature) Date Time Received by: (Signature)					Date		Time			AVG	Tem	p°C											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other					Container	Type:	g - gl:	ass. n							s. v - '	VOA							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Haz																	rt for t	ne ana	lysis of	the a	hove		
	Note: Samples are discarded 30 days after results are reported unless other arrangen														21,011	- capei		, сро		.c and	, 1313 01	and d	2016



envirotech

					_																		
Client: V	VPX Energ	y Permia	ın, LLC.			Bill To			V/10.25	La	b Us	e On	ly					TA	ΛT.		EPA	rogram	
				athering Lin	ie	Attention: Jim Raley		Lab \	NO#		_	Job				1D	2D	3D	Sta	ndard	CWA	SDWA	4
	Manager:					Address: 5315 Buena Vista Dr.		E4	05	26	5	011)58)-O	207				5 d	ay TAT			
	: 13000 W					City, State, Zip: Carlsbad, NM, 8	88220				- 1	Analy	sis ar	d Me	ethod							RCRA	1
	te, Zip_O		79765			Phone: 575-885-7502			2														
<u> </u>	332-541-7	2.00.000			-111	Email: jim.raley@dvn.com			801			1.70							-		State		
Email: D	evon-tear	n@etech	env.com			WO: 21255735			yd C										1	NM CO	UT A	Z TX	
						Incident ID: nAB1614039576 and nAB1616628496			TPH GRO/DRO/ORO by 8015	121	09	10	0.00		ion	Nα		¥					
-	d by: Edyt	e Konan				<u> </u>	1 1-1	Œ.	RO/	by 8(ıy 82	s 60	de 3		A/Ar				-	×			_
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample II)		Lab Number	Depth(ft.)	TPH G	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	верос		GDOC			Remark	S	
10:40	05.16.24	S	1			BH06	11	0.5'								х							
10:50	05.16.24	S	1			BH06	12	4'								X							
									Г														
					05/17/2024						-				_	-							
						117/2024			-								-						_
						0511																	_
7.1.		/																					0
Addition	nal Instruc	tions:										_						Ш					-
I, (field sam	pler), attest to	the validity	and authen	ticity of this s	ample. I	am aware that tampering with or intentionally r	mislabelling the samp	ole locat	ion,		-	Sampl	es requ	iring th	ermal p	reserv	ation m	ust be re	eceived	on ice the day	they are sa	mpled or	
date or time	of collection	is considere	ed fraud and	may be groun	ds for leg	gal action. Sampled by: EK						receive	ed pack	ed in id	e at an	avg te	mp abo	ve 0 but	less tha	n 6 °C on sub	equent day	5.	
Relinquished by: (Signature) Date Tim						Received by: (Sign) ture)	Dave 1	1.74	Time	5	38	Rec	eive	d on	ice:		ab U	se On	ly				
Relinquished by (Signature)					Lime -	Received by: (Signature)	5/20	24	Time 09	30)	T1				T2				T3			
Relinquished by: (Signature) Date Time					Time	Received by: (Signature)	Date		Time			AVG	i Ter	np °C	·	ł							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other							Container	Type:	g-g	lass, p	o - pc	-		_		er gla	iss, v	- VOA					
						nless other arrangements are made. Haza													for the ana	lysis of th	e 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.

e. The report for the analysis of the above

Page 23 of 24

Page 181 of 1081

Printed: 5/22/2024 2:04:13PM

Envirotech Analytical Laboratory

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:	05/20/24	09:30	Work Order ID:	E405265
Phone:	(539) 573-4018	Date Logged In:	05/20/24	09:33	Logged In By:	Angelina Pineda
Email:	devon-team@etechenv.com	Due Date:	05/24/24	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
	he number of samples per sampling site location ma	itch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier	• •	
	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	Ill samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		Yes		Comment	ts/Resolution
	Furn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		Yes			
			105			
Sample 6	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
	•					
	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
11. If yes	, were custody/security seals intact?		NA			
	ne sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes C			
	Container	<u> </u>	<u> </u>			
_	queous VOC samples present?		No			
	/OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	.9	Yes			
	appropriate volume/weight or number of sample conta		Yes			
		mers conected?	105			
Field La	field sample labels filled out with the minimum inf	'amatian				
	ample ID?	Offilation.	Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
Sample l	Preservation					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
22. Are s	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved in	netals?	No			
Multipha	ase Sample Matrix					
	the sample have more than one phase, i.e., multipla	ase?	No			
	, does the COC specify which phase(s) is to be anal		NA			
		•	1111			
	ract Laboratory	0	NT.			
	amples required to get sent to a subcontract laborate	•	No	0.1 4 47 1 314		
29. Was a	a subcontract laboratory specified by the client and	ii so wiio?	NA	Subcontract Lab: NA		
Client I	<u>nstruction</u>					

Date

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: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E405360

Job Number: 01058-0007

Received: 5/28/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/5/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 6/5/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E405360

Date Received: 5/28/2024 10:00:41AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/28/2024 10:00:41AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line 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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Michelle Golzales

Client Representative
Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	Reporteu:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/05/24 14:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 8'	E405360-01A	Soil	05/22/24	05/28/24	Glass Jar, 2 oz.
BH03 8'	E405360-02A	Soil	05/22/24	05/28/24	Glass Jar, 2 oz.
BH03 12'	E405360-03A	Soil	05/22/24	05/28/24	Glass Jar, 2 oz.
BH03 16'	E405360-04A	Soil	05/22/24	05/28/24	Glass Jar, 2 oz.
BH04 8'	E405360-05A	Soil	05/22/24	05/28/24	Glass Jar, 2 oz.
BH04 12'	E405360-06A	Soil	05/22/24	05/28/24	Glass Jar, 2 oz.
BH04 16'	E405360-07A	Soil	05/22/24	05/28/24	Glass Jar, 2 oz.
BH05 8'	E405360-08A	Soil	05/22/24	05/28/24	Glass Jar, 2 oz.
BH05 12'	E405360-09A	Soil	05/22/24	05/28/24	Glass Jar, 2 oz.
BH05 16'	E405360-10A	Soil	05/22/24	05/28/24	Glass Jar, 2 oz.
BH07 0.5'	E405360-11A	Soil	05/22/24	05/28/24	Glass Jar, 2 oz.
BH07 4'	E405360-12A	Soil	05/22/24	05/28/24	Glass Jar, 2 oz.
BH08 0.5'	E405360-13A	Soil	05/22/24	05/28/24	Glass Jar, 2 oz.
BH08 4'	E405360-14A	Soil	05/22/24	05/28/24	Glass Jar, 2 oz.

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 2:13:29PM

BH02 8' E405360-01

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2422095
Benzene	ND	0.0250	1	1	05/30/24	06/04/24	
Ethylbenzene	ND	0.0250	1	l	05/30/24	06/04/24	
Toluene	ND	0.0250	1	l	05/30/24	06/04/24	
o-Xylene	ND	0.0250	1	1	05/30/24	06/04/24	
p,m-Xylene	ND	0.0500	1	l	05/30/24	06/04/24	
Total Xylenes	ND	0.0250	1	l	05/30/24	06/04/24	
Surrogate: Bromofluorobenzene		112 %	70-130		05/30/24	06/04/24	
Surrogate: 1,2-Dichloroethane-d4		89.9 %	70-130		05/30/24	06/04/24	
Surrogate: Toluene-d8		106 %	70-130		05/30/24	06/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2422095
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	05/30/24	06/04/24	
Surrogate: Bromofluorobenzene		112 %	70-130		05/30/24	06/04/24	
Surrogate: 1,2-Dichloroethane-d4		89.9 %	70-130		05/30/24	06/04/24	
Surrogate: Toluene-d8		106 %	70-130		05/30/24	06/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2423006
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/03/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/03/24	06/04/24	
Surrogate: n-Nonane		102 %	50-200		06/03/24	06/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2423012
Allons by E1A 500.0/3030A	mg/Kg	mg/kg					



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 2:13:29PM

BH03 8'

		E405360-02					
Reporting							
Analyte	Result	Limit	Dilut	tion I	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2422095
Benzene	ND	0.0250	1	(05/30/24	06/04/24	
Ethylbenzene	ND	0.0250	1	(05/30/24	06/04/24	
Toluene	ND	0.0250	1	(05/30/24	06/04/24	
o-Xylene	ND	0.0250	1	(05/30/24	06/04/24	
p,m-Xylene	ND	0.0500	1	(05/30/24	06/04/24	
Total Xylenes	ND	0.0250	1	(05/30/24	06/04/24	
Surrogate: Bromofluorobenzene		110 %	70-130	(05/30/24	06/04/24	
Surrogate: 1,2-Dichloroethane-d4		90.3 %	70-130	(05/30/24	06/04/24	
Surrogate: Toluene-d8		106 %	70-130	(05/30/24	06/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2422095
Gasoline Range Organics (C6-C10)	ND	20.0	1	(05/30/24	06/04/24	
Surrogate: Bromofluorobenzene		110 %	70-130	(05/30/24	06/04/24	
Surrogate: 1,2-Dichloroethane-d4		90.3 %	70-130	(05/30/24	06/04/24	
Surrogate: Toluene-d8		106 %	70-130	(05/30/24	06/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM			Batch: 2423006
Diesel Range Organics (C10-C28)	ND	25.0	1	(06/03/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	(06/03/24	06/04/24	
Surrogate: n-Nonane		103 %	50-200	(06/03/24	06/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT			Batch: 2423012
Chloride	5910	200	10) (06/03/24	06/03/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 2:13:29PM

BH03 12' E405360-03

	12-103300-03				
Result	Limit	Diluti	ion Prepared	l Analyzed	Notes
mg/kg	mg/kg	A	Analyst: IY		Batch: 2422095
ND	0.0250	1	05/30/24	06/04/24	
ND	0.0250	1	05/30/24	06/04/24	
ND	0.0250	1	05/30/24	06/04/24	
ND	0.0250	1	05/30/24	06/04/24	
ND	0.0500	1	05/30/24	06/04/24	
ND	0.0250	1	05/30/24	06/04/24	
	107 %	70-130	05/30/24	06/04/24	
	89.9 %	70-130	05/30/24	06/04/24	
	105 %	70-130	05/30/24	06/04/24	
mg/kg	mg/kg	A	Analyst: IY		Batch: 2422095
ND	20.0	1	05/30/24	06/04/24	
	107 %	70-130	05/30/24	06/04/24	
	89.9 %	70-130	05/30/24	06/04/24	
	105 %	70-130	05/30/24	06/04/24	
mg/kg	mg/kg	A	Analyst: KM		Batch: 2423006
ND	25.0	1	06/03/24	06/04/24	
ND	50.0	1	06/03/24	06/04/24	
	85.0 %	50-200	06/03/24	06/04/24	
mg/kg	mg/kg	A	Analyst: DT		Batch: 2423012
· · · · · · · · · · · · · · · · · · ·	ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IO7 % 89.9 % 105 % mg/kg MD 20.0 107 % 89.9 % 105 % 105 % mg/kg mg/kg ND 25.0 ND 50.0 85.0 %	Reporting Result Limit Dilut mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 107 % 70-130 70-130 89.9 % 70-130 70-130 mg/kg mg/kg A ND 20.0 1 105 % 70-130 70-130 mg/kg mg/kg A ND 25.0 1 ND 50.0 1 85.0 % 50-200	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 05/30/24 ND 0.0250 1 05/30/24 ND 0.0250 1 05/30/24 ND 0.0500 1 05/30/24 ND 0.0250 1 05/30/24 ND 0.0250 1 05/30/24 89.9 % 70-130 05/30/24 89.9 % 70-130 05/30/24 105 % 70-130 05/30/24 ND 20.0 1 05/30/24 89.9 % 70-130 05/30/24 89.9 % 70-130 05/30/24 105 % 70-130 05/30/24 105 % 70-130 05/30/24 ND 25.0 1 06/03/24 ND 50.0 1 06/03/24 ND 50.0 1 06/03/24	Reporting Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 05/30/24 06/04/24 ND 0.0500 1 05/30/24 06/04/24 ND 0.0250 1 05/30/24 06/04/24 ND 0.0250 1 05/30/24 06/04/24 89.9 % 70-130 05/30/24 06/04/24 89.9 % 70-130 05/30/24 06/04/24 mg/kg mg/kg Analyst: IY ND 20.0 1 05/30/24 06/04/24 89.9 % 70-130 05/30/24 06/04/24 89.9 % 70-130 05/30/24 06/04/24 89.9 % 70-130 05/30/24 06/04/24



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 2:13:29PM

BH03 16' E405360-04

Dilution Analyst	Prepared	Analyzed	Notes
	•	Anaryzeu	Notes
Analyst	TX 7		
	: 1Y		Batch: 2422095
1	05/30/24	06/04/24	
1	05/30/24	06/04/24	
1	05/30/24	06/04/24	
1	05/30/24	06/04/24	
1	05/30/24	06/04/24	
1	05/30/24	06/04/24	
70-130	05/30/24	06/04/24	
70-130	05/30/24	06/04/24	
70-130	05/30/24	06/04/24	
Analyst	: IY		Batch: 2422095
1	05/30/24	06/04/24	
70-130	05/30/24	06/04/24	
70-130	05/30/24	06/04/24	
70-130	05/30/24	06/04/24	
Analyst	: KM		Batch: 2423006
1	06/03/24	06/04/24	
1	06/03/24	06/04/24	
50-200	06/03/24	06/04/24	
Analyst	: DT		Batch: 2423012
10	06/03/24	06/03/24	
	1 70-130 70-130 70-130 Analyst 1 1 50-200 Analyst	1 05/30/24 1 05/30/24 1 05/30/24 1 05/30/24 1 05/30/24 1 05/30/24 1 05/30/24 70-130 05/30/24 70-130 05/30/24 Analyst: IY 1 05/30/24 70-130 05/30/24 70-130 05/30/24 70-130 05/30/24 70-130 05/30/24 1 06/03/24 Analyst: KM 1 06/03/24 1 06/03/24 50-200 06/03/24 Analyst: DT	1 05/30/24 06/04/24 1 05/30/24 06/04/24 1 05/30/24 06/04/24 1 05/30/24 06/04/24 1 05/30/24 06/04/24 1 05/30/24 06/04/24 1 05/30/24 06/04/24 70-130 05/30/24 06/04/24 70-130 05/30/24 06/04/24 70-130 05/30/24 06/04/24 70-130 05/30/24 06/04/24 70-130 05/30/24 06/04/24 70-130 05/30/24 06/04/24 70-130 05/30/24 06/04/24 70-130 05/30/24 06/04/24 70-130 05/30/24 06/04/24 70-130 05/30/24 06/04/24 70-130 05/30/24 06/04/24 70-130 05/30/24 06/04/24 70-130 05/30/24 06/04/24 70-130 05/30/24 06/04/24 Analyst: KM



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 2:13:29PM

BH04 8'

E405360-05								
Reporting								
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2422095		
Benzene	ND	0.0250	1	05/30/24	06/04/24			
Ethylbenzene	ND	0.0250	1	05/30/24	06/04/24			
Toluene	ND	0.0250	1	05/30/24	06/04/24			
o-Xylene	ND	0.0250	1	05/30/24	06/04/24			
p,m-Xylene	ND	0.0500	1	05/30/24	06/04/24			
Total Xylenes	ND	0.0250	1	05/30/24	06/04/24			
Surrogate: Bromofluorobenzene		109 %	70-130	05/30/24	06/04/24			
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130	05/30/24	06/04/24			
Surrogate: Toluene-d8		105 %	70-130	05/30/24	06/04/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2422095		
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/30/24	06/04/24			
Surrogate: Bromofluorobenzene		109 %	70-130	05/30/24	06/04/24			
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130	05/30/24	06/04/24			
Surrogate: Toluene-d8		105 %	70-130	05/30/24	06/04/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2423006		
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/24	06/04/24			
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/24	06/04/24			
Surrogate: n-Nonane		109 %	50-200	06/03/24	06/04/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2423012		
Chloride	9450	400	20	06/03/24	06/03/24			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 2:13:29PM

BH04 12' E405360-06

		E403300-00					
Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Allaryte	Result	Lillit	Dilu	tion	rrepared	Anaryzeu	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: I	Y		Batch: 2422095
Benzene	ND	0.0250	1		05/30/24	06/04/24	
Ethylbenzene	ND	0.0250	1		05/30/24	06/04/24	
Toluene	ND	0.0250	1		05/30/24	06/04/24	
o-Xylene	ND	0.0250	1		05/30/24	06/04/24	
p,m-Xylene	ND	0.0500	1		05/30/24	06/04/24	
Total Xylenes	ND	0.0250	1		05/30/24	06/04/24	
Surrogate: Bromofluorobenzene		108 %	70-130		05/30/24	06/04/24	
Surrogate: 1,2-Dichloroethane-d4		86.6 %	70-130		05/30/24	06/04/24	
Surrogate: Toluene-d8		106 %	70-130		05/30/24	06/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: I	Y		Batch: 2422095
Gasoline Range Organics (C6-C10)	ND	20.0	1		05/30/24	06/04/24	
Surrogate: Bromofluorobenzene		108 %	70-130		05/30/24	06/04/24	
Surrogate: 1,2-Dichloroethane-d4		86.6 %	70-130		05/30/24	06/04/24	
Surrogate: Toluene-d8		106 %	70-130		05/30/24	06/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: I	KM		Batch: 2423006
Diesel Range Organics (C10-C28)	ND	25.0	1		06/03/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1		06/03/24	06/04/24	
Surrogate: n-Nonane		106 %	50-200		06/03/24	06/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	OT		Batch: 2423012
Chloride	5350	200	10	0	06/03/24	06/03/24	
Chloride						06/03/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 2:13:29PM

BH04 16' E405360-07

		E403300-07					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2422095
Benzene	ND	0.0250	1	1	05/30/24	06/04/24	
Ethylbenzene	ND	0.0250	1	1	05/30/24	06/04/24	
Toluene	ND	0.0250	1	1	05/30/24	06/04/24	
o-Xylene	ND	0.0250	1	1	05/30/24	06/04/24	
p,m-Xylene	ND	0.0500	1	l	05/30/24	06/04/24	
Total Xylenes	ND	0.0250	1	1	05/30/24	06/04/24	
Surrogate: Bromofluorobenzene		111 %	70-130		05/30/24	06/04/24	
Surrogate: 1,2-Dichloroethane-d4		90.4 %	70-130		05/30/24	06/04/24	
Surrogate: Toluene-d8		104 %	70-130		05/30/24	06/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2422095
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	05/30/24	06/04/24	
Surrogate: Bromofluorobenzene		111 %	70-130		05/30/24	06/04/24	
Surrogate: 1,2-Dichloroethane-d4		90.4 %	70-130		05/30/24	06/04/24	
Surrogate: Toluene-d8		104 %	70-130		05/30/24	06/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2423006
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/03/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/03/24	06/04/24	
Surrogate: n-Nonane		110 %	50-200		06/03/24	06/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	,	Analyst:	DT		Batch: 2423012
Chloride	1670	100	-	5	06/03/24	06/03/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 2:13:29PM

BH05 8'

E40	20	/ \(\)	ΛΩ
H.41	ורו	nu	_112

		Reporting					
Analyte	Result	Limit	Dilut	tion F	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2422095
Benzene	ND	0.0250	1	C	05/30/24	06/04/24	
Ethylbenzene	ND	0.0250	1	C	05/30/24	06/04/24	
Toluene	ND	0.0250	1	C	05/30/24	06/04/24	
o-Xylene	ND	0.0250	1	C	05/30/24	06/04/24	
p,m-Xylene	ND	0.0500	1	C	05/30/24	06/04/24	
Total Xylenes	ND	0.0250	1	C	05/30/24	06/04/24	
Surrogate: Bromofluorobenzene		109 %	70-130	a	05/30/24	06/04/24	
Surrogate: 1,2-Dichloroethane-d4		89.1 %	70-130	6	05/30/24	06/04/24	
Surrogate: Toluene-d8		106 %	70-130	a	05/30/24	06/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	Analyst: IY			Batch: 2422095
Gasoline Range Organics (C6-C10)	ND	20.0	1	C	05/30/24	06/04/24	
Surrogate: Bromofluorobenzene		109 %	70-130	6	05/30/24	06/04/24	
Surrogate: 1,2-Dichloroethane-d4		89.1 %	70-130	0	05/30/24	06/04/24	
Surrogate: Toluene-d8		106 %	70-130	C	05/30/24	06/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM			Batch: 2423006
Diesel Range Organics (C10-C28)	ND	25.0	1	0	06/03/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	C	06/03/24	06/04/24	
Surrogate: n-Nonane		106 %	50-200	0	06/03/24	06/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT			Batch: 2423012
		200	10		06/03/24	06/03/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 2:13:29PM

BH05 12' E405360-09

		2.000000					
Analyte	Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst:		7 Hary Zea	Batch: 2422095
Volatile Organic Compounds by EPA 8260B		0.0250	1	1	05/30/24	06/04/24	Batch. 2422093
Benzene	ND		1	1	05/30/24	06/04/24	
Ethylbenzene	ND	0.0250		1	05/30/24	06/04/24	
Toluene	ND	0.0250		1		06/04/24	
o-Xylene	ND	0.0250		1	05/30/24		
p,m-Xylene	ND	0.0500]		05/30/24	06/04/24	
Total Xylenes	ND	0.0250]	1	05/30/24	06/04/24	
Surrogate: Bromofluorobenzene		110 %	70-130		05/30/24	06/04/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130		05/30/24	06/04/24	
Surrogate: Toluene-d8		107 %	70-130		05/30/24	06/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2422095
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	05/30/24	06/04/24	
Surrogate: Bromofluorobenzene		110 %	70-130		05/30/24	06/04/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130		05/30/24	06/04/24	
Surrogate: Toluene-d8		107 %	70-130		05/30/24	06/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2423006
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/03/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/03/24	06/04/24	
Surrogate: n-Nonane		106 %	50-200		06/03/24	06/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2423012
Chloride	1800	200	1	0	06/03/24	06/03/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 2:13:29PM

BH05 16' E405360-10

	Reporting					
Result	Limit	Dil	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	: IY		Batch: 2422095
ND	0.0250		1	05/30/24	06/04/24	
ND	0.0250		1	05/30/24	06/04/24	
ND	0.0250		1	05/30/24	06/04/24	
ND	0.0250		1	05/30/24	06/04/24	
ND	0.0500		1	05/30/24	06/04/24	
ND	0.0250		1	05/30/24	06/04/24	
	109 %	70-130		05/30/24	06/04/24	
	87.3 %	70-130		05/30/24	06/04/24	
	105 %	70-130		05/30/24	06/04/24	
mg/kg	mg/kg		Analyst:	: IY		Batch: 2422095
ND	20.0		1	05/30/24	06/04/24	
	109 %	70-130		05/30/24	06/04/24	
	87.3 %	70-130		05/30/24	06/04/24	
	105 %	70-130		05/30/24	06/04/24	
mg/kg	mg/kg		Analyst:	: KM		Batch: 2423006
ND	25.0		1	06/03/24	06/04/24	
ND	50.0		1	06/03/24	06/04/24	
	105 %	50-200		06/03/24	06/04/24	
mg/kg	mg/kg		Analyst	: DT		Batch: 2423012
2640	100	•	5	06/03/24	06/03/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IOP % 87.3 % 105 % mg/kg MD 20.0 109 % 87.3 % 105 % mg/kg MD 25.0 ND 50.0 105 % mg/kg mg/kg mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 109 % 70-130 87.3 % 70-130 105 % 70-130 87.3 % 70-130 87.3 % 70-130 87.3 % 70-130 105 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 ND 70-130 1 87.3 % 70-130 70-130 mg/kg mg/kg Analyst ND 20.0 1 109 % 70-130 70-130 mg/kg mg/kg Analyst ND 25.0 1 ND 50.0 1 105 % 50-200 mg/kg mg/kg Analyst	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 05/30/24 ND 0.0250 1 05/30/24 ND 0.0250 1 05/30/24 ND 0.0250 1 05/30/24 ND 0.0500 1 05/30/24 ND 0.0250 1 05/30/24 ND 70-130 05/30/24 87.3 % 70-130 05/30/24 105 % 70-130 05/30/24 MD 20.0 1 05/30/24 87.3 % 70-130 05/30/24 87.3 % 70-130 05/30/24 87.3 % 70-130 05/30/24 87.3 % 70-130 05/30/24 87.3 % 70-130 05/30/24 87.3 % 70-130 05/30/24 87.3 % 70-130 05/30/24 87.3 % 70-130 05/30/24 87.3 % 70-130	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 05/30/24 06/04/24 ND 0.0500 1 05/30/24 06/04/24 ND 0.0250 1 05/30/24 06/04/24 ND 0.0250 1 05/30/24 06/04/24 87.3 % 70-130 05/30/24 06/04/24 87.3 % 70-130 05/30/24 06/04/24 mg/kg mg/kg Analyst: IY ND 20.0 1 05/30/24 06/04/24 87.3 % 70-130 05/30/24 06/04/24 87.3 % 70-130 05/30/24 06/04/24 87.3 % 70-130 05/30/24 06/04/24 87.3 % 70



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 2:13:29PM

BH07 0.5' E405360-11

Analyte	Result	Reporting Limit	Dil	lution	Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst		1 mary zea	Batch: 2422095
Volatile Organic Compounds by EPA 8260B	ND	0.0250		1	05/30/24	06/04/24	Batch: 2422073
Benzene	ND ND	0.0250		1	05/30/24	06/04/24	
Ethylbenzene Toluene	ND	0.0250		1	05/30/24	06/04/24	
o-Xylene	ND	0.0250		1	05/30/24	06/04/24	
p,m-Xylene	ND	0.0500		1	05/30/24	06/04/24	
Total Xylenes	ND	0.0250		1	05/30/24	06/04/24	
Surrogate: Bromofluorobenzene		110 %	70-130		05/30/24	06/04/24	
Surrogate: 1,2-Dichloroethane-d4		88.5 %	70-130		05/30/24	06/04/24	
Surrogate: Toluene-d8		105 %	70-130		05/30/24	06/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2422095
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/30/24	06/04/24	
Surrogate: Bromofluorobenzene		110 %	70-130		05/30/24	06/04/24	
Surrogate: 1,2-Dichloroethane-d4		88.5 %	70-130		05/30/24	06/04/24	
Surrogate: Toluene-d8		105 %	70-130		05/30/24	06/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2423006
Diesel Range Organics (C10-C28)	ND	25.0		1	06/03/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0		1	06/03/24	06/04/24	
Surrogate: n-Nonane		106 %	50-200		06/03/24	06/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2423012
Chloride	4270	100		5	06/03/24	06/03/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 2:13:29PM

BH07 4' E405360-12

		E403300-12				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2422095
Benzene	ND	0.0250	1	05/30/24	06/04/24	
Ethylbenzene	ND	0.0250	1	05/30/24	06/04/24	
Toluene	ND	0.0250	1	05/30/24	06/04/24	
o-Xylene	ND	0.0250	1	05/30/24	06/04/24	
p,m-Xylene	ND	0.0500	1	05/30/24	06/04/24	
Total Xylenes	ND	0.0250	1	05/30/24	06/04/24	
Surrogate: Bromofluorobenzene		109 %	70-130	05/30/24	06/04/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	05/30/24	06/04/24	
Surrogate: Toluene-d8		106 %	70-130	05/30/24	06/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2422095
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/30/24	06/04/24	
Surrogate: Bromofluorobenzene		109 %	70-130	05/30/24	06/04/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	05/30/24	06/04/24	
Surrogate: Toluene-d8		106 %	70-130	05/30/24	06/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2423006
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/24	06/04/24	
Surrogate: n-Nonane		107 %	50-200	06/03/24	06/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	Analyst: DT		Batch: 2423012
Chloride	2710	20.0	1	06/03/24	06/03/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 2:13:29PM

BH08 0.5' E405360-13

	12-103300-13				
D14	Reporting	Diletie		A l d	Notes
Kesuit	Limit	Dilution	n rrepared	Analyzed	inotes
mg/kg	mg/kg	An	alyst: IY		Batch: 2422095
ND	0.0250	1	05/30/24	06/04/24	
ND	0.0250	1	05/30/24	06/04/24	
ND	0.0250	1	05/30/24	06/04/24	
ND	0.0250	1	05/30/24	06/04/24	
ND	0.0500	1	05/30/24	06/04/24	
ND	0.0250	1	05/30/24	06/04/24	
	108 %	70-130	05/30/24	06/04/24	
	89.9 %	70-130	05/30/24	06/04/24	
	106 %	70-130	05/30/24	06/04/24	
mg/kg	mg/kg	An	alyst: IY		Batch: 2422095
ND	20.0	1	05/30/24	06/04/24	
	108 %	70-130	05/30/24	06/04/24	
	89.9 %	70-130	05/30/24	06/04/24	
	106 %	70-130	05/30/24	06/04/24	
mg/kg	mg/kg	An	alyst: KM		Batch: 2423006
ND	25.0	1	06/03/24	06/05/24	
ND	50.0	1	06/03/24	06/05/24	
	106 %	50-200	06/03/24	06/05/24	
			1 . DT		D 1 0400010
mg/kg	mg/kg	An	alyst: DT		Batch: 2423012
	ND N	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IOB % 89.9 % 106 % 106 % MD 20.0 IOB % 89.9 % 106 % 106 % MD 25.0 ND 50.0 106 % 106 %	Reporting Result Limit Dilution mg/kg mg/kg An ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 ND 70-130 89.9 % 70-130 mg/kg mg/kg An ND 20.0 1 106 % 70-130 70-130 mg/kg mg/kg An ND 25.0 1 ND 50.0 1 106 % 50-200	Reporting Result Limit Dilution Prepared mg/kg Analyst: IY ND 0.0250 1 05/30/24 ND 0.0250 1 05/30/24 ND 0.0250 1 05/30/24 ND 0.0250 1 05/30/24 ND 0.0500 1 05/30/24 ND 0.0250 1 05/30/24 ND 0.0250 1 05/30/24 89.9 % 70-130 05/30/24 89.9 % 70-130 05/30/24 106 % 70-130 05/30/24 89.9 % 70-130 05/30/24 89.9 % 70-130 05/30/24 106 % 70-130 05/30/24 mg/kg mg/kg Analyst: KM ND 25.0 1 06/03/24 ND 50.0 1 06/03/24 ND 50.0 1 06/03/24	Reporting Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 05/30/24 06/04/24 ND 0.0500 1 05/30/24 06/04/24 ND 0.0250 1 05/30/24 06/04/24 ND 0.0250 1 05/30/24 06/04/24 89.9 % 70-130 05/30/24 06/04/24 89.9 % 70-130 05/30/24 06/04/24 mg/kg mg/kg Analyst: IY ND 20.0 1 05/30/24 06/04/24 89.9 % 70-130 05/30/24 06/04/24 89.9 % 70-130 05/30/24 06/04/24 89.9 % 70-130 05/30/24 06/04/24



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 2:13:29PM

BH08 4'

		E405360-14					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2422095
Benzene	ND	0.0250		1	05/30/24	06/04/24	
Ethylbenzene	ND	0.0250		1	05/30/24	06/04/24	
Toluene	ND	0.0250		1	05/30/24	06/04/24	
o-Xylene	ND	0.0250		1	05/30/24	06/04/24	
p,m-Xylene	ND	0.0500		1	05/30/24	06/04/24	
Total Xylenes	ND	0.0250		1	05/30/24	06/04/24	
Surrogate: Bromofluorobenzene		108 %	70-130		05/30/24	06/04/24	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130		05/30/24	06/04/24	
Surrogate: Toluene-d8		106 %	70-130		05/30/24	06/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2422095
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/30/24	06/04/24	
Surrogate: Bromofluorobenzene		108 %	70-130		05/30/24	06/04/24	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130		05/30/24	06/04/24	
Surrogate: Toluene-d8		106 %	70-130		05/30/24	06/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2423006
Diesel Range Organics (C10-C28)	ND	25.0		1	06/03/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0		1	06/03/24	06/05/24	
Surrogate: n-Nonane		109 %	50-200		06/03/24	06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2423012
Chloride	1730	20.0		1	06/03/24	06/03/24	



QC Summary Data

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 6/5/2024 2:13:29PM

Carlsbad NM, 88220		Project Manage	r: Gi	ilbert Moreno				6	/5/2024 2:13:29PM
	Vo	olatile Organ	ic Compo	unds by EI	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2422095-BLK1)							Prepared: 0:	5/30/24 Ana	lyzed: 06/04/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.553		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.451		0.500		90.1	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			
LCS (2422095-BS1)							Prepared: 0:	5/30/24 Ana	lyzed: 06/04/24
Benzene	2.32	0.0250	2.50		92.8	70-130			
Ethylbenzene	2.50	0.0250	2.50		100	70-130			
Toluene	2.50	0.0250	2.50		100	70-130			
o-Xylene	2.62	0.0250	2.50		105	70-130			
p,m-Xylene	5.23	0.0500	5.00		105	70-130			
Total Xylenes	7.85	0.0250	7.50		105	70-130			
Surrogate: Bromofluorobenzene	0.553		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.456		0.500		91.2	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			
LCS Dup (2422095-BSD1)							Prepared: 0:	5/30/24 Ana	lyzed: 06/04/24
Benzene	2.25	0.0250	2.50		89.9	70-130	3.20	23	
Ethylbenzene	2.47	0.0250	2.50		98.6	70-130	1.39	27	
Toluene	2.46	0.0250	2.50		98.4	70-130	1.67	24	
o-Xylene	2.57	0.0250	2.50		103	70-130	1.99	27	
p,m-Xylene	5.15	0.0500	5.00		103	70-130	1.49	27	
Total Xylenes	7.72	0.0250	7.50		103	70-130	1.66	27	
Surrogate: Bromofluorobenzene	0.563		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.6	70-130			
×									

0.500

0.533

70-130

107



Surrogate: Toluene-d8

QC Summary Data

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 6/5/2024 2:13:29PM

Nonhalogenated	Organics by	· EPA 8015D	- GRO

Analyst: IY

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

Blank (2422095-BLK1)						Prepared: 0:	5/30/24 <i>A</i>	analyzed: 06/04/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.553		0.500	111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.451		0.500	90.1	70-130			
Surrogate: Toluene-d8	0.533		0.500	107	70-130			
LCS (2422095-BS2)						Prepared: 0	5/30/24 A	analyzed: 06/04/24
Gasoline Range Organics (C6-C10)	56.9	20.0	50.0	114	70-130			
Surrogate: Bromofluorobenzene	0.563		0.500	113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.453		0.500	90.5	70-130			
Surrogate: Toluene-d8	0.530		0.500	106	70-130			
LCS Dup (2422095-BSD2)						Prepared: 0	5/30/24 A	analyzed: 06/04/24
Gasoline Range Organics (C6-C10)	57.7	20.0	50.0	115	70-130	1.37	20	
Surrogate: Bromofluorobenzene	0.553		0.500	111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.443		0.500	88.5	70-130			
Surrogate: Toluene-d8	0.533		0.500	107	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 2:13:29PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				6	/5/2024 2:13:29PM
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2423006-BLK1)							Prepared: 0	6/03/24 Ana	lyzed: 06/04/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.4		50.0		113	50-200			
LCS (2423006-BS1)							Prepared: 0	6/03/24 Ana	lyzed: 06/04/24
Diesel Range Organics (C10-C28)	294	25.0	250		117	38-132			
Surrogate: n-Nonane	55.6		50.0		111	50-200			
LCS Dup (2423006-BSD1)							Prepared: 0	6/03/24 Ana	lyzed: 06/04/24
Diesel Range Organics (C10-C28)	298	25.0	250		119	38-132	1.41	20	
Surrogate: n-Nonane	57.4		50.0		115	50-200			



Chloride

Chloride

LCS Dup (2423012-BSD1)

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager	: 0	East Pecos 22-3 1058-0007 Gilbert Moreno		Water Gath	nering Line		Reported: 6/5/2024 2:13:29PM
		Anions	by EPA	300.0/9056	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2423012-BLK1)							Prepared: 0	6/03/24 A	Analyzed: 06/03/24
Chloride	ND	20.0							
LCS (2423012-BS1)							Prepared: 0	6/03/24 A	Analyzed: 06/03/24

250

250

249

249

20.0

20.0

99.5

99.5

90-110

90-110

0.0563

Prepared: 06/03/24 Analyzed: 06/03/24

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:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/05/24 14:13

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Phone: 832-541-7719

Collected by: Edyte Konan

Date

Sampled

05.22.24

05.22.24

05.22.24

05.22.24

05.22.24

05.22.24

05.22.24

05.22.24

05.22.24

05.22.24

Additional Instructions:

Sampled

10:00

10:10

10:20

10:30

10:40

10:50

11:00

11:10

11:20

11:30

Client: WPX Energy Permian, LLC.

Project Manager: Gilbert Moreno

Address: 13000 W County Rd 100

City, State, Zip_Odessa,TX, 79765

mail: Devon-team@etechenv.com

roject: East Pecos 22-3 Produced Water Gathering Line

Matrix

S

S

S

S

S

S

S

S

S

No. of

1

1

1

1

1

1

1

1

1

1

Sample ID

Lab Use Only

Lab WO# Job Number 01056-0007

TPH GRO/DRO/ORO by 8015

Depth(ft.)

8'

81

12'

16'

8'

12'

16'

81

12'

16'

Lab

Number

3

10

9

BTEX by 8021 VOC by 8260

Analysis and Method

Chloride 300.0

TAT

Standard

5 day TAT

3D

×

GDOC

1D 2D

Σ

BGDOC

X

X

X

X

X

X

X

X

X

X

Cation/ Anion

TDS

Bill To

Attention: Jim Raley

Phone: 575-885-7502

WO: 21255735

nAB1616628496

BH02

BH03

BH03

BH03

BH04

BH04

BH04

BH05

BH05

BH05

Email: jim.raley@dvn.com

Incident ID: nAB1614039576 and

Address: 5315 Buena Vista Dr.

City, State, Zip: Carlsbad, NM, 88220

EPA Program

SDWA

RCRA

CWA

State

Remarks

NM CO UT AZ TX

Received by
OCD:
9/8/2025
10:49:32
2AM

27
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22
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, additional motivations									
I, (field sampler), attest to the validity and a date or time of collection is considered frau	and the state of t	entra Marines — Santo, d'accountes	that tampering with or intentionally mislab Sampled by: EK	elling the sample locat	ion,			ed on ice the day they are sampled or than 6 °C on subsequent days.	r
The state of the s	Date 05/24/24	7:30	Received by: (Signature) Withele Gonzales	Date 5-24-24	Time 5730	Received on ice:	Lab Use Only		
Relinquished by: (Signature)	5-24-24	Time 620	Received by: (Signature)	5.24.24	TIPROO	T1	T2	T3	
Relinquished by: (Signature)	S.MM	2400	Received by: (Signature)	5 28 24	Time	AVG Temp °C	4_		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge	e, A - Aqueous, O - C	Other	Opol	Container Type:	g - glass, p - po	oly/plastic, ag - amb	er glass, v - VOA		
Note: Samples are discarded 30 days af samples is applicable only to those sam	The second secon			the same of the sa			nt expense. The repor	rt for the analysis of the abov	e



e. The report for the analysis of the above

Client: M	/PX Energ	v Permia	n IIC		Bill To				Lah	llse	e On	v					TA	Т		FPA P	ogram
				thering Line	Attention: Jim Raley		Lab \	NO#	Lub		Job		her		1D	20	3D		ndard	CWA	SDWA
	Manager:			thering time	Address: 5315 Buena Vista Dr.		E	VO#	360	0	SAK	-9	1	07		-	35		ay TAT		35 (1)
	13000 W				City, State, Zip: Carlsbad, NM,		1 00						d Me								RCRA
TOTAL PAYAR HOUSE OF ANY	te, Zip_O		The state of the s		Phone: 575-885-7502	00220			T	-	indiy	15 01	I I				П	\dashv			
	32-541-7		73703					115			a vit							1		State	
	evon-tear	100000	eny com		Email: jim.raley@dvn.com			ny 80										+	NM CO	UT AZ	ТХ
Lillali. D	evon-tear	i weteri	env.com		WO: 21255735 Incident ID: nAB1614039576 and	4		30 F										-	TVIVI CO	OT AL	
					nAB1616628496	u	(A)	0/0			- 3	0		_	5						
Collecte	d by: Edyt	e Konan			IIAB1616028496		_	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	010	Chloride 300.0		Cation/ Anion	Z		ř				
Time	Date		No. of			Lab	h(ft.	GRO	by	by 8	ıls 6	ride		/ /uc	00		o l				
Sampled	Sampled	Matrix	Containers	Sample ID		Number	Depth(ft.)	IPH	3TE	700	Metals 6010	Chlo	TDS	Catic	BGDOC		GDOC			Remarks	
11:40	05.22.24	S	1		ВН07	11	0.5'								Х						
11:50	05.22.24	S	1		BH07	12	4'								~						
11.50	05.22.24	3	1		впо/	16	4								Х						
12:00	05.22.24	S	1		BH08	13	0.5'								X						
12:10	05.22.24	S	1		BH08	14	4'								х						
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							7/487			_											
							-	-													
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					05/24/24		The second														
					00		195														
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Addition	al Instruc	tions:																			
I. Ifield sam	oler), attest to	the validity	and authen	ticity of this sample	I am aware that tampering with or intentionally	mislabelling the same	ole locat	ion.		-	Sample	es requ	iring th	ermal p	reserva	ation m	ust be re	ceived	on ice the day	they are sam	pled or
W. Annes and Delegation				may be grounds for le							receive	ed pack	ed in ic	e at an	avg ter	mp abo	ve 0 but	less tha	an 6 °C on sub	sequent days.	
Relinquish	ed by: (Sign)	ture)	Date	Time	Received by: (Gignature)	Date		Time	20.				gap) ek		Li	ab U	se On	ly			
	for the			124124 7:		wes 5.24.	24	0	730		Rec	eive	d on i	ice:	(9	1/1	1				
Reinquish	d bw (Sign	fare)	Date	24-24 Time	Received by: (Signature)	Date		Time	00	1					·						
1100		1 0		27-29 16	20 Cl. U		·W	L	0	U	<u>T1</u>				T2			_	<u>T3</u>	1000 <u>2</u>	
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Col	M.		5.	WWO	400 04	500	24	1	u)_	_		np °C		1						
				Aqueous, O - Other _	7001	Container															
					unless other arrangements are made. Haz									e clier	nt exp	ense.	The r	eport	for the ana	lysis of the	above
samples is	applicable c	nly to thos	e samples i	received by the lab	oratory with this COC. The liability of the la	aboratory is limited	to the	amour	nt paid	tor o	n the	repor	τ.								



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: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E405359

Job Number: 01058-0007

Received: 5/28/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/5/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 6/5/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E405359

Date Received: 5/28/2024 10:00:41AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/28/2024 10:00:41AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Donoutoda
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/05/24 16:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 12'	E405359-01A	Soil	05/23/24	05/28/24	Glass Jar, 2 oz.
BH02 16'	E405359-02A	Soil	05/23/24	05/28/24	Glass Jar, 2 oz.
BH03 20'	E405359-03A	Soil	05/23/24	05/28/24	Glass Jar, 2 oz.
BH03 24'	E405359-04A	Soil	05/23/24	05/28/24	Glass Jar, 2 oz.
BH04 20'	E405359-05A	Soil	05/23/24	05/28/24	Glass Jar, 2 oz.
BH07 8'	E405359-06A	Soil	05/23/24	05/28/24	Glass Jar, 2 oz.
BH07 12'	E405359-07A	Soil	05/23/24	05/28/24	Glass Jar, 2 oz.
BH08 8'	E405359-08A	Soil	05/23/24	05/28/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 4:53:21PM

BH02 12' E405359-01

		E100007 01					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2422075
Benzene	ND	0.0250		1	05/30/24	06/03/24	
Ethylbenzene	ND	0.0250		1	05/30/24	06/03/24	
Toluene	ND	0.0250		1	05/30/24	06/03/24	
o-Xylene	ND	0.0250		1	05/30/24	06/03/24	
p,m-Xylene	ND	0.0500		1	05/30/24	06/03/24	
Total Xylenes	ND	0.0250		1	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		103 %	70-130		05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/30/24	06/03/24	
Surrogate: Toluene-d8		95.6 %	70-130		05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2422075
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		103 %	70-130		05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/30/24	06/03/24	
Surrogate: Toluene-d8		95.6 %	70-130		05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	KM		Batch: 2423004
Diesel Range Organics (C10-C28)	ND	25.0	_	1	06/03/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0		1	06/03/24	06/05/24	
Surrogate: n-Nonane		103 %	50-200		06/03/24	06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2423010
Chloride	2800	20.0		1	06/03/24	06/03/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 4:53:21PM

BH02 16' E405359-02

		E403537-02					
Analyte	Result	Reporting Limit	Dilu	tion F	Prepared	Analyzed	Notes
Analyte					Tepareu	Anaryzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: BA			Batch: 2422075
Benzene	ND	0.0250	1		05/30/24	06/03/24	
Ethylbenzene	ND	0.0250	1		05/30/24	06/03/24	
Toluene	ND	0.0250	1		05/30/24	06/03/24	
o-Xylene	ND	0.0250	1		05/30/24	06/03/24	
p,m-Xylene	ND	0.0500	1		05/30/24	06/03/24	
Total Xylenes	ND	0.0250	1		05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		101 %	70-130	a	05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	6	05/30/24	06/03/24	
Surrogate: Toluene-d8		95.1 %	70-130	C	05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: BA			Batch: 2422075
Gasoline Range Organics (C6-C10)	ND	20.0	1		05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		101 %	70-130	6	05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	0	05/30/24	06/03/24	
Surrogate: Toluene-d8		95.1 %	70-130	C	05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: KM			Batch: 2423004
Diesel Range Organics (C10-C28)	ND	25.0	1	. 0	06/03/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1		06/03/24	06/05/24	
Surrogate: n-Nonane		109 %	50-200		06/03/24	06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: WF			Batch: 2423010
Chloride	2270	20.0	1	. 0	06/03/24	06/03/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 4:53:21PM

BH03 20' E405359-03

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2422075
Benzene	ND	0.0250	1	l	05/30/24	06/03/24	
Ethylbenzene	ND	0.0250	1	1	05/30/24	06/03/24	
Toluene	ND	0.0250	1	l	05/30/24	06/03/24	
o-Xylene	ND	0.0250	1	l	05/30/24	06/03/24	
p,m-Xylene	ND	0.0500	1	l	05/30/24	06/03/24	
Total Xylenes	ND	0.0250	1	<u> </u>	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		102 %	70-130		05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130		05/30/24	06/03/24	
Surrogate: Toluene-d8		95.6 %	70-130		05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2422075
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		102 %	70-130		05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130		05/30/24	06/03/24	
Surrogate: Toluene-d8		95.6 %	70-130		05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2423004
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/03/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	[06/03/24	06/05/24	
Surrogate: n-Nonane		111 %	50-200		06/03/24	06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2423010
Chloride	3210	40.0	2	,	06/03/24	06/03/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 4:53:21PM

BH03 24' E405359-04

Reporting Limit	Dilutio	n Prepared	Analyzed	
	Dilutio	ii Frepared		Notes
ma/ka			Anaiyzed	Notes
IIIg/ Kg	An	alyst: BA		Batch: 2422075
0.0250	1	05/30/24	06/03/24	
0.0250	1	05/30/24	06/03/24	
0.0250	1	05/30/24	06/03/24	
0.0250	1	05/30/24	06/03/24	
0.0500	1	05/30/24	06/03/24	
0.0250	1	05/30/24	06/03/24	
99.6 %	70-130	05/30/24	06/03/24	
103 %	70-130	05/30/24	06/03/24	
95.3 %	70-130	05/30/24	06/03/24	
mg/kg	An	alyst: BA		Batch: 2422075
20.0	1	05/30/24	06/03/24	
99.6 %	70-130	05/30/24	06/03/24	
103 %	70-130	05/30/24	06/03/24	
95.3 %	70-130	05/30/24	06/03/24	
mg/kg	An	alyst: KM		Batch: 2423004
25.0	1	06/03/24	06/05/24	
50.0	1	06/03/24	06/05/24	
108 %	50-200	06/03/24	06/05/24	
mg/kg	An	alyst: WF		Batch: 2423010
40.0	2	06/03/24	06/03/24	
	0.0250 0.0250 0.0250 0.0500 0.0250 99.6 % 103 % 95.3 % mg/kg 20.0 99.6 % 103 % 95.3 % mg/kg 103 % 95.3 % mg/kg	0.0250 1 0.0250 1 0.0250 1 0.0250 1 0.0250 1 0.0250 1 0.0500 1 0.0250 1 0.0250 1 0.03% 70-130 mg/kg An 20.0 1 99.6 % 70-130 mg/kg An 20.0 1 99.6 % 70-130 mg/kg An 25.0 1 50.0 1 108 % 50-200 mg/kg An	0.0250 1 05/30/24 0.0250 1 05/30/24 0.0250 1 05/30/24 0.0250 1 05/30/24 0.0250 1 05/30/24 0.0500 1 05/30/24 0.0250 1 05/30/24 0.0250 1 05/30/24 0.0250 1 05/30/24 0.0250 1 05/30/24 99.6 % 70-130 05/30/24 99.6 % 70-130 05/30/24 mg/kg Analyst: BA 20.0 1 05/30/24 99.6 % 70-130 05/30/24 99.6 % 70-130 05/30/24 99.6 % 70-130 05/30/24 103 % 70-130 05/30/24 99.6 % 70-130 05/30/24 103 % 70-130 05/30/24 103 % 70-130 05/30/24 103 % 70-130 05/30/24 50.0 1 06/03/24 108 % 50-200 06/03/24 mg/kg Analyst: WF	0.0250 1 05/30/24 06/03/24 0.0250 1 05/30/24 06/03/24 0.0250 1 05/30/24 06/03/24 0.0250 1 05/30/24 06/03/24 0.0250 1 05/30/24 06/03/24 0.0500 1 05/30/24 06/03/24 0.0250 1 05/30/24 06/03/24 0.0250 1 05/30/24 06/03/24 0.0250 1 05/30/24 06/03/24 0.0250 1 05/30/24 06/03/24 0.0250 1 05/30/24 06/03/24 0.0250 1 05/30/24 06/03/24 0.0250 1 05/30/24 06/03/24 0.0250 1 05/30/24 06/03/24 0.0250 1 05/30/24 06/03/24 0.0250 1 05/30/24 06/03/24 0.03/24 0.03/24 0.03/24 0.03/24 0.05/30/24 06/05/24 0.05/30/24 06/05/24 0.05/30/24 06/05/24 0.05/30/24 06/05/24 0.05/30/24 06/05/24 0.05/30/24 06/05/24 0.05/30/24 06/05/24 0.05/30/24 06/05/24 0.05/30/24 06/05/24



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 4:53:21PM

BH04 20' E405359-05

		2.0000					
Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst	•	1 IIIII y Zeu	Batch: 2422075
Volatile Organic Compounds by EPA 8260B	ND	0.0250		1	05/30/24	06/03/24	Batch: 2422073
Benzene Ethylbenzene	ND ND	0.0250		1	05/30/24	06/03/24	
Toluene	ND	0.0250		1	05/30/24	06/03/24	
o-Xylene	ND	0.0250		1	05/30/24	06/03/24	
p,m-Xylene	ND	0.0500		1	05/30/24	06/03/24	
Total Xylenes	ND	0.0250		1	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		100 %	70-130		05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		05/30/24	06/03/24	
Surrogate: Toluene-d8		95.3 %	70-130		05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2422075
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		100 %	70-130		05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		05/30/24	06/03/24	
Surrogate: Toluene-d8		95.3 %	70-130		05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2423004
Diesel Range Organics (C10-C28)	ND	25.0		1	06/03/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0		1	06/03/24	06/05/24	
Surrogate: n-Nonane		107 %	50-200		06/03/24	06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: WF		Batch: 2423010
Chloride	336	100		5	06/03/24	06/03/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 4:53:21PM

BH07 8' E405359-06

		E403537-00				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Analyte				1	Anaryzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: BA		Batch: 2422075
Benzene	ND	0.0250	1	05/30/24	06/03/24	
Ethylbenzene	ND	0.0250	1	05/30/24	06/03/24	
Toluene	ND	0.0250	1	05/30/24	06/03/24	
o-Xylene	ND	0.0250	1	05/30/24	06/03/24	
p,m-Xylene	ND	0.0500	1	05/30/24	06/03/24	
Total Xylenes	ND	0.0250	1	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		99.5 %	70-130	05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/30/24	06/03/24	
Surrogate: Toluene-d8		94.2 %	70-130	05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: BA		Batch: 2422075
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		99.5 %	70-130	05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/30/24	06/03/24	
Surrogate: Toluene-d8		94.2 %	70-130	05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2423004
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/24	06/05/24	
Surrogate: n-Nonane		110 %	50-200	06/03/24	06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: WF		Batch: 2423010
Chloride	853	200	10	06/03/24	06/03/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 4:53:21PM

BH07 12' E405359-07

Analyte	Result	Reporting Limit	Dil	lution	Prepared	Analyzed	Notes
	mg/kg	mg/kg	- Di	Analyst		7 mary zea	Batch: 2422075
Volatile Organic Compounds by EPA 8260B	ND	0.0250		1	05/30/24	06/03/24	Batch. 2422073
Benzene	ND ND	0.0250		1	05/30/24	06/03/24	
Ethylbenzene				1	05/30/24	06/03/24	
Toluene	ND	0.0250		1	05/30/24	06/03/24	
o-Xylene	ND	0.0250		1			
p,m-Xylene	ND	0.0500		1	05/30/24	06/03/24	
Total Xylenes	ND	0.0250		1	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		05/30/24	06/03/24	
Surrogate: Toluene-d8		95.5 %	70-130		05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2422075
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		05/30/24	06/03/24	
Surrogate: Toluene-d8		95.5 %	70-130		05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2423004
Diesel Range Organics (C10-C28)	ND	25.0		1	06/03/24	06/05/24	-
Oil Range Organics (C28-C36)	ND	50.0		1	06/03/24	06/05/24	
Surrogate: n-Nonane		108 %	50-200		06/03/24	06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: WF		Batch: 2423010
Chloride	347	100		5	06/03/24	06/03/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 4:53:21PM

BH08 8' E405359-08

		E405559-08					
	D 1	Reporting			D 1		N .
Analyte	Result	Limit	Dilt	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2422075
Benzene	ND	0.0250	1	1	05/30/24	06/03/24	
Ethylbenzene	ND	0.0250		1	05/30/24	06/03/24	
Toluene	ND	0.0250		1	05/30/24	06/03/24	
o-Xylene	ND	0.0250		1	05/30/24	06/03/24	
p,m-Xylene	ND	0.0500		1	05/30/24	06/03/24	
Total Xylenes	ND	0.0250		1	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		99.9 %	70-130		05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130		05/30/24	06/03/24	
Surrogate: Toluene-d8		94.2 %	70-130		05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2422075
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		99.9 %	70-130		05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130		05/30/24	06/03/24	
Surrogate: Toluene-d8		94.2 %	70-130		05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2423004
Diesel Range Organics (C10-C28)	ND	25.0		1	06/03/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0		1	06/03/24	06/05/24	
Surrogate: n-Nonane		106 %	50-200		06/03/24	06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2423010
Chloride	326	100		5	06/03/24	06/03/24	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 4:53:21PM

Carlsbad NM, 88220		Project Manage	r: Gi	ilbert Moreno				(5/5/2024 4:53:21PM
	V	olatile Organ	ic Compo	unds by EP	A 8260	В			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2422075-BLK1)							Prepared: 0:	5/30/24 An	alyzed: 06/03/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.1	70-130			
LCS (2422075-BS1)							Prepared: 0:	5/30/24 An	alyzed: 06/05/24
Benzene	2.95	0.0250	2.50		118	70-130			
Ethylbenzene	2.58	0.0250	2.50		103	70-130			
Toluene	2.49	0.0250	2.50		99.4	70-130			
o-Xylene	2.25	0.0250	2.50		90.2	70-130			
p,m-Xylene	4.68	0.0500	5.00		93.7	70-130			
Total Xylenes	6.94	0.0250	7.50		92.5	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Surrogate: Toluene-d8	0.461		0.500		92.2	70-130			
LCS Dup (2422075-BSD1)							Prepared: 0	5/30/24 An	alyzed: 06/03/24
Benzene	2.69	0.0250	2.50		108	70-130	9.30	23	
Ethylbenzene	2.65	0.0250	2.50		106	70-130	2.49	27	
Toluene	2.50	0.0250	2.50		100	70-130	0.622	24	
o-Xylene	2.39	0.0250	2.50		95.7	70-130	5.92	27	
p,m-Xylene	4.97	0.0500	5.00		99.5	70-130	5.97	27	
Total Xylenes	7.36	0.0250	7.50		98.2	70-130	5.96	27	
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			



70-130

Surrogate: Toluene-d8

0.485

QC Summary Data

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 6/5/2024 4:53:21PM

Nonhalogenated	Organics by	[,] EPA 8015D	- GRO

Analyst: BA

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

Blank (2422075-BLK1)						Prepared: 0	5/30/24 A	nalyzed: 06/03/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.503		0.500	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500	102	70-130			
Surrogate: Toluene-d8	0.481		0.500	96.1	70-130			
LCS (2422075-BS2)						Prepared: 0	5/30/24 A	nalyzed: 06/03/24
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	93.6	70-130			
Surrogate: Bromofluorobenzene	0.515		0.500	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500	102	70-130			
Surrogate: Toluene-d8	0.489		0.500	97.8	70-130			
LCS Dup (2422075-BSD2)						Prepared: 0:	5/30/24 A	nalyzed: 06/03/24
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0	107	70-130	13.3	20	
Surrogate: Bromofluorobenzene	0.516		0.500	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500	98.3	70-130			
Surrogate: Toluene-d8	0.488		0.500	97.5	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/5/2024 4:53:21PM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno				6	/5/2024 4:53:21PM
	Nonha	ogenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2423004-BLK1)							Prepared: 0	6/03/24 Ana	lyzed: 06/04/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.5		50.0		109	50-200			
LCS (2423004-BS1)							Prepared: 0	6/03/24 Ana	lyzed: 06/04/24
Diesel Range Organics (C10-C28)	291	25.0	250		117	38-132			
Surrogate: n-Nonane	53.5		50.0		107	50-200			
LCS Dup (2423004-BSD1)							Prepared: 0	6/03/24 Ana	lyzed: 06/04/24
Diesel Range Organics (C10-C28)	293	25.0	250		117	38-132	0.439	20	
Surrogate: n-Nonane	53.9		50.0		108	50-200			

LCS Dup (2423010-BSD1)

Chloride

248

Prepared: 06/03/24 Analyzed: 06/03/24

20

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		East Pecos 22-3 Produced Water Gathering Line 01058-0007				Reported:		
Carlsbad NM, 88220	Project Manager	Project Manager: Gilbert Moreno						6/5/2024 4:53:21PM		
		Anions	by EPA 3	300.0/9056 <i>A</i>	1				Analyst: WF	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2423010-BLK1)							Prepared: 0	6/03/24 A	analyzed: 06/03/24	
Chloride	ND	20.0								
LCS (2423010-BS1)							Prepared: 0	6/03/24 A	analyzed: 06/03/24	
Chloride	248	20.0	250		99.4	90-110				

250

20.0

99.0

90-110

0.356

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:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/05/24 16:53

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Page
225
of 10
20

Client: \	VPX Energ	v Permia	n IIC	Bill To					Lab Use Only TAT EPA Progr						rogram						
-	st Pecos 22-		-	thering Line		tention: Jim Raley		Lab \	MO#	Luc	, 03	Job Number				1D	2D	3D	Standard	CWA	SDWA
	Manager:			thering time		dress: 5315 Buena Vista Dr.		FL	C=	35	a	01058-000			M	-	-	-	5 day TAT		
	: 13000 W					ty, State, Zip: Carlsbad, NM, 8	8220					nalys									RCRA
	te, Zip_Oc					one: 575-885-7502				П							Г				
_	332-541-7					nail: jim.raley@dvn.com			015											State	
Email: D	evon-tean	n@etech	env.com			O: 21255735			by 8										NM CC	UT AZ	TX
5					252200	cident ID: nAB1614039576 and		1	ORO												
-					n.A	B1616628496			RO/C	12	0		0.0		uc	ΣZ					
Collecte	d by: Edyt	e Konan						T	0/0	805	826	6010	e 30i		Anic			¥	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	верос		GDOC		Remarks	
8:00	05.23.24	S	1			BH02	l	12'								х					
8:30	05.23.24	S	1			BH02	2	16'								х					
9:00	05.23.24	S	1			BH03	3	20'								х					
9:30	05.23.24	S	1			BH03	4	24'								х					
10:00	05.23.24	S	1			BH04	5	20'								х					2
10:30	05.23.24	S	1			BH07	0	8'								х					
11:00	05.23.24	S	1			BH07	1	12'								х					
11:30	05.23.24	S	1			BH08	8	8'								х					
				0	5 12412	L															Him
Additio	nal Instruc	tions:																			
					mple. I am awa	re that tampering with or intentionally mi	islabelling the samp	ole locat	ion,										eceived on ice the d less than 6 °C on su		
	ed by (Signa		Date	Т	7:30	Received by: (Signature)	es 5-24-2	14	Time	230	>	Rece	ivec	d on i	ce:		ab Us	se On	lly		
	ed by (Signa		a Date		Time 1620	Received by: (Signature)	Date 5.W	111	Time	80	ð	T1				T2	, "		Т3		
Relinquis	ed by: (Signa	ture)	Dațe	T	7400	Received by: (Signature)	Date	14	Time	YY)	AVG	Ten	an °C	_ (4					
Sample Ma	trix: S - Soil. Se	- Solid Se -	-	Aqueous, O - Ot		- WW-1	Container	Type	g - pl	ass n	- po					er els	ass. v	- VOA	(
_						ther arrangements are made. Hazar														alysis of the	above
						with this COC. The liability of the labo															



envirotech

Printed: 5/28/2024 11:34:23AM

Envirotech Analytical Laboratory

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:	05/28/24	10:00		Work Order ID:	E405359
Phone:	(539) 573-4018	Date Logged In:	05/25/24	19:03		Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	06/04/24	17:00 (5 day TAT)			
Chain of	Custody (COC)						
	Custody (COC)		3 7				
	te sample ID match the COC? The number of samples per sampling site location match	sh the COC	Yes				
	amples dropped off by client or carrier?	in the COC	Yes	a	~ .		
	e COC complete, i.e., signatures, dates/times, request	end analyzana?	Yes Yes	Carrier: C	<u>Courier</u>		
	Il samples received within holding time?	ed allalyses!	Yes				
J. Wele al	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		168			Comments	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	ample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes C				
Sample C		emperature. 1	<u> </u>				
_	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain-	are collected?	Yes				
Field Lab		ers conceteur	103				
	net field sample labels filled out with the minimum infor	mation:					
	ample ID?	mation.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample P	<u>reservation</u>						
21. Does t	the COC or field labels indicate the samples were pro-	eserved?	No				
22. Are sa	imple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved me	etals?	No				
Multipha	se Sample Matrix						
26. Does t	the sample have more than one phase, i.e., multiphas	e?	No				
27. If yes,	does the COC specify which phase(s) is to be analyst	zed?	NA				
Subcontr	act Laboratory						
	umples required to get sent to a subcontract laborator	v?	No				
	subcontract laboratory specified by the client and if		NA	Subcontract Lab	» NIA		
		so who:	1421	Subcontract Lat	J. INA		
Client In	struction						

Date

Printed: 5/28/2024 11:59:18AM

Envirotech Analytical Laboratory

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:	05/28/24	10:00		Work Order ID:	E405360
Phone:	(539) 573-4018	Date Logged In:	05/25/24	19:03		Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	06/04/24	17:00 (5 day TAT)			
Chain of	Custodiu (COC)						
	Custody (COC)		37				
	ne sample ID match the COC? ne number of samples per sampling site location matc	h the COC	Yes				
	amples dropped off by client or carrier?	ii uic coc	Yes	a	~ .		
	e COC complete, i.e., signatures, dates/times, request	od analyzaar?	Yes Yes	Carrier: C	<u>Courier</u>		
	Il samples received within holding time?	ed analyses:	Yes				
J. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		165			Comment	s/Resolution
Sample 7	Turn Around Time (TAT)						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample t	received w/i 15	Yes				
	Container	omperature. 1	<u> </u>				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contained	ers collected?	Yes				
Field Lal		ars conceicus.	103				
	field sample labels filled out with the minimum infor	mation:					
	ample ID?	ination.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample I	<u>Preservation</u>						
21. Does	the COC or field labels indicate the samples were pre-	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved me	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphase	e?	No				
27. If yes	, does the COC specify which phase(s) is to be analyze	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	v?	No				
	subcontract laboratory specified by the client and if		NA	Subcontract Lab	r NA		
	nstruction			Successiva Eur			
Chefft II	<u>istruction</u>						

Report to:
Anna Byers





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E411113

Job Number: 01058-0007

Received: 11/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/19/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 11/19/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411113

Date Received: 11/12/2024 9:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/12/2024 9:45:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line 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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whinchman@envirotech-inc.com

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Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/24 11:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 4'	E411113-01A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 6'	E411113-02A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 8'	E411113-03A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 10'	E411113-04A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 12'	E411113-05A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 14'	E411113-06A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 16'	E411113-07A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 18'	E411113-08A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 20'	E411113-09A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 22'	E411113-10A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 24'	E411113-11A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 26'	E411113-12A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 28'	E411113-13A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 30'	E411113-14A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 32'	E411113-15A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 34'	E411113-16A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 36'	E411113-17A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 38'	E411113-18A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 40'	E411113-19A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 42'	E411113-20A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 44'	E411113-21A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 46'	E411113-22A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 48'	E411113-23A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 4' E411113-01

		2111110 01					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
Benzene	ND	0.0250		1	11/12/24	11/16/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/16/24	
Toluene	ND	0.0250		1	11/12/24	11/16/24	
o-Xylene	ND	0.0250		1	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/16/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		99.8 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		99.8 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446055
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/13/24	
Surrogate: n-Nonane		111 %	50-200		11/12/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446106
Chloride	32.7	20.0		1	11/13/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 6' E411113-02

		E411113-02					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Kesuit	Limit	Dili	шион	ricpared	Analyzeu	INUIES
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
Benzene	ND	0.0250		1	11/12/24	11/16/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/16/24	
Toluene	ND	0.0250		1	11/12/24	11/16/24	
o-Xylene	ND	0.0250		1	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/16/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		100 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		100 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446055
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/13/24	
Surrogate: n-Nonane		118 %	50-200		11/12/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446106
Chloride	ND	20.0		1	11/13/24	11/14/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 8' E411113-03

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2446053
Benzene	ND	0.0250	1	11/12/24	11/16/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/16/24	
Toluene	ND	0.0250	1	11/12/24	11/16/24	
o-Xylene	ND	0.0250	1	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/16/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130	11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	11/12/24	11/16/24	
Surrogate: Toluene-d8		104 %	70-130	11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2446053
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130	11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	11/12/24	11/16/24	
Surrogate: Toluene-d8		104 %	70-130	11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: NV		Batch: 2446055
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		111 %	50-200	11/12/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: JM		Batch: 2446106
Chloride	ND	200	10	11/13/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 10' E411113-04

Analyte	Result	Reporting Limit	Dilu	.tion	Duomonod	Analyzed	Notes
Analyte	Result	Limit	Dilu	uion	Prepared	Anaiyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: 1	ΙΥ		Batch: 2446053
Benzene	ND	0.0250	1	l	11/12/24	11/16/24	
Ethylbenzene	ND	0.0250	1	l	11/12/24	11/16/24	
Toluene	ND	0.0250	1	l	11/12/24	11/16/24	
o-Xylene	ND	0.0250	1	l	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500	1	l	11/12/24	11/16/24	
Total Xylenes	ND	0.0250	1	1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		99.7 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		102 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: 1	ΙΥ		Batch: 2446053
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		99.7 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		102 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 1	NV		Batch: 2446055
Diesel Range Organics (C10-C28)	ND	25.0	1		11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	11/12/24	11/13/24	
Surrogate: n-Nonane		114 %	50-200		11/12/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: .	JМ		Batch: 2446106
Chloride	ND	100	5	-	11/13/24	11/14/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 12' E411113-05

	_	Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2446053
Benzene	ND	0.0250	1	11/12/24	11/16/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/16/24	
Toluene	ND	0.0250	1	11/12/24	11/16/24	
o-Xylene	ND	0.0250	1	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/16/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		98.6 %	70-130	11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	11/12/24	11/16/24	
Surrogate: Toluene-d8		103 %	70-130	11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2446053
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		98.6 %	70-130	11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	11/12/24	11/16/24	
Surrogate: Toluene-d8		103 %	70-130	11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: NV		Batch: 2446055
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		118 %	50-200	11/12/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: JM		Batch: 2446106
Chloride	ND	100	5	11/13/24	11/14/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 14' E411113-06

		E411113-00					
Anglista	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
Benzene	ND	0.0250		1	11/12/24	11/16/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/16/24	
Toluene	ND	0.0250		1	11/12/24	11/16/24	
o-Xylene	ND	0.0250		1	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/16/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		96.3 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		96.3 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446055
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/13/24	
Surrogate: n-Nonane		107 %	50-200		11/12/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446106
Chloride	ND	40.0		2	11/13/24	11/14/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 16' E411113-07

		2.11110 0.					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Anaryte	Result	Limit	Dii	ution	rrepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
Benzene	ND	0.0250		1	11/12/24	11/16/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/16/24	
Toluene	ND	0.0250		1	11/12/24	11/16/24	
o-Xylene	ND	0.0250		1	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/16/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446055
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/13/24	
Surrogate: n-Nonane		111 %	50-200		11/12/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446106
Chloride	ND	20.0		1	11/13/24	11/14/24	_

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 18' E411113-08

	Reporting					
Result	Limit	Dil	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0500		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
	97.4 %	70-130		11/12/24	11/16/24	
	94.9 %	70-130		11/12/24	11/16/24	
	102 %	70-130		11/12/24	11/16/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
ND	20.0		1	11/12/24	11/16/24	
	97.4 %	70-130		11/12/24	11/16/24	
	94.9 %	70-130		11/12/24	11/16/24	
	102 %	70-130		11/12/24	11/16/24	
mg/kg	mg/kg		Analyst:	NV		Batch: 2446055
ND	25.0	-	1	11/12/24	11/13/24	-
ND	50.0		1	11/12/24	11/13/24	
	113 %	50-200		11/12/24	11/13/24	
mg/kg	mg/kg		Analyst:	JM		Batch: 2446106
ND	100		5	11/13/24	11/14/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 97.4 % 94.9 % 102 % mg/kg ND 20.0 97.4 % 94.9 % 102 % mg/kg Mg/kg mg/kg ND 25.0 ND 50.0 113 % mg/kg mg/kg mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 97.4 % 70-130 94.9 % 70-130 102 % 70-130 mg/kg mg/kg ND 20.0 97.4 % 70-130 94.9 % 70-130 102 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 113 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 97.4 % 70-130 94.9 % 70-130 102 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 97.4 % 70-130 1 94.9 % 70-130 1 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 113 % 50-200 mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 97.4 % 70-130 11/12/24 94.9 % 70-130 11/12/24 102 % 70-130 11/12/24 97.4 % 70-130 11/12/24 97.4 % 70-130 11/12/24 94.9 % 70-130 11/12/24 102 % 70-130 11/12/24 102 % 70-130 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 mg/kg <td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/16/24 ND 0.0500 1 11/12/24 11/16/24 ND 0.0250 1 11/12/24 11/16/24 97.4 % 70-130 11/12/24 11/16/24 94.9 % 70-130 11/12/24 11/16/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/12/24 11/16/24 Mp/s 70-130 11/12/24 11/16/24 11/16/24 94.9 % 70-130 11/12/24 11/16/24 102 % 70-130 11/12/24 11/16/24 mg/kg mg/kg Analyst: NV ND 50.0 1 1</td>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/16/24 ND 0.0500 1 11/12/24 11/16/24 ND 0.0250 1 11/12/24 11/16/24 97.4 % 70-130 11/12/24 11/16/24 94.9 % 70-130 11/12/24 11/16/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/12/24 11/16/24 Mp/s 70-130 11/12/24 11/16/24 11/16/24 94.9 % 70-130 11/12/24 11/16/24 102 % 70-130 11/12/24 11/16/24 mg/kg mg/kg Analyst: NV ND 50.0 1 1



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 20' E411113-09

Analyte	Result	Reporting Limit	Dilu	tion	Duomonod	Analyzed	Notes
Analyte	Kesuii	Limit	Dilui	иоп	Prepared	Anaiyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY			Batch: 2446053
Benzene	ND	0.0250	1		11/12/24	11/16/24	
Ethylbenzene	ND	0.0250	1		11/12/24	11/16/24	
Toluene	ND	0.0250	1		11/12/24	11/16/24	
o-Xylene	ND	0.0250	1		11/12/24	11/16/24	
p,m-Xylene	ND	0.0500	1		11/12/24	11/16/24	
Total Xylenes	ND	0.0250	1		11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		99.7 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2446053
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		99.7 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: N	V		Batch: 2446055
Diesel Range Organics (C10-C28)	ND	25.0	1		11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1		11/12/24	11/14/24	
Surrogate: n-Nonane		114 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM	1		Batch: 2446106
	ND	40.0	2		11/13/24	11/14/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 22' E411113-10

D 1	Reporting	Г.,		D 1		N.
Result	Limit	Dilt	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0500		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
	100 %	70-130		11/12/24	11/16/24	
	102 %	70-130		11/12/24	11/16/24	
	105 %	70-130		11/12/24	11/16/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
ND	20.0		1	11/12/24	11/16/24	
	100 %	70-130		11/12/24	11/16/24	
	102 %	70-130		11/12/24	11/16/24	
	105 %	70-130		11/12/24	11/16/24	
mg/kg	mg/kg		Analyst:	NV		Batch: 2446055
ND	25.0	-	1	11/12/24	11/14/24	-
ND	50.0		1	11/12/24	11/14/24	
	117 %	50-200	·	11/12/24	11/14/24	
mg/kg	mg/kg		Analyst:	JM		Batch: 2446106
62.3	20.0		1	11/13/24	11/14/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IOO % 102 % 105 % mg/kg MD 20.0 100 % 102 % 105 % 105 % mg/kg mg/kg ND 25.0 ND 50.0 117 % mg/kg mg/kg mg/kg	Result Limit Dile mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 100 % 70-130 105 % 70-130 mg/kg mg/kg ND 20.0 100 % 70-130 105 % 70-130 105 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 117 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 100 % 70-130 102 % 70-130 105 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 105 % 70-130 1 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 117 % 50-200 mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 100 % 70-130 11/12/24 102 % 70-130 11/12/24 105 % 70-130 11/12/24 100 % 70-130 11/12/24 102 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 ND 25.0 1 11/12/24 ND 50.0 1<	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/16/24 ND 0.0500 1 11/12/24 11/16/24 ND 0.0250 1 11/12/24 11/16/24 100 % 70-130 11/12/24 11/16/24 105 % 70-130 11/12/24 11/16/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/12/24 11/16/24 105 % 70-130 11/12/24 11/16/24 105 % 70-130 11/12/24 11/16/24 105 % 70-130 11/12/24 11/16/24 105 % 70-130 11/12/24 11/16/24 MD 50.0 1



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 24' E411113-11

Result	Limit	Dil	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0500		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
	98.8 %	70-130		11/12/24	11/16/24	
	96.9 %	70-130		11/12/24	11/16/24	
	104 %	70-130		11/12/24	11/16/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
ND	20.0		1	11/12/24	11/16/24	
	98.8 %	70-130		11/12/24	11/16/24	
	96.9 %	70-130		11/12/24	11/16/24	
	104 %	70-130		11/12/24	11/16/24	
mg/kg	mg/kg		Analyst:	NV		Batch: 2446055
ND	25.0	-	1	11/12/24	11/14/24	
ND	50.0		1	11/12/24	11/14/24	
	111 %	50-200		11/12/24	11/14/24	
mg/kg	mg/kg		Analyst:	JM		Batch: 2446106
46.1	20.0		1	11/13/24	11/14/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 98.8 % 96.9 % 104 % mg/kg ND 20.0 98.8 % 96.9 % 104 % mg/kg Mg/kg mg/kg ND 25.0 ND 50.0 111 % mg/kg mg/kg mg/kg	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 98.8 % 70-130 96.9 % 70-130 104 % 70-130 mg/kg mg/kg ND 20.0 98.8 % 70-130 96.9 % 70-130 104 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 111 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 98.8 % 70-130 96.9 % 70-130 104 % 70-130 mg/kg mg/kg Analyst: ND 104 % 70-130 mg/kg mg/kg Analyst: ND 111 % 50-200 mg/kg Mg/kg	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 98.8 % 70-130 11/12/24 96.9 % 70-130 11/12/24 104 % 70-130 11/12/24 98.8 % 70-130 11/12/24 98.8 % 70-130 11/12/24 96.9 % 70-130 11/12/24 104 % 70-130 11/12/24 104 % 70-130 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 mg/kg <td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY Interpretable of the property of the propert</td>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY Interpretable of the property of the propert



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 26' E411113-12

- I	Reporting	D.:		D 1		N.
Result	Limit	Dıl	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	: IY		Batch: 2446053
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0500		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
	99.3 %	70-130		11/12/24	11/16/24	
	91.0 %	70-130		11/12/24	11/16/24	
	104 %	70-130		11/12/24	11/16/24	
mg/kg	mg/kg		Analyst:	: IY		Batch: 2446053
ND	20.0		1	11/12/24	11/16/24	
	99.3 %	70-130		11/12/24	11/16/24	
	91.0 %	70-130		11/12/24	11/16/24	
	104 %	70-130		11/12/24	11/16/24	
mg/kg	mg/kg		Analyst:	: NV		Batch: 2446055
ND	25.0		1	11/12/24	11/14/24	
ND	50.0		1	11/12/24	11/14/24	
	118 %	50-200		11/12/24	11/14/24	
mg/kg	mg/kg		Analyst	: JM		Batch: 2446106
ND	100		5	11/13/24	11/14/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 99.3 % 91.0 % 104 % 104 % mg/kg mg/kg ND 20.0 99.3 % 91.0 % 104 % 104 % mg/kg mg/kg ND 25.0 ND 50.0 118 % mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 99.3 % 70-130 91.0 % 70-130 104 % 70-130 mg/kg mg/kg ND 20.0 99.3 % 70-130 99.3 % 70-130 99.3 % 70-130 99.3 % 70-130 99.3 % 70-130 99.3 % 70-130 99.3 % 70-130 91.0 % 70-130 104 % 70-130 104 % 70-130 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 99.3 % 70-130 91.0 % 70-130 104 % 70-130 mg/kg mg/kg Analyst ND 20.0 1 99.3 % 70-130 70-130 104 % 70-130 70-130 mg/kg mg/kg Analyst ND 25.0 1 ND 50.0 1 118 % 50-200 mg/kg Mg/kg Analyst	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 99.3 % 70-130 11/12/24 99.3 % 70-130 11/12/24 104 % 70-130 11/12/24 MD 20.0 1 11/12/24 99.3 % 70-130 11/12/24 99.3 % 70-130 11/12/24 99.0 % 70-130 11/12/24 104 % 70-130 11/12/24 104 % 70-130 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 Mg/kg	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/16/24 ND 0.0500 1 11/12/24 11/16/24 ND 0.0250 1 11/12/24 11/16/24 99.3 % 70-130 11/12/24 11/16/24 91.0 % 70-130 11/12/24 11/16/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/12/24 11/16/24 MD 20.0 1 11/12/24 11/16/24 11/16/24 MD 70-130 11/12/24 11/16/24 11/16/24 MD 70-130 11/12/24 11/16/24 11/16/24 MD 70-130 11/12/24 11/16/24



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 28' E411113-13

Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Anaryte	Resuit	Limit	Dilu	шоп	rrepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
Benzene	ND	0.0250	1	l	11/12/24	11/16/24	
Ethylbenzene	ND	0.0250	1	[11/12/24	11/16/24	
Toluene	ND	0.0250	1	l	11/12/24	11/16/24	
o-Xylene	ND	0.0250	1	l	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500	1	l	11/12/24	11/16/24	
Total Xylenes	ND	0.0250	1	l	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		100 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		102 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		100 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		102 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446055
Diesel Range Organics (C10-C28)	ND	25.0	1	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	11/12/24	11/14/24	
Surrogate: n-Nonane		116 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446106
Chloride	ND	100	5	5	11/13/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 30' E411113-14

		2					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Anaryte	Result	Limit	Dili	ution	rrepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
Benzene	ND	0.0250		1	11/12/24	11/16/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/16/24	
Toluene	ND	0.0250		1	11/12/24	11/16/24	
o-Xylene	ND	0.0250		1	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/16/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446055
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/14/24	
Surrogate: n-Nonane		116 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446106
Chloride	ND	100		5	11/13/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 32' E411113-15

	E411113-13					
	Reporting			_		
Result	Limit	Dil	lution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst	: IY		Batch: 2446053
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0500		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
	99.3 %	70-130		11/12/24	11/16/24	
	94.9 %	70-130		11/12/24	11/16/24	
	103 %	70-130		11/12/24	11/16/24	
mg/kg	mg/kg		Analyst	: IY		Batch: 2446053
ND	20.0		1	11/12/24	11/16/24	
	99.3 %	70-130		11/12/24	11/16/24	
	94.9 %	70-130		11/12/24	11/16/24	
	103 %	70-130		11/12/24	11/16/24	
mg/kg	mg/kg		Analyst	: NV		Batch: 2446055
ND	25.0		1	11/12/24	11/14/24	
ND	50.0		1	11/12/24	11/14/24	
	110 %	50-200		11/12/24	11/14/24	
mg/kg	mg/kg		Analyst	: JM		Batch: 2446106
ND	40.0		2	11/13/24	11/14/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 94.9 % 103 % mg/kg ND 20.0 99.3 % 94.9 % 103 % mg/kg Mg/kg mg/kg ND 25.0 ND 50.0 110 % mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 99.3 % 70-130 94.9 % 70-130 103 % 70-130 99.3 % 70-130 99.3 % 70-130 99.3 % 70-130 99.3 % 70-130 94.9 % 70-130 103 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 110 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 70-130 1 99.3 % 70-130 70-130 mg/kg mg/kg Analyst ND 20.0 1 99.3 % 70-130 70-130 mg/kg mg/kg Analyst ND 25.0 1 ND 50.0 1 110 % 50-200 mg/kg Mg/kg Analyst	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 99.3 % 70-130 11/12/24 99.3 % 70-130 11/12/24 103 % 70-130 11/12/24 99.3 % 70-130 11/12/24 99.3 % 70-130 11/12/24 99.9 % 70-130 11/12/24 103 % 70-130 11/12/24 99.9 % 70-130 11/12/24 103 % 70-130 11/12/24 103 % 70-130 11/12/24 103 % 70-130 11/12/24 ND 25.0 1 11/12/24 ND 50.0	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/16/24 ND 0.0500 1 11/12/24 11/16/24 ND 0.0250 1 11/12/24 11/16/24 99.3 % 70-130 11/12/24 11/16/24 94.9 % 70-130 11/12/24 11/16/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/12/24 11/16/24 Mg/kg mg/kg Analyst: IY 11/16/24 11/16/24 11/16/24 Mg/kg mg/kg Analyst: NV 11/12/24 11/16/24 11/16/24 MD 25.0 1 11/12/24 11/14/24 11/14/24 ND 50.0

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 34' E411113-16

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
Benzene	ND	0.0250	1		11/12/24	11/16/24	
Ethylbenzene	ND	0.0250	1		11/12/24	11/16/24	
Toluene	ND	0.0250	1		11/12/24	11/16/24	
o-Xylene	ND	0.0250	1		11/12/24	11/16/24	
p,m-Xylene	ND	0.0500	1	l	11/12/24	11/16/24	
Total Xylenes	ND	0.0250	1		11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		99.7 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	٠	Analyst:	IY		Batch: 2446053
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		99.7 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446055
Diesel Range Organics (C10-C28)	ND	25.0	1		11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1		11/12/24	11/14/24	
Surrogate: n-Nonane		116 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446106
	ND	100	5		11/13/24	11/14/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 36' E411113-17

D 1:	Reporting	F.,,				
Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0500		1	11/12/24	11/17/24	
ND	0.0250	į	1	11/12/24	11/17/24	
	98.8 %	70-130		11/12/24	11/17/24	
	93.6 %	70-130		11/12/24	11/17/24	
	103 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
ND	20.0		1	11/12/24	11/17/24	
	98.8 %	70-130		11/12/24	11/17/24	
	93.6 %	70-130		11/12/24	11/17/24	
	103 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg		Analyst:	NV		Batch: 2446055
ND	25.0		1	11/12/24	11/14/24	
ND	50.0		1	11/12/24	11/14/24	
	115 %	50-200		11/12/24	11/14/24	
mg/kg	mg/kg		Analyst:	JM		Batch: 2446106
ND	40.0		2	11/13/24	11/14/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 98.8 % 93.6 % 103 % mg/kg ND 20.0 98.8 % 93.6 % 103 % mg/kg MD 25.0 ND 50.0 115 % mg/kg mg/kg mg/kg	Result Limit Dilute mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 98.8 % 70-130 93.6 % 70-130 103 % 70-130 mg/kg mg/kg ND 20.0 98.8 % 70-130 103 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 98.8 % 70-130 93.6 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 98.8 % 70-130 70-130 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 115 % 50-200 mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 98.8 % 70-130 11/12/24 93.6 % 70-130 11/12/24 103 % 70-130 11/12/24 98.8 % 70-130 11/12/24 98.8 % 70-130 11/12/24 93.6 % 70-130 11/12/24 103 % 70-130 11/12/24 103 % 70-130 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 mg/kg	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 98.8 % 70-130 11/12/24 11/17/24 93.6 % 70-130 11/12/24 11/17/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/12/24 11/17/24 98.8 % 70-130 11/12/24 11/17/24 93.6 % 70-130 11/12/24 11/17/24 103 % 70-130 11/12/24 11/17/24 103 % 70-130 11/12/24 11/17/24 mg/kg mg/kg <



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 38' E411113-18

D. I	Reporting	D.1		D 1		N
Result	Limit	Dil	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0500		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
	98.4 %	70-130		11/12/24	11/17/24	
	96.4 %	70-130		11/12/24	11/17/24	
	103 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
ND	20.0		1	11/12/24	11/17/24	
	98.4 %	70-130		11/12/24	11/17/24	
	96.4 %	70-130		11/12/24	11/17/24	
	103 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg		Analyst	NV		Batch: 2446055
ND	25.0		1	11/12/24	11/14/24	
ND	50.0		1	11/12/24	11/14/24	
	116 %	50-200		11/12/24	11/14/24	
mg/kg	mg/kg		Analyst:	JM		Batch: 2446106
42.0	40.0		2	11/13/24	11/14/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 98.4 % 96.4 % 103 % mg/kg ND 20.0 98.4 % 96.4 % 103 % mg/kg Mg/kg mg/kg ND 25.0 ND 50.0 116 % mg/kg mg/kg mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 98.4 % 70-130 96.4 % 70-130 103 % 70-130 mg/kg mg/kg ND 20.0 98.4 % 70-130 103 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 98.4 % 70-130 96.4 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 98.4 % 70-130 1 96.4 % 70-130 1 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 116 % 50-200 mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 98.4 % 70-130 11/12/24 96.4 % 70-130 11/12/24 103 % 70-130 11/12/24 98.4 % 70-130 11/12/24 98.4 % 70-130 11/12/24 96.4 % 70-130 11/12/24 103 % 70-130 11/12/24 96.4 % 70-130 11/12/24 103 % 70-130 11/12/24 103 % 70-130 11/12/24 103 % 70-130 11/12/24 ND 25.0 1 11/12/24 ND 50.0	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 98.4 % 70-130 11/12/24 11/17/24 103 % 70-130 11/12/24 11/17/24 103 % 70-130 11/12/24 11/17/24 103 % 70-130 11/12/24 11/17/24 103 % 70-130 11/12/24 11/17/24 103 % 70-130 11/12/24 11/17/24 103



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 40' E411113-19

D 1	Reporting			D 1		N.
Kesult	Limit	Dılu	ition	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst: IY			Batch: 2446053
ND	0.0250	1	l	11/12/24	11/17/24	
ND	0.0250	1	l	11/12/24	11/17/24	
ND	0.0250	1	l	11/12/24	11/17/24	
ND	0.0250	1	l	11/12/24	11/17/24	
ND	0.0500	1	l	11/12/24	11/17/24	
ND	0.0250	1	<u> </u>	11/12/24	11/17/24	
	100 %	70-130		11/12/24	11/17/24	
	94.1 %	70-130		11/12/24	11/17/24	
	104 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg		Analyst: I	Y		Batch: 2446053
ND	20.0	1	l	11/12/24	11/17/24	
	100 %	70-130		11/12/24	11/17/24	
	94.1 %	70-130		11/12/24	11/17/24	
	104 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg		Analyst: N	IV		Batch: 2446055
ND	25.0	1		11/12/24	11/14/24	
ND	50.0	1	<u> </u>	11/12/24	11/14/24	
	117 %	50-200		11/12/24	11/14/24	
mg/kg	mg/kg		Analyst: J	М		Batch: 2446106
56.7	40.0	2	2	11/13/24	11/14/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 I00 % 94.1 % I04 % mg/kg ND 20.0 I00 % 94.1 % I04 % mg/kg MD 25.0 ND 50.0 I17 % mg/kg mg/kg mg/kg	Result Limit Dilu mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 100 % 70-130 94.1 % 70-130 104 % 70-130 mg/kg mg/kg ND 20.0 104 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 117 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: I ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0500 1 ND 0.0250 1 ND 70-130 1 94.1 % 70-130 1 ND 20.0 1 100 % 70-130 1 94.1 % 70-130 1 104 % 70-130 1 mg/kg mg/kg Analyst: N ND 25.0 1 ND 50.0 1 117 % 50-200 mg/kg Analyst: J	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 94.1 % 70-130 11/12/24 94.1 % 70-130 11/12/24 104 % 70-130 11/12/24 94.1 % 70-130 11/12/24 104 % 70-130 11/12/24 104 % 70-130 11/12/24 104 % 70-130 11/12/24 104 % 70-130 11/12/24 104 % 70-130 11/12/24 104 % 70-130 11/12/24 ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 <td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 94.1 % 70-130 11/12/24 11/17/24 104 % 70-130 11/12/24 11/17/24 Mg/kg mg/kg Analyst: IY 11/12/24 11/17/24 100 % 70-130 11/12/24 11/17/24 104 % 70-130 11/12/24 11/17/24 104 % 70-130 11/12/24 11/17/24 104 % 70-130 11/12/24 11/17/24</td>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 94.1 % 70-130 11/12/24 11/17/24 104 % 70-130 11/12/24 11/17/24 Mg/kg mg/kg Analyst: IY 11/12/24 11/17/24 100 % 70-130 11/12/24 11/17/24 104 % 70-130 11/12/24 11/17/24 104 % 70-130 11/12/24 11/17/24 104 % 70-130 11/12/24 11/17/24



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 42' E411113-20

		2.11110 20					
Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2446053
Benzene	ND	0.0250		1	11/12/24	11/17/24	Buten: 2 : 10000
Ethylbenzene	ND	0.0250		1	11/12/24	11/17/24	
Toluene	ND	0.0250		1	11/12/24	11/17/24	
o-Xylene	ND	0.0250		1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		97.8 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446053
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		97.8 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2446055
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/14/24	
Surrogate: n-Nonane		117 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM			Batch: 2446106
Chloride	ND	100	_	5	11/13/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 44' E411113-21

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2446058
Benzene	ND	0.0250	1	11/12/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/15/24	
Toluene	ND	0.0250	1	11/12/24	11/15/24	
o-Xylene	ND	0.0250	1	11/12/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		98.5 %	70-130	11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		93.7 %	70-130	11/12/24	11/15/24	
Surrogate: Toluene-d8		104 %	70-130	11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2446058
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		98.5 %	70-130	11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		93.7 %	70-130	11/12/24	11/15/24	
Surrogate: Toluene-d8		104 %	70-130	11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV		Batch: 2446061
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		116 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JM		Batch: 2446096
Chloride	ND	20.0	1	11/13/24	11/14/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 46' E411113-22

		E411113-22					
	D 1	Reporting	~		D 1		
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2446058
Benzene	ND	0.0250		1	11/12/24	11/15/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/15/24	
Toluene	ND	0.0250		1	11/12/24	11/15/24	
o-Xylene	ND	0.0250		1	11/12/24	11/15/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/15/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		11/12/24	11/15/24	
Surrogate: Toluene-d8		86.6 %	70-130		11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2446058
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		11/12/24	11/15/24	
Surrogate: Toluene-d8		86.6 %	70-130		11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2446061
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/14/24	
Surrogate: n-Nonane		114 %	50-200	·	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2446096
Chloride	44.3	20.0		1	11/13/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

BH01 48' E411113-23

		E411113-23					
Analyte	Result	Reporting Limit	Dilu	ution	Prepared	Analyzed	Notes
- Amarya	Result				•	7 smary zed	110103
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446058
Benzene	ND	0.0250	1	1	11/12/24	11/15/24	
Ethylbenzene	ND	0.0250	1	1	11/12/24	11/15/24	
Toluene	ND	0.0250	1	1	11/12/24	11/15/24	
o-Xylene	ND	0.0250	1	1	11/12/24	11/15/24	
p,m-Xylene	ND	0.0500	1	1	11/12/24	11/15/24	
Total Xylenes	ND	0.0250	1	1	11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		93.4 %	70-130		11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		92.0 %	70-130		11/12/24	11/15/24	
Surrogate: Toluene-d8		105 %	70-130		11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446058
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		93.4 %	70-130		11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		92.0 %	70-130		11/12/24	11/15/24	
Surrogate: Toluene-d8		105 %	70-130		11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446061
Diesel Range Organics (C10-C28)	ND	25.0	1	1	11/12/24	11/14/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	1	11/12/24	11/14/24	
Surrogate: n-Nonane		112 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446096
Chloride	44.2	20.0	1	1	11/13/24	11/14/24	



WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/19/2024 11:48:28AM

Carlsbad NM, 88220		Project Manage	r: Ar	nna Byers				11/1	9/2024 11:48:28AN
	Vo	olatile Organ	ic Compo	unds by EI	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446053-BLK1)							Prepared: 1	1/12/24 Anal	yzed: 11/16/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.500		0.500		99.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.6	70-130			
Surrogate: Toluene-d8	0.453		0.500		90.5	70-130			
LCS (2446053-BS1)							Prepared: 1	1/12/24 Anal	yzed: 11/16/24
Benzene	2.56	0.0250	2.50		102	70-130			
Ethylbenzene	2.81	0.0250	2.50		112	70-130			
Toluene	2.70	0.0250	2.50		108	70-130			
o-Xylene	2.88	0.0250	2.50		115	70-130			
p,m-Xylene	5.84	0.0500	5.00		117	70-130			
Total Xylenes	8.72	0.0250	7.50		116	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			
LCS Dup (2446053-BSD1)							Prepared: 1	1/12/24 Anal	yzed: 11/16/24
Benzene	2.48	0.0250	2.50		99.1	70-130	3.33	23	
Ethylbenzene	2.71	0.0250	2.50		108	70-130	3.51	27	
Гoluene	2.64	0.0250	2.50		106	70-130	2.43	24	
o-Xylene	2.79	0.0250	2.50		111	70-130	3.25	27	
p,m-Xylene	5.59	0.0500	5.00		112	70-130	4.39	27	
Total Xylenes	8.38	0.0250	7.50		112	70-130	4.01	27	
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			

0.500

70-130

0.513



Surrogate: Toluene-d8

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/19/2024 11:48:28AM

Carlsbad NM, 88220		Project Manage	r: Aı	nna Byers				11/	19/2024 11:48:28AN
	Vo	olatile Organ	ic Compo	unds by EI	PA 8260	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446058-BLK1)							Prepared: 1	1/12/24 Anal	yzed: 11/15/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.6	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			
LCS (2446058-BS1)							Prepared: 1	1/12/24 Anal	yzed: 11/15/24
Benzene	2.46	0.0250	2.50		98.6	70-130			
Ethylbenzene	2.66	0.0250	2.50		107	70-130			
Toluene	2.60	0.0250	2.50		104	70-130			
o-Xylene	2.74	0.0250	2.50		109	70-130			
p,m-Xylene	5.53	0.0500	5.00		111	70-130			
Total Xylenes	8.27	0.0250	7.50		110	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			
LCS Dup (2446058-BSD1)							Prepared: 1	1/12/24 Anal	yzed: 11/15/24
Benzene	2.45	0.0250	2.50		97.8	70-130	0.794	23	
Ethylbenzene	2.68	0.0250	2.50		107	70-130	0.599	27	
Toluene	2.60	0.0250	2.50		104	70-130	0.192	24	
o-Xylene	2.78	0.0250	2.50		111	70-130	1.56	27	
o,m-Xylene	5.64	0.0500	5.00		113	70-130	1.92	27	
Total Xylenes	8.42	0.0250	7.50		112	70-130	1.80	27	
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
··· · · · · · · · · · · · · · · · · ·	~								

0.500

70-130

0.512



Surrogate: Toluene-d8

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/19/2024 11:48:28AM

Nonhalogenated	Organics	bv	EPA	8015D -	GRO
Tommanogenatea	O' Sames	$\boldsymbol{\nu}_{J}$		00151	GILO

	**
Analyst:	. 1

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

Blank (2446053-BLK1)						Prepared: 1	1/12/24 A	nalyzed: 11/16/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.500		0.500	99.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500	93.6	70-130			
Surrogate: Toluene-d8	0.453		0.500	90.5	70-130			
LCS (2446053-BS2)						Prepared: 1	1/12/24 A	nalyzed: 11/16/24
Gasoline Range Organics (C6-C10)	56.1	20.0	50.0	112	70-130			
Surrogate: Bromofluorobenzene	0.504		0.500	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500	97.6	70-130			
Surrogate: Toluene-d8	0.530		0.500	106	70-130			
LCS Dup (2446053-BSD2)						Prepared: 1	1/12/24 A	nalyzed: 11/16/24
Gasoline Range Organics (C6-C10)	57.2	20.0	50.0	114	70-130	2.05	20	
Surrogate: Bromofluorobenzene	0.505		0.500	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500	98.5	70-130			
Surrogate: Toluene-d8	0.522		0.500	104	70-130			



WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/19/2024 11:48:28AM

Nonhalogenated	Organics	by EPA	8015D -	GRO

Anal	

Analyte Re	Reporting sult Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg	/kg mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2446058-BLK1)						Prepared: 11	/12/24 Ana	lyzed: 11/15/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.496		0.500	99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500	91.6	70-130			
Surrogate: Toluene-d8	0.517		0.500	103	70-130			
LCS (2446058-BS2)						Prepared: 11	/12/24 Ana	lyzed: 11/15/24
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	109	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500	99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500	95.0	70-130			
Surrogate: Toluene-d8	0.534		0.500	107	70-130			
LCS Dup (2446058-BSD2)						Prepared: 11	/12/24 Ana	lyzed: 11/15/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	108	70-130	0.548	20	
Surrogate: Bromofluorobenzene	0.501		0.500	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500	96.1	70-130			
Surrogate: Toluene-d8	0.529		0.500	106	70-130			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				11.	/19/2024 11:48:28A
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446055-BLK1)							Prepared: 1	1/12/24 Ana	llyzed: 11/13/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	56.8		50.0		114	50-200			
LCS (2446055-BS1)							Prepared: 1	1/12/24 Ana	lyzed: 11/13/24
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
urrogate: n-Nonane	56.4		50.0		113	50-200			
Matrix Spike (2446055-MS1)				Source:	E411113-0)5	Prepared: 1	1/12/24 Ana	lyzed: 11/13/24
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132			
urrogate: n-Nonane	58.3		50.0		117	50-200			
Matrix Spike Dup (2446055-MSD1)				Source:	E411113-()5	Prepared: 1	1/12/24 Ana	lyzed: 11/13/24
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132	0.579	20	
Gurrogate: n-Nonane	58.1		50.0		116	50-200			

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

Carlsbad NM, 88220		Project Manage	r: Ar	nna Byers				1	1/19/2024 11:48:28A
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446061-BLK1)							Prepared: 11	1/12/24 Ar	nalyzed: 11/13/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.1		50.0		108	50-200			
LCS (2446061-BS1)							Prepared: 11	1/12/24 Ar	nalyzed: 11/13/24
Diesel Range Organics (C10-C28)	264	25.0	250		105	38-132			
Surrogate: n-Nonane	54.7		50.0		109	50-200			
Matrix Spike (2446061-MS1)				Source:	E411114-()1	Prepared: 11	1/12/24 Ar	nalyzed: 11/14/24
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	54.6		50.0		109	50-200			
Matrix Spike Dup (2446061-MSD1)				Source:	E411114-()1	Prepared: 11	1/12/24 Ar	nalyzed: 11/14/24
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132	0.0562	20	
Surrogate: n-Nonane	54.1		50.0		108	50-200			

Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:48:28AM

Anions by EPA 300.0/9056A								Analyst: JM		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2446096-BLK1)							Prepared: 1	1/13/24 Analy	zed: 11/13/24	
Chloride	ND	20.0								
LCS (2446096-BS1)							Prepared: 1	1/13/24 Analy	zed: 11/13/24	
Chloride	253	20.0	250		101	90-110				
LCS Dup (2446096-BSD1)							Prepared: 1	1/13/24 Analy	zed: 11/13/24	

250

20.0

101

90-110

0.275

Chloride

Chloride

LCS Dup (2446106-BSD1)

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager	: (East Pecos 22-3 Produced Water Gathering Line 01058-0007 Anna Byers					Reported: 11/19/2024 11:48:28AM		
0.00001.000		<u> </u>		300.0/9056	4				Analyst: JM		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2446106-BLK1)							Prepared: 1	1/13/24	Analyzed: 11/14/24		
Chloride	ND	20.0									
LCS (2446106-BS1)							Prepared: 1	1/13/24	Analyzed: 11/14/24		

250

250

99.7

100

90-110

90-110

0.542

Prepared: 11/13/24 Analyzed: 11/14/24

249

251

20.0

20.0

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:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/24 11:48

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

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Project N							ress: 5315 Buena Vista Dr.		E4	111	3				B					5 0	day TAT		
Address:							, State, Zip: Carlsbad, NM, 88220						\naly:	sis an	d Me	thod							RCRA
City, Stat			79765				ne: 575-885-7502			2	ı	ļ						ŀ		.	全部企 和		
Phone: 4							il: jim.raley@dvn.com			8		1						i		.		State	أحصيب
Email: De	von-team	@eteche	env.com			wo	: 21255735			9							i				NM CO	UT AZ	TX
					20	Incid	dent ID: nAB1614039576 and nAB16	516628496		Ş				_			_				1 1 1	. ! '	1 1 1
Collected	by: Edyte	Konan	,) (1) (2)			£	TPH GRO/DRO/GRO by 8015	y 8021	, 8260	6010	Chloride 300.0		Catton/Anion	C NM		¥		×	Ш	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	l			Lab Number	Depth(ft.)	TPHGE	BTEX by 802	VOC by 8260	Metals 6010	Chlarit	TDS	Catton	BGDOC		2005			Remarks	
10:20	11.07.24	S	1				BH01		4'								x						
10:25	11.07.24	S	1		,		BH01	2	6'								x				l		
10:30	11.07.24	S	1				BH01	3	8'								x						
10:35	11.07.24	Ş	1				BH01	4	10'								×						
10:40	11.07.24	S	1	·			BH01	5	12'								×						
10:45	11.07.24	S	1				BH01	6	14'								х						
10:50	11.07.24	s	1				BH01	7	16'								х						
10:55	11.07.24	s	1		·		BH01	8	18'								х						
11:00	11.07.24	Ş	1				BH01	9	20'								х						
11:05	11.07.24	s	1				BH01	10	22'								x						
Addition	el Instruc	tions:																				_	
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Relinquishe	Hut	2	Date	7/24	Time 20	:00	Michelle Gonzales	Date	4	Time	סטכ		Rece	ived	on ic	e:	G)	b Us	ie On	lý			
Relinquishe	ed by Signa	gure)	Date		Time 4		Received by: Signature)	Date 11-12.		Time	140		т1				T2		(3) (3)		тз		
Relinguishe			Date		Time 74	ዕለ	Received by Signature	Date 2	24	4:	45	-	AVG	Terr	o°C	4							
Sample Matr	ix; S - Soil. Sd	- Solid. Se - 1		ueous, Q - Ol		<u>~v</u> .		Containe		g - gla	SS. 10						elass	v - V	OA	2 2 2 2 2 4	se rakin dik <u>i</u> n	<u>0.1930.0] 88-203</u>	
						less oth	er arrangements are made. Hazardous													eport	for the ana	ysis of the	above
				-			h this COC. The liability of the laborator	-					-				-			-			



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Page 38 of 41

Project Information

	,	Page 39 of 41	

Client: W	PX Energy	Permiar	, LLC.		<\\\			Bill To		6.95		La	b Use	Only	7	i. 1561.	25	-		TA	\T		EPA Pr	ogram
	st Pecos 22-3			hering Line		Atten	tion: Jim I	Raley		Lab	VO#			A dol	lumi	er		1D	2D	3D	Sta	ndard	CWA	SDWA
	lanager: A							Buena Vista Dr.		7E4	Y9# ₁	13	. 13	DIO	28.	000	7				5 d	ay TAT		
Address:	13000 W	County R	d 100			City, 9	itate, Zip:	Carlsbad, NM, 8	8220				- 4	Inalys	is an	d Met	thod							RCRA
City, Stat	e, Zip_Od	essa,TX, T	79765			Phone	e: 575-88 ¹	5-7502	· · · · · ·		[~]											4.		
Phone: 4	32-305-64	15				Email	: jim.raley	/@dvn.com			2												State	
Email: De	von-team	@eteche	nv.com			WO:	21255735	i]	ĕ											NM CO	UT AZ	TX
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G-II	. L F.J .	. 			5 AC (V)					1	ORO,	12	8	ᇊ	8	ļ	Anlon	Σ		اعا		- 1	1	
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID					Lab Number	Depth(ft.)	TPH GRO/DRO/DRO by 8015	BTEX by 802:	VOC by 8260	Metals 6010	Chloride 300.0	Ĕ	Cation/	верос		SDOC			Remarks	
11:10	11.07.24	s	1				вн01		11	24'								×						
11:15	11.07.24	s	1				BH01		12	26'								x						
11:20	11.07.24	S	1				BH01		13	28'								x						
11:25	11.07.24	\$	1				BH01		14	30'								x						
11:30	11.07.24	S	1				BH01		15	32'								x						
11:35	11.07.24	S	1			_	BHQ1	····	10	34'								x						
11:40	11.07.24	S	1				BH01		17	36'								×					<u></u>	
11:45	11.07.24	S	1				BH01		/7	38'								x						
11:50	11.07.24	5	1				BH01	. <u>-</u>	19	40'								×						
11:55	11.07.24	S	1	<u>-</u>			BH01		20	42'								x						
Addition	al Instruct	ilons:																						
				city of this san				vith or intentionally mis ampled by: FX	slabelling the sampi	location	١,											n ice the day the obsequent day		d ar received
Relinguishe	d by: (Signa	iture)	Date 11/	11/24	Time ZO:			(le Gengr	les 11-11-	24	Time	OOC	v	Rece	ived	on ic	e:	B	ab Us / N	e On	ly			
Mich	ed by: (Signa	7000	rles II.		Time コンぱり	F	VI I	(Signature)	Date L1 • 21	4.29	Time			T1								T3		
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Sample Matr	ix: S - Soil, 5d	- Solid, Sg -	Sludge, A - Ar	queous, O - Ot	her				Contain	⁄/¥ ре:	g - gla	\$\$, P	- poly	/plast	ic, a	3 - an	ıber g	glass,	v - V	OA				
								ents are made. Haza									clien	t expe	ense.	There	eport	for the ana	lysis of the	above



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Project li	ıformatio	n						Chain of (Custoc	ly												Page	3 of3
Project: Ea	/PX Energ st Pecos 22- Manager: 13000 W	3 Produced Anna Bye	d Water Gat	hering Line	107 171 171 174 175	Add	Bill To ention: Jim Raley ress: 5315 Buena Vista Dr. , State, Zip: Carlsbad, NM, 8822	20		\ \^}*\			e Onl Job 1 010 Analy:	SI.	DO0	1	1D	2D	TA 3D	T Standard 5 day TA	d CW/	A SDV	VA
City, Stat Phone: 4 Email: Do	te, Zip_Oo 32-305-6 evon-tean	lessa,TX, 415 n@etech	79765			Pho Ema WO	ne: 575-885-7502 nil: im.raley@dvn.com : 21255735 dent ID: nAB1614039576 and nAB	316166284 9 6	ft.)	PH GRG/ORO/ORO by BO15	y 8021			Chloride 300.0		Cation/ Anion	C NM		¥	NM (State CO UT /	₽	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID)			Läb Number	Oepth(ft.)	TPH GF	этех бу	VOC by 8260	Metals 6010	Chlorid	ξŒ	Cation,	верос		gooc		Rema	rks	
12:00	11.07.24	s	1				BH01	21	44'								x						
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I, (field sam)	al Instruction of collection	the validity					nat tampering with or Intentionally mislabe Sampled by; <u>FK</u>	iling the sample	location),										shed on ice the o		mpled or reci	thred
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Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above

samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. envirotech

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Printed: 11/13/2024 9:41:32AM

Envirotech Analytical Laboratory

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:	11/12/24	09:45		Work Order ID:	E411113
Phone:	(575) 200-6754	Date Logged In:	11/12/24	10:42		Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	11/18/24	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	<u>Courier</u>		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes			Comment	s/Resolution
Sample T	<u> urn Around Time (TAT)</u>						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
		temperature. 4	<u>~</u>				
	Container queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers'	9	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lat	· · ·	iers conceteu:	103				
	field sample labels filled out with the minimum info	ormation:					
	ample ID?	ination.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		No				
Sample P	<u>reservation</u>						
21. Does	the COC or field labels indicate the samples were pr	reserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborato	rv?	No				
	subcontract laboratory specified by the client and i	-	NA	Subcontract Lab	· NA		
	nstruction			540001111401 240			
Chefft II	<u>istruction</u>						

Date

Report to:
Anna Byers





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E411112

Job Number: 01058-0007

Received: 11/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/19/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 11/19/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411112

Date Received: 11/12/2024 9:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/12/2024 9:45:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	Reporteu:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/24 11:50

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH01 50'	E411112-01A Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 52'	E411112-02A Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 54'	E411112-03A Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH01 55'	E411112-04A Soil	11/07/24	11/12/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:50:41AM

BH01 50' E411112-01

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst:	IY		Batch: 2446058
Benzene	ND	0.0250	1		11/12/24	11/15/24	
Ethylbenzene	ND	0.0250	1		11/12/24	11/15/24	
Toluene	ND	0.0250	1		11/12/24	11/15/24	
o-Xylene	ND	0.0250	1		11/12/24	11/15/24	
p,m-Xylene	ND	0.0500	1		11/12/24	11/15/24	
Total Xylenes	ND	0.0250	1		11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		98.6 %	70-130		11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130		11/12/24	11/15/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst:	IY		Batch: 2446058
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		98.6 %	70-130		11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130		11/12/24	11/15/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst:	NV		Batch: 2446061
Diesel Range Organics (C10-C28)	ND	25.0	1		11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1		11/12/24	11/14/24	
Surrogate: n-Nonane		116 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst:	JM		Batch: 2446096
				!	11/13/24	11/13/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:50:41AM

BH01 52' E411112-02

- I	Reporting					
Result	Limit	Dıl	lution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2446058
ND	0.0250		1	11/12/24	11/15/24	
ND	0.0250		1	11/12/24	11/15/24	
ND	0.0250		1	11/12/24	11/15/24	
ND	0.0250		1	11/12/24	11/15/24	
ND	0.0500		1	11/12/24	11/15/24	
ND	0.0250		1	11/12/24	11/15/24	
	96.8 %	70-130		11/12/24	11/15/24	
	93.1 %	70-130		11/12/24	11/15/24	
	104 %	70-130		11/12/24	11/15/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2446058
ND	20.0		1	11/12/24	11/15/24	
	96.8 %	70-130		11/12/24	11/15/24	
	93.1 %	70-130		11/12/24	11/15/24	
	104 %	70-130		11/12/24	11/15/24	
mg/kg	mg/kg		Analyst:	NV		Batch: 2446061
ND	25.0		1	11/12/24	11/14/24	-
ND	50.0		1	11/12/24	11/14/24	
	114 %	50-200		11/12/24	11/14/24	
mg/kg	mg/kg		Analyst:	JM		Batch: 2446096
59.1	20.0		1	11/13/24	11/13/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 0.0250 MD 96.8 % 93.1 % 104 % mg/kg mg/kg ND 20.0 mg/kg mg/kg ND 25.0 ND 50.0 114 % mg/kg mg/kg mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 96.8 % 70-130 93.1 % 70-130 104 % 70-130 mg/kg mg/kg ND 20.0 96.8 % 70-130 93.1 % 70-130 104 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 114 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 96.8 % 70-130 93.1 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 96.8 % 70-130 70-130 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 114 % 50-200 mg/kg mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 96.8 % 70-130 11/12/24 93.1 % 70-130 11/12/24 104 % 70-130 11/12/24 96.8 % 70-130 11/12/24 96.8 % 70-130 11/12/24 93.1 % 70-130 11/12/24 93.1 % 70-130 11/12/24 104 % 70-130 11/12/24 104 % 70-130 11/12/24 104 % 70-130 11/12/24 ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/15/24 ND 0.0500 1 11/12/24 11/15/24 ND 0.0250 1 11/12/24 11/15/24 96.8 % 70-130 11/12/24 11/15/24 93.1 % 70-130 11/12/24 11/15/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/12/24 11/15/24 96.8 % 70-130 11/12/24 11/15/24 93.1 % 70-130 11/12/24 11/15/24 93.1 % 70-130 11/12/24 11/15/24 104 % 70-130 11/12/24 11/15/24 mg/kg mg/kg



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:50:41AM

BH01 54' E411112-03

Result			tion	Prepared	Analyzed	Notes
					Amaryzed	
mg/kg	mg/kg	1	Analyst:			Batch: 2446058
ND	0.0250	1		11/12/24	11/15/24	
ND	0.0250	1		11/12/24	11/15/24	
ND	0.0250	1		11/12/24	11/15/24	
ND	0.0250	1		11/12/24	11/15/24	
ND	0.0500	1		11/12/24	11/15/24	
ND	0.0250	1	l	11/12/24	11/15/24	
	97.3 %	70-130		11/12/24	11/15/24	
	97.3 %	70-130		11/12/24	11/15/24	
	104 %	70-130		11/12/24	11/15/24	
mg/kg	mg/kg	1	Analyst:	IY		Batch: 2446058
ND	20.0	1	l	11/12/24	11/15/24	
	97.3 %	70-130		11/12/24	11/15/24	
	97.3 %	70-130		11/12/24	11/15/24	
	104 %	70-130		11/12/24	11/15/24	
mg/kg	mg/kg	1	Analyst:	NV		Batch: 2446061
ND	25.0	1		11/12/24	11/14/24	
ND	50.0	1		11/12/24	11/14/24	
	112 %	50-200		11/12/24	11/14/24	
mg/kg	mg/kg		Analyst:	JM		Batch: 2446096
44.3	20.0	1		11/13/24	11/14/24	
	ND ND ND ND ND ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 97.3 % 97.3 % 104 % mg/kg mg/kg ND 20.0 97.3 % 104 % mg/kg mg/kg ND 25.0 ND 50.0 112 % mg/kg mg/kg mg/kg	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 97.3 % 70-130 97.3 % 70-130 104 % 70-130 mg/kg mg/kg ND 20.0 97.3 % 70-130 97.3 % 70-130 104 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 112 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 97.3 % 70-130 97.3 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 97.3 % 70-130 70-130 mg/kg mg/kg Analyst: ND 25.0 1 ND 25.0 1 ND 50.0 1 112 % 50-200 mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 97.3 % 70-130 11/12/24 97.3 % 70-130 11/12/24 104 % 70-130 11/12/24 97.3 % 70-130 11/12/24 97.3 % 70-130 11/12/24 97.3 % 70-130 11/12/24 104 % 70-130 11/12/24 104 % 70-130 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 mg/kg <td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/15/24 ND 0.0500 1 11/12/24 11/15/24 ND 0.0250 1 11/12/24 11/15/24 97.3 % 70-130 11/12/24 11/15/24 97.3 % 70-130 11/12/24 11/15/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/12/24 11/15/24 97.3 % 70-130 11/12/24 11/15/24 97.3 % 70-130 11/12/24 11/15/24 97.3 % 70-130 11/12/24 11/15/24 104 % 70-130 11/12/24 11/15/24 104 % 70-130</td>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/15/24 ND 0.0500 1 11/12/24 11/15/24 ND 0.0250 1 11/12/24 11/15/24 97.3 % 70-130 11/12/24 11/15/24 97.3 % 70-130 11/12/24 11/15/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/12/24 11/15/24 97.3 % 70-130 11/12/24 11/15/24 97.3 % 70-130 11/12/24 11/15/24 97.3 % 70-130 11/12/24 11/15/24 104 % 70-130 11/12/24 11/15/24 104 % 70-130



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:50:41AM

BH01 55' E411112-04

- I	Reporting					
Result	Limit	Dil	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2446058
ND	0.0250		1	11/12/24	11/15/24	
ND	0.0250		1	11/12/24	11/15/24	
ND	0.0250		1	11/12/24	11/15/24	
ND	0.0250		1	11/12/24	11/15/24	
ND	0.0500		1	11/12/24	11/15/24	
ND	0.0250		1	11/12/24	11/15/24	
	97.4 %	70-130		11/12/24	11/15/24	
	97.8 %	70-130		11/12/24	11/15/24	
	104 %	70-130		11/12/24	11/15/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2446058
ND	20.0		1	11/12/24	11/15/24	
	97.4 %	70-130		11/12/24	11/15/24	
	97.8 %	70-130		11/12/24	11/15/24	
	104 %	70-130		11/12/24	11/15/24	
mg/kg	mg/kg		Analyst:	NV		Batch: 2446061
ND	25.0		1	11/12/24	11/14/24	
ND	50.0		1	11/12/24	11/14/24	
	116 %	50-200		11/12/24	11/14/24	
mg/kg	mg/kg		Analyst	JM		Batch: 2446096
38.0	20.0		1	11/13/24	11/14/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 97.4 % 97.8 % 104 % 104 % mg/kg mg/kg ND 20.0 97.4 % 97.8 % 104 % 104 % mg/kg mg/kg ND 25.0 ND 50.0 116 % mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 97.4 % 70-130 97.8 % 70-130 104 % 70-130 mg/kg mg/kg ND 20.0 97.8 % 70-130 104 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 97.4 % 70-130 97.8 % 70-130 104 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 97.8 % 70-130 1 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 116 % 50-200 mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 97.4 % 70-130 11/12/24 97.8 % 70-130 11/12/24 104 % 70-130 11/12/24 97.4 % 70-130 11/12/24 97.8 % 70-130 11/12/24 97.8 % 70-130 11/12/24 104 % 70-130 11/12/24 104 % 70-130 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 Mg/kg <td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/15/24 ND 0.0500 1 11/12/24 11/15/24 ND 0.0250 1 11/12/24 11/15/24 97.4 % 70-130 11/12/24 11/15/24 97.8 % 70-130 11/12/24 11/15/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/12/24 11/15/24 97.8 % 70-130 11/12/24 11/15/24 97.8 % 70-130 11/12/24 11/15/24 97.8 % 70-130 11/12/24 11/15/24 104 % 70-130 11/12/24 11/15/24 104 % 70-130</td>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/15/24 ND 0.0500 1 11/12/24 11/15/24 ND 0.0250 1 11/12/24 11/15/24 97.4 % 70-130 11/12/24 11/15/24 97.8 % 70-130 11/12/24 11/15/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/12/24 11/15/24 97.8 % 70-130 11/12/24 11/15/24 97.8 % 70-130 11/12/24 11/15/24 97.8 % 70-130 11/12/24 11/15/24 104 % 70-130 11/12/24 11/15/24 104 % 70-130



WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/19/2024 11:50:41AM

Carlsbad NM, 88220		Project Manage	r: Aı	nna Byers				11/	19/2024 11:50:41AN
	Vo	olatile Organ	ic Compo	unds by EI	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446058-BLK1)							Prepared: 1	1/12/24 Ana	lyzed: 11/15/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.6	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			
LCS (2446058-BS1)							Prepared: 1	1/12/24 Ana	lyzed: 11/15/24
Benzene	2.46	0.0250	2.50		98.6	70-130			
Ethylbenzene	2.66	0.0250	2.50		107	70-130			
Toluene	2.60	0.0250	2.50		104	70-130			
o-Xylene	2.74	0.0250	2.50		109	70-130			
o,m-Xylene	5.53	0.0500	5.00		111	70-130			
Total Xylenes	8.27	0.0250	7.50		110	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			
LCS Dup (2446058-BSD1)							Prepared: 1	1/12/24 Ana	lyzed: 11/15/24
Benzene	2.45	0.0250	2.50		97.8	70-130	0.794	23	
Ethylbenzene	2.68	0.0250	2.50		107	70-130	0.599	27	
Toluene	2.60	0.0250	2.50		104	70-130	0.192	24	
o-Xylene	2.78	0.0250	2.50		111	70-130	1.56	27	
o,m-Xylene	5.64	0.0500	5.00		113	70-130	1.92	27	
Total Xylenes	8.42	0.0250	7.50		112	70-130	1.80	27	
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
-									

0.500

0.512

70-130

102



Surrogate: Toluene-d8

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/19/2024 11:50:41AM

Nonhalogenated Organics by EPA 8015D - O	GRO
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	**
Analyst:	. 1

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

Blank (2446058-BLK1)						Prepared: 11	/12/24 Ana	lyzed: 11/15/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.496		0.500	99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500	91.6	70-130			
Surrogate: Toluene-d8	0.517		0.500	103	70-130			
LCS (2446058-BS2)						Prepared: 11	/12/24 Ana	alyzed: 11/15/24
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	109	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500	99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500	95.0	70-130			
Surrogate: Toluene-d8	0.534		0.500	107	70-130			
LCS Dup (2446058-BSD2)						Prepared: 11	/12/24 Ana	alyzed: 11/15/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	108	70-130	0.548	20	
Surrogate: Bromofluorobenzene	0.501		0.500	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500	96.1	70-130			
Surrogate: Toluene-d8	0.529		0.500	106	70-130			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:50:41AM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				11	1/19/2024 11:50:41A
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446061-BLK1)							Prepared: 1	1/12/24 An	alyzed: 11/13/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.1		50.0		108	50-200			
LCS (2446061-BS1)							Prepared: 11	1/12/24 An	alyzed: 11/13/24
Diesel Range Organics (C10-C28)	264	25.0	250		105	38-132			
Surrogate: n-Nonane	54.7		50.0		109	50-200			
Matrix Spike (2446061-MS1)				Source:	E411114-0)1	Prepared: 11	1/12/24 An	alyzed: 11/14/24
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	54.6		50.0		109	50-200			
Matrix Spike Dup (2446061-MSD1)				Source:	E411114-0)1	Prepared: 11	1/12/24 An	alyzed: 11/14/24
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132	0.0562	20	
Surrogate: n-Nonane	54.1		50.0		108	50-200			

LCS Dup (2446096-BSD1)

Chloride

Prepared: 11/13/24 Analyzed: 11/13/24

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220			East Pecos 22-3 Produced Water Gathering Line 01058-0007 Anna Byers			1	Reported: 11/19/2024 11:50:41AM		
	Anions	by EPA	300.0/9056 <i>A</i>	A				Analyst: JM	
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
						Prepared: 1	1/13/24 A	nalyzed: 11/13/24	
ND	20.0								
						Prepared: 1	1/13/24 A	nalyzed: 11/13/24	
253	20.0	250		101	90-110				
	mg/kg ND	Project Manager Anions Reporting Limit mg/kg mg/kg ND 20.0	Project Number: 0. Project Manager: A Anions by EPA 3 Reporting Spike Limit Level mg/kg mg/kg mg/kg ND 20.0	Project Number: 01058-0007 Project Manager: Anna Byers Anions by EPA 300.0/9056A Reporting Spike Source Result Limit Level Result mg/kg mg/kg mg/kg mg/kg ND 20.0	Project Number: 01058-0007 Project Manager: Anna Byers Anions by EPA 300.0/9056A Reporting Spike Source Limit Level Result Rec mg/kg mg/kg mg/kg mg/kg % ND 20.0	Project Number: 01058-0007 Project Manager: Anna Byers Anions by EPA 300.0/9056A Reporting Spike Source Rec Limits Level Result Rec Limits mg/kg mg/kg mg/kg mg/kg % % ND 20.0	Project Number: 01058-0007 Project Manager: Anna Byers Anions by EPA 300.0/9056A Result Result Limit Level Result Rec Limits RPD mg/kg mg/kg mg/kg % % % Prepared: 1 ND 20.0 Prepared: 1	Project Number: 01058-0007 Project Manager: Anna Byers Anions by EPA 300.0/9056A Reporting Spike Source Rec Limits RPD Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg % % % % % % Prepared: 11/13/24 A ND 20.0 Prepared: 11/13/24 A	

250

20.0

101

90-110

0.275

252

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:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/24 11:50

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

Chain	of	Custody
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	Pag	e:	1of1_	Receiv
1	ogra SD'	m WA		Received by OCD: 9/8/2025 10:49:32 AM
	RC	RA)CD: 9
	TX			/8/202
		:		5 10:4
				9:32 A
			ļ	=

Client: W	PX Energy	Permian	ı, LÜC.			Bill To		18.8	i Gran	Lal	Use	2 Onl	γ	1.7	14,00			TA	AT	EPA P	rogram
				hering Line		Attention: Jim Raley		Lab V	VO#	12		Job I	Num	ber		1D	2D	3D		CWA	SDWA
Project M	lanager: A	lnna Byei	rs			Address: 5315 Buena Vista Dr.		E٩	Ш	12		do							5 day TAT		
Address:						City, State, Zip: Carlsbad, NM, 88	8220					Analy:	sis an	d Me	thod					<u> </u>	RCRA
City, Stat			79765			Phone: 575-885-7502			[v,]								1	1		<u></u>	
Phone: 4	32-305-64	15			142	Email: jim.raley@dyn.com			8					!			1			State	
Emall: De	von-team	@eteche	nv.com			WO: 21255735	=.:		8										NM CO	UT AZ	TX
Collected	by: Edyte	e Konan				Incident ID: nAB1614039576 and r	nAB1616628496	E E	TPH GRO/DRO/ORO by 8015	, 8021	8260	6010	Chloride 300.0		Anton	C NM		¥	l 🗼		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ftt.)	TPHGR	8TEX by 8021	VOC by 8260	Metals 6010	Chlorid	ξĒ	Cation/ Anton	30098		GDOC		Remarks	
12:15	11.07.24	S	1			ВН01	1	50'								x					
12:20	11.07.24	s	1			вно1	2	52'								х					
12:25	11.07.24	S	1	_		BH01	3	54'								x					
12:30	11.07.24	\$	1			BH01	4	55'								x					
						11112024															
						MIN Zo								L							
					سر سده دسه																
									<u></u>								i				
Addition	ai Instruc	tions:																			
date or time	of collection	is considered		icity of this san nay be grounds	-	ware that tampering with or intentionally mist tion. <u>Sampled by: EK</u>	isbelling the sample i	ocation	, 		:								ceived on ice the day 5°C on subsequent d		ed or received
Relinquishe	7	<u> </u>	Date)/,	11/24	ZD10		lec II-II-	14	Time	oo<)	Rece	lved	on i	ce:			se On	ıly		
Relinguishe	d by: (Signa	ppre) 71 0 m 2 m	les II-		Tome 1740	Received by: (Signature)	Date 1/-/2-	ાપ	Time	740		T1				<u>T2</u>			J3		
Relinquished by (Signature) Date Time Regelved by: (Signature) Date 11-12-24 Date Regelved by: (Signature) Date 11-12-24 Date Regelved by: (Signature) Date Date					~ Date -	24	" ":	45	_	AVG	Ten	ъp°C	•								
	ix: S - Soil, Sd	- Solid, Sg · S		queous, O · Ot	her	-	Container	Type:	g - gla	55, p -	poly	//plas	tic, a	g - ar	nber	glass,	v-V	OA			
						is other arrangements are made. Hazai	rdous samples will	be reti	nued :	to clier	nt or	dispos	ed of	at the					eport for the an	alysis of the	apove
samples is a	mples 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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Printed: 11/13/2024 9:40:17AM

Envirotech Analytical Laboratory

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:	11/12/24 ()9:45		Work Order ID:	E411112
Phone:	(575) 200-6754	Date Logged In:	11/12/24	10:37		Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	11/18/24	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	he sample ID match the COC?		Yes				
	he number of samples per sampling site location mat	ch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was th	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	currer. <u>ec</u>	<u> </u>		
	Il samples received within holding time?	•	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion			_		Comment	s/Resolution
Sample 7	<u> [urn Around Time (TAT)</u>						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e 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				
	the sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes				
	•	temperature. 4	<u>C</u>				
	Container queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field La		ers conected:	168				
•	field sample labels filled out with the minimum info	rmation:					
	ample ID?	mation.	Yes				
	Pate/Time Collected?		Yes	L			
C	follectors name?		No				
Sample 1	Preservation_						
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are s	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	e?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subconti	act Laboratory						
	amples required to get sent to a subcontract laborator	v?	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab:	NΔ		
		30 111101	1,12	Subcontract Lab.	1471		
CHERT	nstruction_						

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Date

Report to:
Anna Byers







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos

East Pecos 22-3 Produced Water

Gathering Line

Work Order:

E411065

Job Number:

01058-0007

Received:

11/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/13/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 11/13/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411065

Date Received: 11/7/2024 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/7/2024 7:30:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Donortod
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/13/24 09:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 16'	E411065-01A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH02 18'	E411065-02A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH02 20'	E411065-03A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH02 22'	E411065-04A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH02 24'	E411065-05A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH02 26'	E411065-06A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH02 28'	E411065-07A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH02 30'	E411065-08A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH02 32'	E411065-09A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH02 34'	E411065-10A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH02 36'	E411065-11A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH02 38'	E411065-12A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH02 40'	E411065-13A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH02 42'	E411065-14A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH02 44'	E411065-15A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH02 46'	E411065-16A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH02 48'	E411065-17A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/13/2024 9:16:57AM

BH02 16' E411065-01

		E-111003-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2445096
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		95.3 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2445096
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2445125
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24	
Surrogate: n-Nonane		104 %	50-200	11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2445142
Chloride	2380	20.0	1	11/08/24	11/11/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/13/2024 9:16:57AM

BH02 18'

		E411065-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2445096
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2445096
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2445125
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24	
Surrogate: n-Nonane		98.8 %	50-200	11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: DT		Batch: 2445142
Chloride	1620	20.0	1	11/08/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/13/2024 9:16:57AM

BH02 20'

		E411065-03				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2445096
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2445096
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2445125
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24	
Surrogate: n-Nonane		88.8 %	50-200	11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2445142
Chloride	1430	20.0	1	11/08/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/13/2024 9:16:57AM

BH02 22'

E411065-04

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2445096
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2445096
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: NV		Batch: 2445125
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24	
Surrogate: n-Nonane		101 %	50-200	11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: DT		Batch: 2445142
Chloride	1820	20.0	1	11/08/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/13/2024 9:16:57AM

BH02 24' E411065-05

		E411003-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2445096
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2445096
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2445125
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24	
Surrogate: n-Nonane		98.1 %	50-200	11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2445142
Chloride	1430	20.0	1	11/08/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/13/2024 9:16:57AM

BH02 26'

		E411065-06				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2445096
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2445096
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2445125
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24	
Surrogate: n-Nonane		98.4 %	50-200	11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2445142
Chloride	1100	20.0	1	11/08/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/13/2024 9:16:57AM

BH02 28'

E411065-07						
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2445096
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2445096
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2445125
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24	
Surrogate: n-Nonane		101 %	50-200	11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2445142
Chloride	1160	40.0	2	11/08/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/13/2024 9:16:57AM

BH02 30'

		E411065-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2445096
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2445096
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2445125
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24	
Surrogate: n-Nonane		100 %	50-200	11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2445142
Chloride	1150	40.0	2	11/08/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/13/2024 9:16:57AM

BH02 32'

E411065-09

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2445096
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2445096
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.6 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2445125
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24	
Surrogate: n-Nonane		100 %	50-200	11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2445142
Chloride	1340	100	5	11/08/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/13/2024 9:16:57AM

BH02 34' E411065-10

		E411005-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2445096
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2445096
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2445125
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24	
Surrogate: n-Nonane		97.5 %	50-200	11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2445142
Chloride	1700	20.0	1	11/08/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/13/2024 9:16:57AM

BH02 36'

E411065-11						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2445096
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2445096
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2445125
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24	
Surrogate: n-Nonane		99.1 %	50-200	11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2445142
Chloride	1310	20.0	1	11/08/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/13/2024 9:16:57AM

BH02 38'

E411065-12							
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2445096	
Benzene	ND	0.0250	1	11/07/24	11/11/24		
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24		
Toluene	ND	0.0250	1	11/07/24	11/11/24		
o-Xylene	ND	0.0250	1	11/07/24	11/11/24		
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24		
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24		
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	11/07/24	11/11/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2445096	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	11/07/24	11/11/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2445125	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24		
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24		
Surrogate: n-Nonane		106 %	50-200	11/07/24	11/08/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2445142	
Chloride	1280	20.0	1	11/08/24	11/11/24		



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/13/2024 9:16:57AM

BH02 40'

		E411065-13						
Reporting								
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	nalyst: BA		Batch: 2445096		
Benzene	ND	0.0250	1	11/07/24	11/11/24			
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24			
Toluene	ND	0.0250	1	11/07/24	11/11/24			
o-Xylene	ND	0.0250	1	11/07/24	11/11/24			
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24			
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24			
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	11/07/24	11/11/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	nalyst: BA		Batch: 2445096		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	11/07/24	11/11/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	nalyst: NV		Batch: 2445125		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24			
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24			
Surrogate: n-Nonane		98.5 %	50-200	11/07/24	11/08/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	nalyst: DT		Batch: 2445142		
Chloride	1040	20.0	1	11/08/24	11/11/24			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/13/2024 9:16:57AM

BH02 42'

		E411065-14				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2445096
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2445096
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2445125
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24	
Surrogate: n-Nonane		102 %	50-200	11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2445142
Chloride	1090	20.0	1	11/08/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/13/2024 9:16:57AM

BH02 44'

		E411065-15							
Reporting									
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes			
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2445096			
Benzene	ND	0.0250	1	11/07/24	11/11/24				
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24				
Toluene	ND	0.0250	1	11/07/24	11/11/24				
o-Xylene	ND	0.0250	1	11/07/24	11/11/24				
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24				
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24				
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	11/07/24	11/11/24				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2445096			
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24				
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.6 %	70-130	11/07/24	11/11/24				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2445125			
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24				
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24				
Surrogate: n-Nonane		97.7 %	50-200	11/07/24	11/08/24				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: DT		Batch: 2445142			
Chloride	336	20.0	1	11/08/24	11/11/24				



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/13/2024 9:16:57AM

BH02 46' E411065-16

		E411005-10				
Austra	Result	Reporting Limit	Dilution	Dunnand	A	Notes
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2445096
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2445096
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2445125
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24	
Surrogate: n-Nonane		101 %	50-200	11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2445142
Chloride	375	20.0	1	11/08/24	11/11/24	·



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/13/2024 9:16:57AM

BH02 48'

		E411065-17						
Reporting								
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2445096		
Benzene	ND	0.0250	1	11/07/24	11/11/24			
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24			
Toluene	ND	0.0250	1	11/07/24	11/11/24			
o-Xylene	ND	0.0250	1	11/07/24	11/11/24			
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24			
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24			
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	11/07/24	11/11/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2445096		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	11/07/24	11/11/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2445125		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24			
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24			
Surrogate: n-Nonane		106 %	50-200	11/07/24	11/08/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2445142		
Chloride	349	20.0	1	11/08/24	11/11/24			



Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

WPX Energy - C	arlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista	a Dr	Project Number:	01058-0007	
Carlsbad NM, 88	2220	Project Manager:	Anna Byers	11/13/2024 9:16:57AM

5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		.058-0007 nna Byers				1	1/13/2024 9:16:57AM		
Volatile Organics by EPA 8021B Analyst: BA											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2445096-BLK1)							Prepared: 1	1/07/24 An	alyzed: 11/11/24		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
o-Xylene	ND	0.0250									
p,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: 4-Bromochlorobenzene-PID	7.07		8.00		88.4	70-130					
LCS (2445096-BS1)							Prepared: 1	1/07/24 An	alyzed: 11/11/24		
Benzene	5.23	0.0250	5.00		105	70-130					
Ethylbenzene	5.07	0.0250	5.00		101	70-130					
Toluene	5.17	0.0250	5.00		103	70-130					
o-Xylene	5.05	0.0250	5.00		101	70-130					
p,m-Xylene	10.3	0.0500	10.0		103	70-130					
Total Xylenes	15.4	0.0250	15.0		103	70-130					
Surrogate: 4-Bromochlorobenzene-PID	7.35		8.00		91.9	70-130					
LCS Dup (2445096-BSD1)							Prepared: 1	1/07/24 An	alyzed: 11/11/24		
Benzene	5.14	0.0250	5.00		103	70-130	1.58	20			
Ethylbenzene	5.00	0.0250	5.00		99.9	70-130	1.53	20			
Toluene	5.09	0.0250	5.00		102	70-130	1.60	20			
o-Xylene	4.98	0.0250	5.00		99.6	70-130	1.39	20			
p,m-Xylene	10.2	0.0500	10.0		102	70-130	1.47	20			
Total Xylenes	15.2	0.0250	15.0		101	70-130	1.44	20			

70-130



QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr Carlsbad NM, 88220	Project Number: Project Manager:	01058-0007 Anna Byers	11/13/2024 9:16:57AM

Carlsbad NM, 88220		Project Manage	r: Ar	nna Byers				11	/13/2024 9:16:57
	Non	halogenated	Organics l	oy EPA 801	15D - G	RO			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445096-BLK1)							Prepared: 1	1/07/24 Ana	alyzed: 11/11/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			
LCS (2445096-BS2)							Prepared: 1	1/07/24 Ana	alyzed: 11/11/24
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0		91.6	70-130		-	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130			
LCS Dup (2445096-BSD2)							Prepared: 1	1/07/24 Ana	alyzed: 11/11/24
Gasoline Range Organics (C6-C10)	45.0	20.0	50.0		90.0	70-130	1.83	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			

QC Summary Data

5315 Buena Vista Dr Project Number: 01058-0007	WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
Carlsbad NM, 88220 Project Manager: Anna Byers 11/13/2024 9:10:3	Carlsbad NM, 88220	Project Number: Project Manager:	Anna Byers	11/13/2024 9:16:57AM

Carlsbad NM, 88220		Project Manager	r: Ar	na Byers				11	/13/2024 9:16:57AM
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2445125-BLK1)							Prepared: 1	1/07/24 An	alyzed: 11/08/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.9		50.0		85.9	50-200			
LCS (2445125-BS1)							Prepared: 1	1/07/24 An	alyzed: 11/08/24
Diesel Range Organics (C10-C28)	250	25.0	250		100	38-132			
Surrogate: n-Nonane	48.9		50.0		97.7	50-200			
LCS Dup (2445125-BSD1)							Prepared: 1	1/07/24 An	alyzed: 11/08/24
Diesel Range Organics (C10-C28)	241	25.0	250		96.3	38-132	3.89	20	
Surrogate: n-Nonane	48.2		50.0		96.4	50-200			

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager	0	East Pecos 22-3 11058-0007 Anna Byers	Produced	Water Ga	thering Lin	e	Reported: 11/13/2024 9:16:57AM
		Anions	by EPA	300.0/9056 <i>E</i>	4				Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2445142-BLK1)							Prepared:	11/08/24 A	analyzed: 11/11/24
Chloride	ND	20.0							
LCS (2445142-BS1)							Prepared:	11/08/24 A	analyzed: 11/11/24
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2445142-MS1)				Source:	E411065-0	06	Prepared:	11/08/24 A	analyzed: 11/11/24
Chloride	1490	20.0	250	1100	158	80-120			M4
Matrix Spike Dup (2445142-MSD1)				Source:	E411065-0	06	Prepared:	11/08/24 A	analyzed: 11/11/24
Chloride	1490	20.0	250	1100	157	80-120	0.168	20	M4

QC Summary Report Comment:

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



Definitions and Notes

ſ	WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Anna Byers	11/13/24 09:16

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

OCD:
9/8/2025
10:49:32
AM

lient: W	PX Energ	y Permiai	n, LLC.		Bill To		200		Lal						EPA P	rogram				
	st Pecos 22-			hering Line	Attention: Jim Raley		Lab V	VO#		-	Job N	lum			1D	2D	3D	Standard	CWA	SDWA
	/lanager:/				Address: 5315 Buena Vista Dr.		E4	110	45		010	58	-00X	7/				5 day TAT		1111
	13000 W				City, State, Zip: Carlsbad, NM, 8	88220				-	Analys	is an	d Me	thod						RCRA
	e, Zip_Od		79765		Phone: 575-885-7502			5												
	32-305-64				Email: jim.raley@dvn.com			801											State	
mail: D	evon-team	n@etech	env.com		WO: 21255735			o by	1						NM CO UT A					TX
					Incident ID: nAB1614039576 and	nAB1616628496		/OR				V-20			_					
allasta	lbu Edut	. Vanan						TPH GRO/DRO/ORO by 8015	021	09	10	Chloride 300.0		noir	Z		¥			
	by: Edyte	Ronan	r	r		1	(F.	RO/	by 8	VOC by 8260	Metals 6010	de 3		Cation/ Anion	20			×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	Depth(ft.	PH G	ВТЕХ	OCE	letal	hlori	TDS	ation	верос		GDOC	1	Remarks	
			**************************************	-		Number		-	m	>	2	0		3	<u>m</u>		0	-		
11:10	11.05.24	S	1		BH02	I = I	16'								Х					
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11:20	11.05.24	S	1		BH02	2	18'								Х					
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11:40	11.05.24	S	1		BH02	4	22'								х					
11:50	11.05.24	S	1		BH02	5	24'								х					
12:00	11.05.24	S	1		BH02		26'				\vdash				x					
12.00	11.05.24	3			BHOZ	0	20								^					
12:10	11.05.24	S	1		BH02	7	28'								х					
12:20	11.05.24	S	1		BH02	8	30'								х					
12:30	11.05.24	S	1		BH02	9	32'								х					
12:40	11.05.24	S	1		BH02	10	34'								х					
ddition	al Instruc	tions:																		
(5.11											[c===1=		-to-a the			tain man		eived on ice the day t	have see same	ad an examined
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Chain of Custody





Project Information

Page __2__ of __2_

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e	n	V		r	0	t	e	C	age 312 of 1081

Client: W	/PX Energ	y Permiar	n, LLC.	1	Bill To	1			La	b Us	e On	lv					TA	AT		EPA P	rogram
	st Pecos 22-			hering Line	Attention: Jim Raley		Lab V	NO#			Job	Num	ber	_	1D	2D	3D	Sta	ndard	CWA	SDWA
	ا Aanager: ا				Address: 5315 Buena Vista Dr.		E4	110	65		010	58	.000	17				5 d	ay TAT	F-77	
Address	13000 W	County F	Rd 100		City, State, Zip: Carlsbad, NM, 88	220			Analysis and Method								RCRA				
	te, Zip_Oc		79765		Phone: 575-885-7502			5													
	32-305-6				Email: jim.raley@dvn.com	0		801												State	
Email: D	evon-tean	n@eteche	env.com		WO: 21255735) by			1					1			NM CO	UT AZ	TX
					Incident ID: nAB1614039576 and n	AB1616628496		/ORC							000						
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	верос		GDOC				
12:50	11.05.24	S	1		BH02	11	36'								x						
13:00	11.05.24	S	1		BH02	12	38'								х						
13:10	11.05.24	S	1		BH02	13	40'								х						
13:20	11.05.24	S	1		BH02	14	42'								х						
13:30	11.05.24	S	1		BH02	15	44'	44' X													
13:40	11.05.24	S	1		BH02 16 46 X								· · · · · · · · · · · · · · · · · · ·								
13:50	11.05.24	S	1		BH02	17	48'								х						
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	ed by: (Signa		Date	Time	gal action. Sampled by: EK Received by: (Signature)	Date		Time			A COMPA						se On				
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Sample Mat	riv: S - Soil Sd	- Solid Sa	18 4	ueous, O - Other	COUL (Misses of Cares)	Container	A CONTRACTOR OF THE PARTY OF TH								alacc	. v . v	104				
					unless other arrangements are made. Hazaro			_		_								eport	for the ana	alysis of the	above
The second secon				1882 B. H.	pratory with this COC. The liability of the labor									- circi	.c cnp		1.10	-20161		,,,,,,	



Printed: 11/7/2024 9:38:34AM

Envirotech Analytical Laboratory

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:	11/07/24	07:30	Work Order ID:	E411065	
Phone:	(539) 573-4018	Date Logged In:	11/06/24	15:13	Logged In By:	Caitlin Mars	
Email:	devon-team@etechenv.com	Due Date:	11/15/24	17:00 (6 day TAT)			
							_
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: Courie	<u>er</u>		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes		Commen	ts/Resolution	
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes				
		temperature. 4	<u>c</u>				
Sample C	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NO NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	9	Yes				
	appropriate volume/weight or number of sample contain		Yes				
	· · · · · · · · · · · · · · · · · · ·	ners conecteu?	168				
Field Lab	ner field sample labels filled out with the minimum info	ormation:					
	ample ID?	ormation.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample P	reservation_						
21. Does t	the COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	imple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
Multipha	se Sample Matrix						
26. Does 1	the sample have more than one phase, i.e., multipha	ise?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
	imples required to get sent to a subcontract laborate	nrv?	No				
	subcontract laboratory specified by the client and i	•	NA	Subcontract Lab: NA			
		1 50 11101	- 1112	Subcontract East. 1471	<u>.</u>		
Client In	<u>struction</u>						_
							1
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							1
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Page 30 of 30

Date

Report to:
Anna Byers







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pe

East Pecos 22-3 Produced Water

Gathering Line

Work Order:

E411061

Job Number:

01058-0007

Received:

11/7/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 11/15/24

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

Date Reported: 11/15/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411061

Date Received: 11/7/2024 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/7/2024 7:30:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line 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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rainaschwanz@envirotech-inc.com

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Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	Reporteu.
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/24 10:26

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH02 50'	E411061-01A Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH02 52'	E411061-02A Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH02 54'	E411061-03A Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH02 55'	E411061-04A Soil	11/05/24	11/07/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 10:26:56AM

BH02 50' E411061-01

		L-111001-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2445094
Benzene	ND	0.0250	1	11/07/24	11/07/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/07/24	
Toluene	ND	0.0250	1	11/07/24	11/07/24	
o-Xylene	ND	0.0250	1	11/07/24	11/07/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/07/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/07/24	
Surrogate: 4-Bromochlorobenzene-PID		89.7 %	70-130	11/07/24	11/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: SL		Batch: 2445094
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	11/07/24	11/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2445105
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24	
Surrogate: n-Nonane		108 %	50-200	11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: DT		Batch: 2445136
Chloride	343	20.0	1	11/08/24	11/08/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 10:26:56AM

BH02 52'

		E411061-02					
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2445094	
Benzene	ND	0.0250	1	11/07/24	11/07/24		
Ethylbenzene	ND	0.0250	1	11/07/24	11/07/24		
Toluene	ND	0.0250	1	11/07/24	11/07/24		
o-Xylene	ND	0.0250	1	11/07/24	11/07/24		
p,m-Xylene	ND	0.0500	1	11/07/24	11/07/24		
Total Xylenes	ND	0.0250	1	11/07/24	11/07/24		
Surrogate: 4-Bromochlorobenzene-PID		88.6 %	70-130	11/07/24	11/07/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2445094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/07/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.6 %	70-130	11/07/24	11/07/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2445105	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24		
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24		
Surrogate: n-Nonane		112 %	50-200	11/07/24	11/08/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2445136	
Chloride	398	20.0	1	11/08/24	11/08/24		



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 10:26:56AM

BH02 54'

E411061-03								
Reporting								
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2445094		
Benzene	ND	0.0250	1	11/07/24	11/07/24			
Ethylbenzene	ND	0.0250	1	11/07/24	11/07/24			
Toluene	ND	0.0250	1	11/07/24	11/07/24			
o-Xylene	ND	0.0250	1	11/07/24	11/07/24			
p,m-Xylene	ND	0.0500	1	11/07/24	11/07/24			
Total Xylenes	ND	0.0250	1	11/07/24	11/07/24			
Surrogate: 4-Bromochlorobenzene-PID		90.1 %	70-130	11/07/24	11/07/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2445094		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/07/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	11/07/24	11/07/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2445105		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24			
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24			
Surrogate: n-Nonane		114 %	50-200	11/07/24	11/08/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2445136		
Chloride	404	20.0	1	11/08/24	11/08/24			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 10:26:56AM

BH02 55' E411061-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2445094
Benzene	ND	0.0250	1	11/07/24	11/07/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/07/24	
Toluene	ND	0.0250	1	11/07/24	11/07/24	
o-Xylene	ND	0.0250	1	11/07/24	11/07/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/07/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/07/24	
Surrogate: 4-Bromochlorobenzene-PID		89.0 %	70-130	11/07/24	11/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	mg/kg Analyst: SL			Batch: 2445094
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	11/07/24	11/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2445105
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24	
Surrogate: n-Nonane		115 %	50-200	11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2445136
Chloride	297	20.0	1	11/08/24	11/08/24	



Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 10:26:56AM

Carlsbad NM, 88220		Project Number: Project Manager:		nna Byers				11/	/15/2024 10:26:56AN
Volatile Organics by EPA 8021B Analyst: SL									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445094-BLK1)						I	Prepared: 1	1/07/24 Ana	alyzed: 11/07/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.09		8.00		88.6	70-130			
LCS (2445094-BS1)						I	Prepared: 11	1/07/24 Ana	lyzed: 11/07/24
Benzene	5.16	0.0250	5.00		103	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.3	70-130			
Toluene	5.09	0.0250	5.00		102	70-130			
p-Xylene	4.94	0.0250	5.00		98.9	70-130			
o,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.08		8.00		88.5	70-130			
LCS Dup (2445094-BSD1)						I	Prepared: 1	1/07/24 Ana	lyzed: 11/07/24
Benzene	5.17	0.0250	5.00		103	70-130	0.0881	20	
Ethylbenzene	4.98	0.0250	5.00		99.6	70-130	0.338	20	
Toluene	5.10	0.0250	5.00		102	70-130	0.321	20	
-Xylene	5.00	0.0250	5.00		100	70-130	1.18	20	
p,m-Xylene	10.1	0.0500	10.0		101	70-130	0.479	20	
Total Xylenes	15.2	0.0250	15.0		101	70-130	0.711	20	



Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	_
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 10:26:56AM

Carlsbad NM, 88220		Project Manage		nna Byers				11/1	5/2024 10:26:56AM
	Non	halogenated	Organics l	by EPA 80	15D - G	RO			Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445094-BLK1)						F	repared: 1	1/07/24 Analy	zed: 11/07/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.3	70-130			
LCS (2445094-BS2)						F	repared: 11	1/07/24 Analy	zed: 11/07/24
Gasoline Range Organics (C6-C10)	42.5	20.0	50.0		85.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130			
LCS Dup (2445094-BSD2)						F	repared: 11	1/07/24 Analy	zed: 11/07/24
Gasoline Range Organics (C6-C10)	41.1	20.0	50.0		82.2	70-130	3.44	20	

70-130

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 10:26:56AM

Carlsbad NM, 88220		Project Manage	r: Ar	nna Byers					11/15/2024 10:26:56AM
	Nonha	Nonhalogenated Organics by EPA 8015D - DRO/ORO					Analyst: NV		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2445105-BLK1)							Prepared: 1	1/07/24 A	analyzed: 11/08/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.4		50.0		111	50-200			
LCS (2445105-BS1)							Prepared: 1	1/07/24 A	analyzed: 11/08/24
Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Surrogate: n-Nonane	55.7		50.0		111	50-200			
LCS Dup (2445105-BSD1)							Prepared: 1	1/07/24 A	analyzed: 11/08/24
Diesel Range Organics (C10-C28)	264	25.0	250		106	38-132	3.06	20	
Surrogate: n-Nonane	53.9		50.0		108	50-200			



QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name:		East Pecos 22-3 01058-0007	Produced	Water Ga	thering Lir	ne	Reported:	
Carlsbad NM, 88220	, and the same								11/15/2024 10:26:56AM	
		Anions	by EPA	300.0/9056	\				Analyst: DT	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2445136-BLK1)							Prepared:	11/08/24	Analyzed: 11/08/24	
Chloride	ND	20.0								
LCS (2445136-BS1)							Prepared:	11/08/24	Analyzed: 11/08/24	
Chloride	259	20.0	250		104	90-110				
Matrix Spike (2445136-MS1)				Source:	E411061-0)3	Prepared:	11/08/24	Analyzed: 11/08/24	
Chloride	679	20.0	250	404	110	80-120				
Matrix Spike Dup (2445136-MSD1)				Source:	E411061-0)3	Prepared:	11/08/24	Analyzed: 11/08/24	
Chloride	672	20.0	250	404	108	80-120	1.03	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:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/24 10:26

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

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	Pag	e:	1	of_	_1	Received by OCD: 9/8/2025 10:49:32 AM
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Client: W	PX Energy	y Permiar	n, LLC.		Bill To			DE.	La	b Us	e Onl	У		34.6			TA	T	EPA P	rogram
				thering Line	Attention: Jim Raley	La				Job Number			1D	2D	3D	Standard	CWA	SDWA		
	lanager: A				Address: 5315 Buena Vista Dr.		E4	110	61		OLD	58	100	7				5 day TAT		
	13000 W				City, State, Zip: Carlsbad, NM, 8822	20				514	Analy	sis an	d Me	thod						RCRA
	e, Zip_Od		79765		Phone: 575-885-7502	U.S. 10		5												
		-305-6415 Email: jim.raley@dvn.com					801											State		
Email: De	von-team	etech	env.com		WO: 21255735			O by										NM CC	UT AZ	TX
				1	Incident ID: nAB1614039576 and nAB	31616628496		/OR				l oe			_					
Collected	by: Edyte	e Konan					F.	O/DRO	, 8021	8260	6010	e 300.0		Anion	N		¥	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	втех ьу 802	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	BGDOC		GDOC		Remarks	
14:00	11.05.24	S	1		BH02	1	50'								х					
14:10	11.05.24	S	1		BH02	2	52'								х					
14:20	11.05.24	S	1		BH02	3	54'								х					
14:30	11.05.24	S	1		BH02	4	551								х					
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					612024															
		9		1110	6 2															
Addition	al Instruc	tions:	1																	
					am aware that tampering with or intentionally mislabe	elling the sample	location	,										ceived on ice the da		ed or received
				may be grounds for le		Inate		Time			essees	MIS-77KU	il College				se On			
	ed by: (Sign	_		106/24 26	:00 Viphelle Gonzale		4	0	600)	Rece	eived	on i	ce:		7/ N		iy		
Viliah	ed by: (Signe	jenga		624 16	Received by: (Signature)	Date 11.6.	24		8	00	T1				T2			<u>T3</u>		
Relinquishe	ed by: (Signa	ature)	Date		Received by: (Signature)	7 112	114	Time	7.30	3	AVG	Tem	np °C	4	/					
Sample Matr	ix: S - Soil, Sd	I - Solid, Sg -		queous, O - Other		Container	Type:	g - gla	ass, p				_	_		, v - V	OA			
					unless other arrangements are made. Hazardo									clien	t exp	ense.	The re	eport for the ar	alysis of the	above
samples is	applicable o	nly to thos	e samples r	received by the lab	oratory with this COC. The liability of the laborat	ory is limited to	the a	mount	paid	for or	the r	eport.								



envirotech 1081

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envirotech Inc.

Printed: 11/7/2024 9:18:44AM

Envirotech Analytical Laboratory

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:	11/07/24	07:30		Work Order ID:	E411061
Phone:	(539) 573-4018	Date Logged In:	11/06/24	14:39		Logged In By:	Caitlin Mars
Email:	devon-team@etechenv.com	Due Date:	11/15/24	17:00 (6 day TAT)			
	Custody (COC)						
	ne sample ID match the COC?	. 1 . 1 . 000	Yes				
	ne number of samples per sampling site location ma	ten the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	Courier		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes			<u>Comment</u>	s/Resolution
	Curn Around Time (TAT)		Yes				
	e COC indicate standard TAT, or Expedited TAT?		168				
7. Was a s	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
•	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
	were custody/security seals intact?		NA				
-	e sample received on ice? If yes, the recorded temp is 4°C.	ia 6°±2°C					
	Note: Thermal preservation is not required, if samples arminutes of sampling	e received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
	<u>Container</u>						
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers		Yes				
	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lat							
	field sample labels filled out with the minimum info ample ID?	ormation:	Yes				
	pate/Time Collected?		Yes				
	ollectors name?		Yes				
Sample P	<u>Preservation</u>						
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborato	rv?	No				
	subcontract laboratory specified by the client and i	-	NA	Subcontract Lab	o: NA		
	nstruction .						
CHEILI	isti uction						

Date

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

Report to:
Anna Byers





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: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E411046

Job Number: 01058-0007

Received: 11/6/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 11/12/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 11/12/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411046

Date Received: 11/6/2024 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/6/2024 7:30:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	Reporteu:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/12/24 16:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03 24'	E411046-01A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
BH03 26'	E411046-02A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
BH03 28'	E411046-03A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
BH03 30'	E411046-04A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
BH03 32'	E411046-05A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
BH03 34'	E411046-06A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
BH03 36'	E411046-07A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
BH03 38'	E411046-08A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
BH03 40'	E411046-09A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
BH03 42'	E411046-10A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
BH03 44'	E411046-11A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
BH03 46'	E411046-12A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
BH03 48'	E411046-13A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
BH03 50'	E411046-14A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/12/2024 4:23:32PM

BH03 24' E411046-01

		L-1110-10 01					
Analyte	Result	Reporting Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2445067
Benzene	ND	0.0250	1		11/06/24	11/11/24	
Ethylbenzene	ND	0.0250	1	l	11/06/24	11/11/24	
Toluene	ND	0.0250	1	l	11/06/24	11/11/24	
o-Xylene	ND	0.0250	1	l	11/06/24	11/11/24	
p,m-Xylene	ND	0.0500	1	l	11/06/24	11/11/24	
Total Xylenes	ND	0.0250	1	1	11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		108 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		106 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2445067
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		108 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		106 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2445075
Diesel Range Organics (C10-C28)	ND	25.0	1	1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	11/06/24	11/07/24	
Surrogate: n-Nonane		121 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2445073
Chloride	2060	40.0	2		11/06/24	11/06/24	•



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/12/2024 4:23:32PM

BH03 26' E411046-02

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		Reporting				
Analyte	Result	Limit	Dilut	tion Prepare	ed Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: BA		Batch: 2445067
Benzene	ND	0.0250	1	11/06/2	24 11/11/24	
Ethylbenzene	ND	0.0250	1	11/06/2	24 11/11/24	
Toluene	ND	0.0250	1	11/06/2	24 11/11/24	
o-Xylene	ND	0.0250	1	11/06/2	24 11/11/24	
p,m-Xylene	ND	0.0500	1	11/06/2	24 11/11/24	
Total Xylenes	ND	0.0250	1	11/06/2	24 11/11/24	
Surrogate: Bromofluorobenzene		107 %	70-130	11/06/2	24 11/11/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	11/06/2	24 11/11/24	
Surrogate: Toluene-d8		107 %	70-130	11/06/2	24 11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: BA		Batch: 2445067
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/2	24 11/11/24	
Surrogate: Bromofluorobenzene		107 %	70-130	11/06/2	24 11/11/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	11/06/2	24 11/11/24	
Surrogate: Toluene-d8		107 %	70-130	11/06/2	24 11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV		Batch: 2445075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/2	24 11/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/2	24 11/07/24	
Surrogate: n-Nonane		117 %	50-200	11/06/2	24 11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2445073
· · · · · · · · · · · · · · · · · · ·						

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/12/2024 4:23:32PM

BH03 28' E411046-03

Analyte	Result	Reporting Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2445067
Benzene	ND	0.0250		1	11/06/24	11/11/24	Batem 2 : 15 00 /
Ethylbenzene	ND	0.0250		1	11/06/24	11/11/24	
Toluene	ND	0.0250		1	11/06/24	11/11/24	
o-Xylene	ND	0.0250		1	11/06/24	11/11/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/11/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		106 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2445067
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		106 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2445075
Diesel Range Organics (C10-C28)	ND	25.0		1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		119 %	50-200		11/06/24	11/07/24	·
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2445073
Chloride	3140	40.0		2	11/06/24	11/06/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/12/2024 4:23:32PM

BH03 30' E411046-04

Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2445067
Benzene	ND	0.0250		1	11/06/24	11/11/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/11/24	
Toluene	ND	0.0250		1	11/06/24	11/11/24	
o-Xylene	ND	0.0250		1	11/06/24	11/11/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/11/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		105 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2445067
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		105 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2445075
Diesel Range Organics (C10-C28)	ND	25.0	_	1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		126 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2445073
Chloride	3380	40.0		2	11/06/24	11/06/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/12/2024 4:23:32PM

BH03 32' E411046-05

		E411040-05					
Analyte	Result	Reporting Limit	Dih	ution	Prepared	Analyzed	Notes
						7 mary 2ca	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst			Batch: 2445067
Benzene	ND	0.0250		1	11/06/24	11/11/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/11/24	
Toluene	ND	0.0250		1	11/06/24	11/11/24	
o-Xylene	ND	0.0250		1	11/06/24	11/11/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/11/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		108 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		106 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2445067
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		108 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		106 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2445075
Diesel Range Organics (C10-C28)	ND	25.0	•	1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		120 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2445073
Chloride	3250	100		5	11/06/24	11/06/24	·



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/12/2024 4:23:32PM

BH03 34' E411046-06

		2.11310 00					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Anaryte	Result	Limit	Dil	ution	Prepared	Anaryzed	INOTES
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: BA		Batch: 2445067
Benzene	ND	0.0250		1	11/06/24	11/11/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/11/24	
Toluene	ND	0.0250		1	11/06/24	11/11/24	
o-Xylene	ND	0.0250		1	11/06/24	11/11/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/11/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		109 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		105 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: BA		Batch: 2445067
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		109 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		105 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2445075
Diesel Range Organics (C10-C28)	ND	25.0	•	1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		119 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2445073
Chloride	1990	20.0		1	11/06/24	11/06/24	
Cinoriac	1770	20.0		-	11.00.21	11.00.21	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/12/2024 4:23:32PM

BH03 36' E411046-07

		E411040-07					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2445067
Benzene	ND	0.0250		1	11/06/24	11/11/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/11/24	
Toluene	ND	0.0250		1	11/06/24	11/11/24	
o-Xylene	ND	0.0250		1	11/06/24	11/11/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/11/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		108 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		106 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2445067
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		108 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		106 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2445075
Diesel Range Organics (C10-C28)	ND	25.0		1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0	İ	1	11/06/24	11/07/24	
Surrogate: n-Nonane		118 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2445073
Chloride	1850	20.0		1	11/06/24	11/06/24	<u> </u>



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/12/2024 4:23:32PM

BH03 38' E411046-08

	_	Reporting	_				
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: E	BA		Batch: 2445067
Benzene	ND	0.0250	1		11/06/24	11/11/24	
Ethylbenzene	ND	0.0250	1		11/06/24	11/11/24	
Toluene	ND	0.0250	1	l	11/06/24	11/11/24	
o-Xylene	ND	0.0250	1	Į.	11/06/24	11/11/24	
p,m-Xylene	ND	0.0500	1	Į.	11/06/24	11/11/24	
Total Xylenes	ND	0.0250	1		11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		106 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: E	BA		Batch: 2445067
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		106 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: N	1V		Batch: 2445075
Diesel Range Organics (C10-C28)	ND	25.0	1		11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	ļ	11/06/24	11/07/24	
Surrogate: n-Nonane		117 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: [DΤ		Batch: 2445073
Chloride	1780	20.0	1		11/06/24	11/06/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/12/2024 4:23:32PM

BH03 40' E411046-09

		211101000					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Anaryte	Result	Limit	Dil	ution	Prepared	Anaryzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: BA		Batch: 2445067
Benzene	ND	0.0250		1	11/06/24	11/11/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/11/24	
Toluene	ND	0.0250		1	11/06/24	11/11/24	
o-Xylene	ND	0.0250		1	11/06/24	11/11/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/11/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		107 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		106 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: BA		Batch: 2445067
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		107 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		106 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: NV		Batch: 2445075
Diesel Range Organics (C10-C28)	ND	25.0		1	11/06/24	11/07/24	_
Oil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		118 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2445073
Chloride	1640	20.0		1	11/06/24	11/06/24	
Cinoriae	1040	20.0			11/00/24	11/30/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/12/2024 4:23:32PM

BH03 42' E411046-10

Dl4	Reporting	Dil		D	A l	N-4
Result	Limit	Dil	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	: BA		Batch: 2445067
ND	0.0250		1	11/06/24	11/11/24	
ND	0.0250		1	11/06/24	11/11/24	
ND	0.0250		1	11/06/24	11/11/24	
ND	0.0250		1	11/06/24	11/11/24	
ND	0.0500		1	11/06/24	11/11/24	
ND	0.0250		1	11/06/24	11/11/24	
	105 %	70-130		11/06/24	11/11/24	
	94.0 %	70-130		11/06/24	11/11/24	
	105 %	70-130		11/06/24	11/11/24	
mg/kg	mg/kg		Analyst:	: BA		Batch: 2445067
ND	20.0		1	11/06/24	11/11/24	
	105 %	70-130		11/06/24	11/11/24	
	94.0 %	70-130		11/06/24	11/11/24	
	105 %	70-130		11/06/24	11/11/24	
mg/kg	mg/kg		Analyst:	: NV		Batch: 2445075
ND	25.0		1	11/06/24	11/07/24	
ND	50.0		1	11/06/24	11/07/24	
	118 %	50-200		11/06/24	11/07/24	
mg/kg	mg/kg		Analyst	: DT		Batch: 2445073
1630	20.0		1	11/06/24	11/06/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 I05 % 94.0 % 105 % 94.0 % 105 % 94.0 % 105 % 94.0 % 105 % 105 % mg/kg mg/kg ND 25.0 ND 50.0 118 % mg/kg mg/kg mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 105 % 70-130 94.0 % 70-130 105 % 70-130 mg/kg mg/kg ND 20.0 105 % 70-130 105 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 118 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 ND 70-130 1 94.0 % 70-130 70-130 mg/kg mg/kg Analyst ND 20.0 1 105 % 70-130 70-130 mg/kg mg/kg Analyst ND 25.0 1 ND 50.0 1 118 % 50-200 mg/kg Analyst	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 11/06/24 ND 0.0250 1 11/06/24 ND 0.0250 1 11/06/24 ND 0.0500 1 11/06/24 ND 0.0250 1 11/06/24 ND 0.0250 1 11/06/24 ND 70-130 11/06/24 94.0 % 70-130 11/06/24 105 % 70-130 11/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/06/24 105 % 70-130 11/06/24 94.0 % 70-130 11/06/24 105 % 70-130 11/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/06/24 ND 50.0 1 11/06/24 ND 50.0 1 11/06/24 <td< td=""><td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/06/24 11/11/24 ND 0.0500 1 11/06/24 11/11/24 ND 0.0250 1 11/06/24 11/11/24 ND 0.0250 1 11/06/24 11/11/24 105 % 70-130 11/06/24 11/11/24 94.0 % 70-130 11/06/24 11/11/24 105 % 70-130 11/06/24 11/11/24 94.0 % 70-130 11/06/24 11/11/24 105 % 70-130 11/06/24 11/11/24 94.0 % 70-130 11/06/24 11/11/24 105 % 70-130 11/06/24 11/10/24 105 %</td></td<>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/06/24 11/11/24 ND 0.0500 1 11/06/24 11/11/24 ND 0.0250 1 11/06/24 11/11/24 ND 0.0250 1 11/06/24 11/11/24 105 % 70-130 11/06/24 11/11/24 94.0 % 70-130 11/06/24 11/11/24 105 % 70-130 11/06/24 11/11/24 94.0 % 70-130 11/06/24 11/11/24 105 % 70-130 11/06/24 11/11/24 94.0 % 70-130 11/06/24 11/11/24 105 % 70-130 11/06/24 11/10/24 105 %



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/12/2024 4:23:32PM

BH03 44' E411046-11

D14			4:	D 1	A la d	N-4
Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst: B	A		Batch: 2445067
ND	0.0250	1	l	11/06/24	11/11/24	
ND	0.0250	1	l	11/06/24	11/11/24	
ND	0.0250	1	l	11/06/24	11/11/24	
ND	0.0250	1	I	11/06/24	11/11/24	
ND	0.0500	1	I	11/06/24	11/11/24	
ND	0.0250	1	l	11/06/24	11/11/24	
	106 %	70-130		11/06/24	11/11/24	
	96.5 %	70-130		11/06/24	11/11/24	
	105 %	70-130		11/06/24	11/11/24	
mg/kg	mg/kg		Analyst: B	A		Batch: 2445067
ND	20.0	1	l	11/06/24	11/11/24	
	106 %	70-130		11/06/24	11/11/24	
	96.5 %	70-130		11/06/24	11/11/24	
	105 %	70-130		11/06/24	11/11/24	
mg/kg	mg/kg		Analyst: N	V		Batch: 2445075
ND	25.0	1		11/06/24	11/07/24	
ND	50.0	1	<u> </u>	11/06/24	11/07/24	
	119 %	50-200		11/06/24	11/07/24	
mg/kg	mg/kg		Analyst: D	Т		Batch: 2445073
1580	20.0	1	<u> </u>	11/06/24	11/06/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IO6 % 96.5 % 105 % mg/kg MD 20.0 106 % 96.5 % 105 % mg/kg MD 25.0 ND 50.0 119 % mg/kg mg/kg mg/kg	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 106 % 70-130 96.5 % 70-130 105 % 70-130 mg/kg mg/kg ND 20.0 106 % 70-130 96.5 % 70-130 105 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 119 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: B ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0500 1 ND 0.0250 1 ND 70-130 1 96.5 % 70-130 70-130 mg/kg mg/kg Analyst: B ND 20.0 1 106 % 70-130 70-130 mg/kg mg/kg Analyst: N ND 25.0 1 ND 50.0 1 119 % 50-200 mg/kg Analyst: D	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 11/06/24 ND 0.0250 1 11/06/24 ND 0.0250 1 11/06/24 ND 0.0500 1 11/06/24 ND 0.0250 1 11/06/24 ND 0.0250 1 11/06/24 ND 70-130 11/06/24 96.5 % 70-130 11/06/24 105 % 70-130 11/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/06/24 106 % 70-130 11/06/24 96.5 % 70-130 11/06/24 105 % 70-130 11/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/06/24 ND 50.0 1 11/06/24 ND 50.0 1 11/06/24 <td< td=""><td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/06/24 11/11/24 ND 0.0500 1 11/06/24 11/11/24 ND 0.0250 1 11/06/24 11/11/24 ND 0.0250 1 11/06/24 11/11/24 106 % 70-130 11/06/24 11/11/24 105 % 70-130 11/06/24 11/11/24 105 % 70-130 11/06/24 11/11/24 105 % 70-130 11/06/24 11/11/24 105 % 70-130 11/06/24 11/11/24 105 % 70-130 11/06/24 11/11/24 105 % 70-130 11/06/24 11/10/24 105 % <t< td=""></t<></td></td<>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/06/24 11/11/24 ND 0.0500 1 11/06/24 11/11/24 ND 0.0250 1 11/06/24 11/11/24 ND 0.0250 1 11/06/24 11/11/24 106 % 70-130 11/06/24 11/11/24 105 % 70-130 11/06/24 11/11/24 105 % 70-130 11/06/24 11/11/24 105 % 70-130 11/06/24 11/11/24 105 % 70-130 11/06/24 11/11/24 105 % 70-130 11/06/24 11/11/24 105 % 70-130 11/06/24 11/10/24 105 % <t< td=""></t<>



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/12/2024 4:23:32PM

BH03 46' E411046-12

Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2445067
Benzene	ND	0.0250		1	11/06/24	11/11/24	Batem 2 : 15 00 /
Ethylbenzene	ND	0.0250		1	11/06/24	11/11/24	
Toluene	ND	0.0250		1	11/06/24	11/11/24	
o-Xylene	ND	0.0250		1	11/06/24	11/11/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/11/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		106 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		106 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: BA		Batch: 2445067
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		106 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		106 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: NV		Batch: 2445075
Diesel Range Organics (C10-C28)	ND	25.0		1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		121 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2445073
Chloride	1260	20.0		1	11/06/24	11/06/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/12/2024 4:23:32PM

BH03 48' E411046-13

		E411046-13					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: B	BA		Batch: 2445067
Benzene	ND	0.0250	1	Į.	11/06/24	11/11/24	
Ethylbenzene	ND	0.0250	1	l	11/06/24	11/11/24	
Toluene	ND	0.0250	1	Į.	11/06/24	11/11/24	
o-Xylene	ND	0.0250	1	Į.	11/06/24	11/11/24	
p,m-Xylene	ND	0.0500	1	l	11/06/24	11/11/24	
Total Xylenes	ND	0.0250	1		11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		104 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		107 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: B	BA		Batch: 2445067
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		104 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		107 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: N	IV		Batch: 2445075
Diesel Range Organics (C10-C28)	ND	25.0	1		11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	<u> </u>	11/06/24	11/07/24	
Surrogate: n-Nonane		113 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: D	DΤ		Batch: 2445073
Chloride	1250	20.0	1		11/06/24	11/06/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/12/2024 4:23:32PM

BH03 50' E411046-14

	_	Reporting	_				
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: E	ЗА		Batch: 2445067
Benzene	ND	0.0250	1		11/06/24	11/11/24	
Ethylbenzene	ND	0.0250	1	l	11/06/24	11/11/24	
Toluene	ND	0.0250	1	Į.	11/06/24	11/11/24	
o-Xylene	ND	0.0250	1		11/06/24	11/11/24	
p,m-Xylene	ND	0.0500	1		11/06/24	11/11/24	
Total Xylenes	ND	0.0250	1		11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		106 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		105 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: E	BA		Batch: 2445067
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	11/06/24	11/11/24	
Surrogate: Bromofluorobenzene		106 %	70-130		11/06/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130		11/06/24	11/11/24	
Surrogate: Toluene-d8		105 %	70-130		11/06/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: N	NV		Batch: 2445075
Diesel Range Organics (C10-C28)	ND	25.0	1		11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	ļ	11/06/24	11/07/24	
Surrogate: n-Nonane		115 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT				Batch: 2445073
Chloride	924	20.0	1		11/06/24	11/06/24	

QC Summary Data

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/12/2024 4:23:32PM

Carlsbad NM, 88220		Project Manager	:: A1	nna Byers				11/	12/2024 4:23:32PN
	Vo	olatile Organi	ic Compo	unds by EI	PA 82601	В			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445067-BLK1)							Prepared: 11	1/06/24 Anal	yzed: 11/11/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.2	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			
LCS (2445067-BS1)							Prepared: 1	1/06/24 Anal	yzed: 11/11/24
Benzene	2.08	0.0250	2.50		83.3	70-130			
Ethylbenzene	2.05	0.0250	2.50		81.9	70-130			
Toluene	2.09	0.0250	2.50		83.5	70-130			
o-Xylene	2.09	0.0250	2.50		83.7	70-130			
p,m-Xylene	4.18	0.0500	5.00		83.5	70-130			
Total Xylenes	6.27	0.0250	7.50		83.6	70-130			
Surrogate: Bromofluorobenzene	0.545		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			
LCS Dup (2445067-BSD1)							Prepared: 1	1/06/24 Anal	yzed: 11/11/24
Benzene	2.57	0.0250	2.50		103	70-130	20.9	23	
Ethylbenzene	2.50	0.0250	2.50		99.9	70-130	19.8	27	
Toluene	2.55	0.0250	2.50		102	70-130	20.1	24	
o-Xylene	2.56	0.0250	2.50		102	70-130	20.0	27	
p,m-Xylene	5.11	0.0500	5.00		102	70-130	20.1	27	
Total Xylenes	7.67	0.0250	7.50		102	70-130	20.1	27	
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			

0.500

0.500

97.4

70-130

70-130



Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

0.487

0.523

Surrogate: Toluene-d8

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/12/2024 4:23:32PM

5315 Buena Vista Dr		Project Number		nna Byers				11.	12/2024 4.22.22DM
Carlsbad NM, 88220		Project Manager				11/12/2024 4:23:32PM			
	Non	halogenated	Organics l	by EPA 80	15D - G	RO			Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2445067-BLK1)							Prepared: 1	1/06/24 Ana	lyzed: 11/11/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.2	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			
LCS (2445067-BS2)							Prepared: 1	1/06/24 Ana	lyzed: 11/12/24
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.2	70-130			
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			
LCS Dup (2445067-BSD2)							Prepared: 1	1/06/24 Ana	lyzed: 11/11/24
Gasoline Range Organics (C6-C10)	48.4	20.0	50.0		96.8	70-130	8.18	20	
Surrogate: Bromofluorobenzene	0.552		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			

0.500

0.535

107

70-130



QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/12/2024 4:23:32PM

Carlsbad NM, 88220		Project Manage	r: Ar	nna Byers				11	/12/2024 4:23:32PM
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445075-BLK1)							Prepared: 1	1/06/24 Ana	lyzed: 11/07/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.8		50.0		110	50-200			
LCS (2445075-BS1)							Prepared: 1	1/06/24 Ana	lyzed: 11/07/24
Diesel Range Organics (C10-C28)	271	25.0	250		109	38-132			
Surrogate: n-Nonane	58.4		50.0		117	50-200			
LCS Dup (2445075-BSD1)							Prepared: 1	1/06/24 Ana	lyzed: 11/07/24
Diesel Range Organics (C10-C28)	262	25.0	250		105	38-132	3.34	20	-
Surrogate: n-Nonane	55.9		50.0		112	50-200			



QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		East Pecos 22-3	Produced	ne	Reported:					
Carlsbad NM, 88220	3											
		Anions	by EPA	300.0/9056	4				Analyst: DT			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2445073-BLK1)							Prepared:	11/06/24	Analyzed: 11/06/24			
Chloride	ND	20.0										
LCS (2445073-BS1)							Prepared:	11/06/24	Analyzed: 11/06/24			
Chloride	254	20.0	250		102	90-110						
Matrix Spike (2445073-MS1)				Source:	E411046-0)6	Prepared:	11/06/24	Analyzed: 11/06/24			
Chloride	2230	20.0	250	1990	94.3	80-120						
Matrix Spike Dup (2445073-MSD1)			Source: E411046-06 Prepared: 1						11/06/24 Analyzed: 11/06/24			
Chloride	2180	20.0	250	1990	76.3	80-120	2.04	20	M4			

QC Summary Report Comment:

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



Definitions and Notes

ſ	WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Anna Byers	11/12/24 16:23

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project li	Chain of (Cust	ody													Page	1of _ a							
Client: V	/PX Energ	v Permiar	ı. LLC.		P. 5	3	Bill To		157	901743	Vij. 14.	Lab	Use	Only			· · ·			TAT		EPA F	rogram	1
	st Pecos 22-			thering Line	\dashv	Attent	tion: Jim Raley)#		1	ob Nu	mbe	r.	- 1	D 2			Standard	CWA	SDWA	1
	danager: /					Addre	4/1046 01					Job Number 1D 20						\top	5 day TAT			1		
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	te, Zip_Od		79765			Phone	: 575-885-7502		Γ		v, [Т									·		
	32-305-64				100	Email:				\$											State]	
Email: D	evon-team	n@eteche	env.com		_[]		1255735		1	- 1 :	ā		ļ						-		NM CO	UT AZ	<u>' TX </u>	
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Project Information

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Chain of Custody

2	2
Page _1_	of

Client: W	ent: WPX Energy Permian, LLC. Bill To									La	b Us	e On	v	M.C.	1278			TA	AT.		EPA P	rogram
	st Pecos 22-			hering Line		Attention: Jim Raley		Lab V	VO#			Job	-	ber		1D	2D	3D	Sta	andard	CWA	SDWA
Project N	Nanager: A	Anna Bye	rs			Address: 5315 Buena Vista Dr.		E4	110	46		010	58	000	7				5 0	day TAT		
Address:	13000 W	County F	Rd 100			City, State, Zip: Carlsbad, NM, 8	38220					Analy										RCRA
City, Stat	e, Zip_Od	essa,TX,	79765			Phone: 575-885-7502			10													
Phone: 4	32-305-64	115				Email: jim.raley@dvn.com			801												State	-
Email: De	evon-team	@etech	env.com		Series and	WO: 21255735	2	1	by											NM CO	UT AZ	TX
						ncident ID: nAB1614039576 and	nAB1616628496		ORG													
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Collected	by: Edyte	Konan						£	0/0	/ 80	826	601	e 30		Ani			1 1		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		1 10	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	ВТЕХ ЬУ 802	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	BGDOC		GDOC	1		Remarks	
13:40	11.04.24	S	1			вноз	11	44'								х						
13:50	11.04.24	S	1			BH03	12	46'								х						
14:00	11.04.24	S	1			BH03	13	48'								х						
14:10	11.04.24	S	1			вноз	14	50'								х						
										-												
					,) !	05/2024									-							
Addition	al Instruc	tions:																				
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	ed by: (Signa		Date		8:00	Received by: (Signature)	ales N-5-	14	Time	600)	Rece	eived	l on i	ce.		ab U)/ N	se On	ly			
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ample Mate	ix: S - Soil, Sd	- Solid, Sg -		queous, O - Othe	er er		Container	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
						other arrangements are made. Haza			_	_	_								eport	for the ana	lysis of the	above
and the same of th			TANK THE PARTY OF	Market Committee		with this COC. The liability of the lab	Annance and the property of the control of the party of									•						



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Printed: 11/6/2024 9:49:43AM

Envirotech Analytical Laboratory

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:	11/06/24	07:30	Work Order ID:	E411046
Phone:	(575) 200-6754	Date Logged In:	11/05/24 15:04		Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	11/14/24	17:00 (6 day TAT)		
Chain of	Custody (COC)					
			37			
	ne sample ID match the COC? ne number of samples per sampling site location mate	ch the COC	Yes			
	amples dropped off by client or carrier?	on the coc	Yes Yes	Comion Cornion		
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier: Courier		
	Il samples received within holding time?	ica anaryses.	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		103		Comment	s/Resolution
	<u> Curn Around Time (TAT)</u>					
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e 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			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes			
Sample C	Container					
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lal	pel					
•	field sample labels filled out with the minimum info	rmation:				
S	ample ID?		Yes			
	ate/Time Collected?		Yes			
	ollectors name?		Yes			
	<u>Preservation</u>	10				
	the COC or field labels indicate the samples were pro-	eserved?	No			
	ample(s) correctly preserved?	. 1.0	NA			
	filteration required and/or requested for dissolved m	etais?	No			
	se Sample Matrix					
	the sample have more than one phase, i.e., multiphas		No			
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcontr	act Laboratory					
	amples required to get sent to a subcontract laborator subcontract laboratory specified by the client and if	•	No NA	Subcontract Lab: NA		
Client I	<u>istruction</u>					

Date

Report to:
Anna Byers





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E411042

Job Number: 01058-0007

Received: 11/6/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/8/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 11/8/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411042

Date Received: 11/6/2024 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/6/2024 7:30:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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Client Representative

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Definitions and Notes		
Chain of Custody etc.		

Sample Summary

Γ	WPX Energy - Carlsbad	arlsbad Project Name: East		Reported:	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Keporteu.	
l	Carlsbad NM, 88220	Project Manager:	Anna Byers	11/08/24 14:00	

Client Sample ID	Lab Sample ID M	Matrix	Sampled	Received	Container
BH03 52'	E411042-01A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
BH03 54'	E411042-02A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/8/2024 2:00:17PM

BH03 52' E411042-01

	E411042-01				
Dagult	Reporting		Duamanad	Amalyzand	Notes
Result	Lillit	Dilution	Frepared	Anatyzeu	Notes
mg/kg	mg/kg	Ana	Analyst: SL		Batch: 2445057
ND	0.0250	1	11/06/24	11/06/24	
ND	0.0250	1	11/06/24	11/06/24	
ND	0.0250	1	11/06/24	11/06/24	
ND	0.0250	1	11/06/24	11/06/24	
ND	0.0500	1	11/06/24	11/06/24	
ND	0.0250	1	11/06/24	11/06/24	
	90.1 %	70-130	11/06/24	11/06/24	
mg/kg	mg/kg	Ana	Analyst: SL		Batch: 2445057
ND	20.0	1	11/06/24	11/06/24	
	92.9 %	70-130	11/06/24	11/06/24	
mg/kg	mg/kg	Ana	lyst: NV		Batch: 2445058
ND	25.0	1	11/06/24	11/06/24	
ND	50.0	1	11/06/24	11/06/24	
	87.2 %	50-200	11/06/24	11/06/24	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2445061
940	20.0	1	11/06/24	11/06/24	
	ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 mg/kg mg/kg MD 20.0 92.9 % mg/kg MD 25.0 ND 50.0 87.2 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 70-130 1 mg/kg mg/kg Ana ND 20.0 1 92.9 % 70-130 1 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 87.2 % 50-200 mg/kg mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 11/06/24 ND 0.0250 1 11/06/24 ND 0.0250 1 11/06/24 ND 0.0500 1 11/06/24 ND 0.0250 1 11/06/24 ND 70-130 11/06/24 mg/kg mg/kg Analyst: SL ND 20.0 1 11/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/06/24 ND 50.0 1 11/06/24 ND 50.0 1 11/06/24 87.2 % 50-200 11/06/24 mg/kg mg/kg Analyst: DT	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 11/06/24 11/06/24 ND 0.0250 1 11/06/24 11/06/24 ND 0.0250 1 11/06/24 11/06/24 ND 0.0500 1 11/06/24 11/06/24 ND 0.0250 1 11/06/24 11/06/24 ND 0.0250 1 11/06/24 11/06/24 Mg/kg mg/kg Analyst: SL ND 11/06/24 11/06/24 Mg/kg mg/kg Analyst: SL ND 11/06/24 11/06/24 11/06/24 Mg/kg mg/kg Analyst: NV ND 25.0 1 11/06/24 11/06/24 11/06/24 ND 25.0 1 11/06/24 11/06/24 11/06/24 11/06/24 11/06/24 11/06/24 11/06/24 ND 50.0 1 11/06/24 11

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/8/2024 2:00:17PM

BH03 54' E411042-02

	1.411042 02				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: SL		Batch: 2445057
ND	0.0250	1	11/06/24	11/06/24	
ND	0.0250	1	11/06/24	11/06/24	
ND	0.0250	1	11/06/24	11/06/24	
ND	0.0250	1	11/06/24	11/06/24	
ND	0.0500	1	11/06/24	11/06/24	
ND	0.0250	1	11/06/24	11/06/24	
	89.2 %	70-130	11/06/24	11/06/24	
mg/kg	mg/kg	Analy	yst: SL		Batch: 2445057
ND	20.0	1	11/06/24	11/06/24	
	92.2 %	70-130	11/06/24	11/06/24	
mg/kg	mg/kg	Analy	yst: NV		Batch: 2445058
ND	25.0	1	11/06/24	11/06/24	
ND	50.0	1	11/06/24	11/06/24	
	86.3 %	50-200	11/06/24	11/06/24	
mg/kg	mg/kg	Analy	yst: DT		Batch: 2445061
799	20.0	1	11/06/24	11/06/24	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 89.2 % mg/kg mg/kg mg/kg ND 20.0 92.2 % mg/kg ND 25.0 ND 50.0 86.3 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 89.2 % 70-130 mg/kg mg/kg Analy ND 20.0 1 92.2 % 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 86.3 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: SL ND 0.0250 1 11/06/24 ND 0.0250 1 11/06/24 ND 0.0250 1 11/06/24 ND 0.0250 1 11/06/24 ND 0.0500 1 11/06/24 ND 0.0250 1 11/06/24 mg/kg mg/kg Analyst: SL ND 20.0 1 11/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/06/24 ND 50.0 1 11/06/24 ND 50.0 1 11/06/24 ND 50.0 1 11/06/24 Mg/kg mg/kg Analyst: DT	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 11/06/24 11/06/24 ND 0.0250 1 11/06/24 11/06/24 ND 0.0250 1 11/06/24 11/06/24 ND 0.0500 1 11/06/24 11/06/24 ND 0.0250 1 11/06/24 11/06/24 ND 0.0250 1 11/06/24 11/06/24 Mg/kg mg/kg Analyst: SL ND 11/06/24 11/06/24 MD 20.0 1 11/06/24 11/06/24 11/06/24 mg/kg mg/kg Analyst: SL ND 11/06/24 11/06/24 ND 25.0 1 11/06/24 11/06/24 11/06/24 ND 50.0 1 11/06/24 11/06/24 11/06/24 ND 50.0 1 11/06/24 11/06/24 11/0



Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Donoutoda
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/8/2024 2:00:17PM

Carlsbad NM, 88220		Project Manager:		nna Byers					11/8/2024 2:00:17PM
		Volatile O	rganics b	y EPA 802	1B				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445057-BLK1)							Prepared: 1	1/06/24 Ar	nalyzed: 11/06/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.28		8.00		91.0	70-130			
LCS (2445057-BS1)							Prepared: 1	1/06/24 Ar	nalyzed: 11/06/24
Benzene	4.32	0.0250	5.00		86.3	70-130			
Ethylbenzene	4.61	0.0250	5.00		92.2	70-130			
Toluene	4.57	0.0250	5.00		91.4	70-130			
o-Xylene	4.64	0.0250	5.00		92.8	70-130			
p,m-Xylene	9.38	0.0500	10.0		93.8	70-130			
Total Xylenes	14.0	0.0250	15.0		93.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.18		8.00		89.7	70-130			
LCS Dup (2445057-BSD1)							Prepared: 1	1/06/24 Ar	nalyzed: 11/06/24
Benzene	4.42	0.0250	5.00		88.4	70-130	2.38	20	
Ethylbenzene	4.78	0.0250	5.00		95.5	70-130	3.54	20	
Toluene	4.71	0.0250	5.00		94.2	70-130	3.06	20	
o-Xylene	4.79	0.0250	5.00		95.9	70-130	3.27	20	
p,m-Xylene	9.73	0.0500	10.0		97.3	70-130	3.60	20	
Total Xylenes	14.5	0.0250	15.0		96.8	70-130	3.49	20	

70-130



Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/8/2024 2:00:17PM

Carlsbad NM, 88220		Project Manage	r: Ar	nna Byers				11/8	8/2024 2:00:17PM
	Non	halogenated	Organics l	by EPA 801	15D - G	RO			Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445057-BLK1)							Prepared: 1	1/06/24 Analy	vzed: 11/06/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			
LCS (2445057-BS2)							Prepared: 1	1/06/24 Analy	zed: 11/06/24
Gasoline Range Organics (C6-C10)	43.6	20.0	50.0		87.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.8	70-130			
LCS Dup (2445057-BSD2)							Prepared: 1	1/06/24 Analy	zed: 11/06/24

8.00

86.1

95.2

70-130

70-130

1.33

20

20.0

7.62

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/8/2024 2:00:17PM

Carlsbad NM, 88220		Project Manager	r: Ar	nna Byers				11	/8/2024 2:00:17PM
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2445058-BLK1)							Prepared: 1	1/06/24 Ana	lyzed: 11/06/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.5		50.0		89.0	50-200			
LCS (2445058-BS1)							Prepared: 1	1/06/24 Ana	lyzed: 11/06/24
Diesel Range Organics (C10-C28)	232	25.0	250		92.8	38-132			
Surrogate: n-Nonane	47.1		50.0		94.2	50-200			
LCS Dup (2445058-BSD1)							Prepared: 1	1/06/24 Ana	lyzed: 11/06/24
Diesel Range Organics (C10-C28)	245	25.0	250		97.8	38-132	5.28	20	
Surrogate: n-Nonane	48.0		50.0		96.0	50-200			

LCS Dup (2445061-BSD1)

Chloride

Prepared: 11/06/24 Analyzed: 11/06/24

20

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr	i i								
Carlsbad NM, 88220		Project Manager	r: A	Anna Byers					11/8/2024 2:00:17PM
		Anions	by EPA	300.0/9056	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445061-BLK1)							Prepared: 1	1/06/24 A	analyzed: 11/06/24
Chloride	ND	20.0							
LCS (2445061-BS1)							Prepared: 1	1/06/24 A	analyzed: 11/06/24
Chloride	252	20.0	250		101	90-110		·	

250

20.0

100

90-110

1.01

250

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:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/08/24 14:00

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

Client	IDV F	· Dores!	. 110		D:II T-	- 18			1	h !!-	o O:-	l	net Selve v				т,	\T		EDA	Drogram				
	PX Energy			North Allen	Bill To			11011	La	D US	e On		bor		10	2D	T/ 3D		ndard	CWA	Program SDWA				
	Nanager: /			thering Line	Attention: Jim Raley Address: 5315 Buena Vista Dr.	15	Lab WO# E 411 842			,	Job Number 0/05 8 - 000			10	120	130		y TAT	CVVA	SUVVA					
	13000 W				City, State, Zip: Carlsbad, NM, 882	220	154	110	12				nd Me				1	7 40	y izi		RCRA				
	e, Zip_Od				Phone: 575-885-7502	.20	-	T	Г		Tilaly	313 01	Turivie	I	_	T	T				Henry				
	32-305-64		73703				-	015				1	1							State					
	evon-team		ony com		Email: jim.raley@dvn.com WO: 21255735		-	3 y 8				1				1			M CO						
Linaii. De	evon-tean	iwe teelin	env.com		Incident ID: nAB1614039576 and nA	AB1616628496	6					0.		-	-	_	-	-	MM				WI CO	01 /	
Collected	d by: Edyte	e Konan					7	O/DR	8021	8260	6010	e 300		Anio			¥		×						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	верос		GDOC			Remar	KS				
14:20	11.04.24	S	1		BH03	1	52'								x										
14:30	11.04.24	S	1		ВН03	2	54'								х										
					0 H																				
				11/05	<i>L.</i> /																				
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/																									
Addition	al Instruc	tions:																							
				icity of this sample. I nay be grounds for le	am aware that tampering with or intentionally mislal gal action. Sampled by: EK	belling the sample	location	١,			0.000000000								ice the day to osequent da		pled or received				
Relinquish	ed by: (Sign:	ature)	Date	05/24 6:	OD Received by: (Signature)	Date 11-5-	24	Time	600	0	Rec	eived	d on i	ce:			lse On	ily							
Relinquish	ed by: (Sign	ature)	A Date	5-24 Time	Received by: (Signature)	Date 11.5		Time	72	50	T1				T2	,			3						
B	ed by: (Sign	- 1/	Date	.5.24 Z	345 Received by: (Signature)	Date 11.6.2		Time	30		1	Ton	np °C						Ve-1						
Sample Mat	riv: S - Soil So	- Solid Se	Sludge A - A	queous, O - Other	JAJAMA MONE	Container	Type	1.0	- 4							· v - \	VOA								
					unless other arrangements are made. Hazard													enort fo	or the ana	lysis of th	ne above				
					oratory with this COC. The liability of the labora															,					



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Page 12 of 13

envirotech Inc.

Printed: 11/6/2024 9:37:42AM

Envirotech Analytical Laboratory

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:	11/06/24	07:30		Work Order ID:	E411042
Phone:	(575) 200-6754	Date Logged In:	11/05/24	14:52		Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	11/14/24	17:00 (6 day TAT)			
Chain o	f Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
2. Does	the number of samples per sampling site location mate	ch the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was tl	ne COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		Yes	_		<u>Comment</u>	s/Resolution
Sample	<u>Turn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was tl	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	s, were custody/security seals intact?		NA				
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes				
	Container						
	aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field La	* * *						
	e field sample labels filled out with the minimum info	rmation:					
	Sample ID?		Yes				
]	Date/Time Collected?		Yes	L			
(Collectors name?		Yes				
	<u>Preservation</u>						
	the COC or field labels indicate the samples were pro-	eserved?	No				
	sample(s) correctly preserved?		NA				
24. Is lat	o filteration required and/or requested for dissolved m	etals?	No				
Multiph	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	e?	No				
27. If ye	s, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcont	ract Laboratory						
	samples required to get sent to a subcontract laborator	y ?	No				
	a subcontract laboratory specified by the client and if	-	NA	Subcontract Lab:	: NA		
	instruction						

Date

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

Report to:
Anna Byers







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E411041

Job Number: 01058-0007

Received: 11/6/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/8/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 11/8/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411041

Date Received: 11/6/2024 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/6/2024 7:30:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

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Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
١	5315 Buena Vista Dr	Project Number:	01058-0007	Keporteu.
	Carlsbad NM, 88220	Project Manager:	Anna Byers	11/08/24 13:56

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03 55'	E411041-01A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/8/2024 1:56:24PM

BH03 55' E411041-01

	E411041-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: SL		Batch: 2445057
ND	0.0250	1	11/06/24	11/06/24	
ND	0.0250	1	11/06/24	11/06/24	
ND	0.0250	1	11/06/24	11/06/24	
ND	0.0250	1	11/06/24	11/06/24	
ND	0.0500	1	11/06/24	11/06/24	
ND	0.0250	1	11/06/24	11/06/24	
	90.8 %	70-130	11/06/24	11/06/24	
mg/kg	mg/kg	Analy	st: SL		Batch: 2445057
ND	20.0	1	11/06/24	11/06/24	
	93.6 %	70-130	11/06/24	11/06/24	
mg/kg	mg/kg	Analy	st: NV		Batch: 2445058
ND	25.0	1	11/06/24	11/06/24	
ND	50.0	1	11/06/24	11/06/24	
	88.1 %	50-200	11/06/24	11/06/24	
mg/kg	mg/kg	Analy	st: DT		Batch: 2445061
730	20.0	1	11/06/24	11/06/24	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 90.8 % mg/kg MD 20.0 93.6 % mg/kg ND 25.0 ND 50.0 88.1 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 90.8 % 70-130 70-130 mg/kg mg/kg Analy ND 20.0 1 93.6 % 70-130 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 88.1 % 50-200 mg/kg Mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: SL ND 0.0250 1 11/06/24 ND 0.0250 1 11/06/24 ND 0.0250 1 11/06/24 ND 0.0500 1 11/06/24 ND 0.0250 1 11/06/24 ND 0.0250 1 11/06/24 mg/kg mg/kg Analyst: SL ND 20.0 1 11/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/06/24 ND 50.0 1 11/06/24 ND 50.0 1 11/06/24 ND 50.0 1 11/06/24 Mg/kg mg/kg Analyst: DT	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 11/06/24 11/06/24 ND 0.0250 1 11/06/24 11/06/24 ND 0.0250 1 11/06/24 11/06/24 ND 0.0500 1 11/06/24 11/06/24 ND 0.0250 1 11/06/24 11/06/24 ND 0.0250 1 11/06/24 11/06/24 Mg/kg mg/kg Analyst: SL ND 11/06/24 11/06/24 Mg/kg mg/kg Analyst: SL ND 11/06/24 11/06/24 Mg/kg mg/kg Analyst: NV ND 25.0 1 11/06/24 11/06/24 ND 50.0 1 11/06/24 11/06/24 11/06/24 ND 50.0 1 11/06/24 11/06/24 ND 50.0 1 11/06/24 11/06/2

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr Carlsbad NM, 88220	Project Number: Project Manager:	01058-0007 Anna Byers	11/8/2024 1:56:24PM

Carlsbad NM, 88220		Project Manager:		nna Byers				11.	/8/2024 1:56:24PM
		Volatile O	rganics b	y EPA 802	1B				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445057-BLK1)							Prepared: 1	1/06/24 Anal	yzed: 11/06/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.28		8.00		91.0	70-130			
LCS (2445057-BS1)							Prepared: 1	1/06/24 Anal	yzed: 11/06/24
Benzene	4.32	0.0250	5.00		86.3	70-130			
Ethylbenzene	4.61	0.0250	5.00		92.2	70-130			
Toluene	4.57	0.0250	5.00		91.4	70-130			
o-Xylene	4.64	0.0250	5.00		92.8	70-130			
p,m-Xylene	9.38	0.0500	10.0		93.8	70-130			
Total Xylenes	14.0	0.0250	15.0		93.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.18		8.00		89.7	70-130			
LCS Dup (2445057-BSD1)							Prepared: 1	1/06/24 Anal	yzed: 11/06/24
Benzene	4.42	0.0250	5.00		88.4	70-130	2.38	20	
Ethylbenzene	4.78	0.0250	5.00		95.5	70-130	3.54	20	
Toluene	4.71	0.0250	5.00		94.2	70-130	3.06	20	
o-Xylene	4.79	0.0250	5.00		95.9	70-130	3.27	20	
p,m-Xylene	9.73	0.0500	10.0		97.3	70-130	3.60	20	
5,111 113 10110									
Total Xylenes	14.5	0.0250	15.0		96.8	70-130	3.49	20	



Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr Carlsbad NM, 88220	Project Number: Project Manager:	01058-0007 Anna Byers	11/8/2024 1:56:24PM

Carlsbad NM, 88220		Project Manager		nna Byers				11/8	3/2024 1:56:24PN		
	Non	halogenated	Organics l	by EPA 80	15D - G	RO		Analyst: SL			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2445057-BLK1)						F	Prepared: 1	1/06/24 Analy	zed: 11/06/24		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130					
LCS (2445057-BS2)						F	Prepared: 1	1/06/24 Analy	zed: 11/06/24		
Gasoline Range Organics (C6-C10)	43.6	20.0	50.0		87.3	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.8	70-130					
LCS Dup (2445057-BSD2)						F	Prepared: 1	1/06/24 Analy	zed: 11/06/24		
Gasoline Range Organics (C6-C10)	43.1	20.0	50.0		86.1	70-130	1.33	20			

95.2

70-130

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/8/2024 1:56:24PM

Carlsbad NM, 88220		Project Manage	r: Ar	nna Byers				1	1/8/2024 1:56:24PM
	Nonha	ogenated Or	ganics by	EPA 8015I) - DRO	/ORO			11/8/2024 1:56:24PM Analyst: NV Notes nalyzed: 11/06/24 nalyzed: 11/06/24
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2445058-BLK1)							Prepared: 1	1/06/24 Ana	alyzed: 11/06/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.5		50.0		89.0	50-200			
LCS (2445058-BS1)							Prepared: 1	1/06/24 Ana	lyzed: 11/06/24
Diesel Range Organics (C10-C28)	232	25.0	250		92.8	38-132			
Surrogate: n-Nonane	47.1		50.0		94.2	50-200			
LCS Dup (2445058-BSD1)							Prepared: 1	1/06/24 Ana	lyzed: 11/06/24
Diesel Range Organics (C10-C28)	245	25.0	250		97.8	38-132	5.28	20	
Surrogate: n-Nonane	48.0		50.0		96.0	50-200			

LCS Dup (2445061-BSD1)

Chloride

Prepared: 11/06/24 Analyzed: 11/06/24

20

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		East Pecos 22-3 01058-0007	Produced	l Water Ga	thering Line		Reported:
Carlsbad NM, 88220		Project Manager:		Anna Byers					11/8/2024 1:56:24PM
		Anions	by EPA	300.0/9056	1				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445061-BLK1)							Prepared: 1	1/06/24 A	analyzed: 11/06/24
Chloride	ND	20.0							
LCS (2445061-BS1)							Prepared: 1	1/06/24 A	analyzed: 11/06/24
Chloride	252	20.0	250		101	90-110			

250

20.0

100

90-110

1.01

250

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:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/08/24 13:56

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

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Page	1	of	1
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Client: W	PX Energy	y Permiar	ı, LLC.	i-	Bill To		ME.		La	ab Us	e On	ly	STITUE.		TAT EPA PI			ogram		
Project: East Pecos 22-3 Produced Water Gathering Line Atte				thering Line	Attention: Jim Raley	Attention: Jim Raley		Lab WO#			Job Number			1D	2D 3D		3D Standard		SDWA	
	1anager: A				Address: 5315 Buena Vista Dr.		E4	11/2	141		010	58.	000	7				5 day TAT		
	13000 W				City, State, Zip: Carlsbad, NM, 8822	0					Analy	sis ar	nd Me	thod						RCRA
	e, Zip_Od		79765		Phone: 575-885-7502			5												
Phone: 4	32-305-64	115			Email: jim.raley@dvn.com			801	1	1									State	
Email: De	von-team	@eteche	env.com		WO: 21255735			yd C										NM CO	UT AZ	TX
Collected	l by: Edyte	a Konan			Incident ID: nAB1614039576 and nAB	1616628496		TPH GRO/DRO/ORO by 8015	021	760	110	Chloride 300.0		nion	ΣN		X			
Time	Date Date	KUITATI			divided in the second of the s	Lab)(ft.)	3RO,	by 8	39 8	ls 60	ide		n/A	00		U	_×1		
Sampled	Sampled	Matrix	No. of Containers	Sample ID		Number	Depth(ft.)	TPH (BTEX by 8021	VOC by 8260	Metals 6010	Chlor	TDS	Cation/ Anion	BGDOC		GDOC		Remarks	
14:40	11.04.24	S	1		вноз	1	55'								х					
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Addition	al Instruct	tions:																		
I. (field samp	ler), attest to	the validity	and authent	ticity of this sample. Li	am aware that tampering with or intentionally mislabel	ling the sample	ocation	Y.:			Sample	es requi	iring the	rmal pr	reserva	tion mu	ıst be rec	eived on ice the day	they are sampl	ed or received
				may be grounds for leg		g and sample									above (0 but le	ess than 6	°C on subsequent da		
	ed by: (Signa	to the	Date	105/24 6:	Received by: (Signature)	Date 11-5-2	4		600		Rece	elved	on id	ce:	CY	ab U	se On	ly		
	ed by: (Signa		les 11	1-5-24 Time 6	Received by: (Signature)	Date 11.5	. 24	Time	17	30	T1				T2			T3		
Relinduishe	ed by: (Signa	iture)	Date	5.24 Z	345 act Man	Date /1. Lon	24	Time 7	:30	2		Ten	np °C	4	1					
Sample Matr	ix: S - Soil, Sd	- Solid, Sg -		Aqueous, O - Other		Container	Type:	_			-				glass,	, v - V	/OA			
A STATE OF THE STA			1.		unless other arrangements are made. Hazardou	s samples will	be ret	urned	to clie	ent or	dispos	sed of	at the					eport for the an	alysis of the	above
samples is a	ipplicable o	nly to those	e samples r	received by the labo	ratory with this COC. The liability of the laborate	ory is limited to	the a	mount	t paid	for or	the r	eport.								



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envirotech Inc.

Printed: 11/6/2024 9:33:19AM

Envirotech Analytical Laboratory

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:	11/06/24 (07:30	Work Order ID:	E411041
Phone:	(575) 200-6754	Date Logged In:	11/05/24	14:43	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	11/14/24	17:00 (6 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		Comment	s/Resolution
Sample T	Curn Around Time (TAT)					
6. Did the	e 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 th	e 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			
	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
	Container _	- I	-			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lal	•					
-	field sample labels filled out with the minimum info	ormation:				
S	ample ID?		Yes			
	ate/Time Collected?		Yes			
	ollectors name?		Yes			
	Preservation	10	3.7			
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?	. 1.0	NA			
24. Is lab	filteration required and/or requested for dissolved n	netais?	No			
	se Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
28. Are sa	amples required to get sent to a subcontract laborato	ry?	No			
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab: NA		
Client I	<u>ıstruction</u>					
<u></u>						

Date

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

Report to:
Anna Byers







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: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E411064

Job Number: 01058-0007

Received: 11/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/15/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 11/15/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411064

Date Received: 11/7/2024 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/7/2024 7:30:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Sample Summary

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Danautada
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/24 09:54

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04 20'	E411064-01A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH04 22'	E411064-02A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH04 24'	E411064-03A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH04 26'	E411064-04A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH04 28'	E411064-05A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH04 30'	E411064-06A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH04 32'	E411064-07A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH04 34'	E411064-08A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH04 36'	E411064-09A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH04 38'	E411064-10A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH04 40'	E411064-11A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH04 42'	E411064-12A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH04 44'	E411064-13A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH04 46'	E411064-14A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH04 48'	E411064-15A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH04 50'	E411064-16A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH04 52'	E411064-17A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH04 54'	E411064-18A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH04 55'	E411064-19A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

BH04 20' E411064-01

		E-11100-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2445095
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		85.9 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2445095
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2445104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		124 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2445141
Chloride	2960	40.0	2	11/08/24	11/10/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

BH04 22'

E411064-02								
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2445095		
Benzene	ND	0.0250	1	11/07/24	11/11/24			
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24			
Toluene	ND	0.0250	1	11/07/24	11/11/24			
o-Xylene	ND	0.0250	1	11/07/24	11/11/24			
o,m-Xylene	ND	0.0500	1	11/07/24	11/11/24			
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24			
Surrogate: 4-Bromochlorobenzene-PID		85.9 %	70-130	11/07/24	11/11/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2445095		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	11/07/24	11/11/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2445104		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24			
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24			
Surrogate: n-Nonane		116 %	50-200	11/07/24	11/09/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2445141		
Chloride	2680	40.0	2	11/08/24	11/10/24			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

BH04 24'

E411064-03								
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: SL		Batch: 2445095		
Benzene	ND	0.0500	2	11/07/24	11/11/24			
Ethylbenzene	ND	0.0500	2	11/07/24	11/11/24			
Toluene	ND	0.0500	2	11/07/24	11/11/24			
o-Xylene	ND	0.0500	2	11/07/24	11/11/24			
o,m-Xylene	ND	0.100	2	11/07/24	11/11/24			
Total Xylenes	ND	0.0500	2	11/07/24	11/11/24			
Surrogate: 4-Bromochlorobenzene-PID		86.7 %	70-130	11/07/24	11/11/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: SL		Batch: 2445095		
Gasoline Range Organics (C6-C10)	ND	40.0	2	11/07/24	11/11/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	11/07/24	11/11/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: AF		Batch: 2445104		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24			
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24			
Surrogate: n-Nonane		123 %	50-200	11/07/24	11/09/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2445141		
Chloride	3630	40.0	2	11/08/24	11/10/24			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

BH04 26'

		E411064-04						
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2445095		
Benzene	ND	0.0500	2	11/07/24	11/11/24			
Ethylbenzene	ND	0.0500	2	11/07/24	11/11/24			
Toluene	ND	0.0500	2	11/07/24	11/11/24			
o-Xylene	ND	0.0500	2	11/07/24	11/11/24			
p,m-Xylene	ND	0.100	2	11/07/24	11/11/24			
Total Xylenes	ND	0.0500	2	11/07/24	11/11/24			
Surrogate: 4-Bromochlorobenzene-PID		87.8 %	70-130	11/07/24	11/11/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2445095		
Gasoline Range Organics (C6-C10)	ND	40.0	2	11/07/24	11/11/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	11/07/24	11/11/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2445104		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24			
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24			
Surrogate: n-Nonane		117 %	50-200	11/07/24	11/09/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2445141		
Chloride	3350	40.0	2	11/08/24	11/10/24			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

BH04 28'

E411064-05								
Reporting								
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2445095		
Benzene	ND	0.0250	1	11/07/24	11/11/24			
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24			
Toluene	ND	0.0250	1	11/07/24	11/11/24			
o-Xylene	ND	0.0250	1	11/07/24	11/11/24			
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24			
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24			
Surrogate: 4-Bromochlorobenzene-PID		88.2 %	70-130	11/07/24	11/11/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2445095		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	11/07/24	11/11/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: AF		Batch: 2445104		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24			
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24			
Surrogate: n-Nonane		119 %	50-200	11/07/24	11/09/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2445141		
Chloride	3170	40.0	2	11/08/24	11/10/24			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

BH04 30'

E411064-06								
Reporting								
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2445095		
Benzene	ND	0.0250	1	11/07/24	11/11/24			
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24			
Toluene	ND	0.0250	1	11/07/24	11/11/24			
o-Xylene	ND	0.0250	1	11/07/24	11/11/24			
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24			
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24			
Surrogate: 4-Bromochlorobenzene-PID		88.4 %	70-130	11/07/24	11/11/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2445095		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.6 %	70-130	11/07/24	11/11/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: AF		Batch: 2445104		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24			
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24			
Surrogate: n-Nonane		118 %	50-200	11/07/24	11/09/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: DT		Batch: 2445141		
Chloride	2950	40.0	2	11/08/24	11/10/24			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

BH04 32'

E411064-07							
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2445095	
Benzene	ND	0.0250	1	11/07/24	11/11/24		
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24		
Toluene	ND	0.0250	1	11/07/24	11/11/24		
o-Xylene	ND	0.0250	1	11/07/24	11/11/24		
o,m-Xylene	ND	0.0500	1	11/07/24	11/11/24		
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24		
Surrogate: 4-Bromochlorobenzene-PID		87.9 %	70-130	11/07/24	11/11/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2445095	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	11/07/24	11/11/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: AF		Batch: 2445104	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24		
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24		
Surrogate: n-Nonane		116 %	50-200	11/07/24	11/09/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2445141	
Chloride	3310	40.0	2	11/08/24	11/10/24		



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

BH04 34'

		E411064-08				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2445095
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		87.8 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2445095
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: AF		Batch: 2445104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		118 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2445141
Chloride	2120	20.0	1	11/08/24	11/10/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

BH04 36' E411064-09

		E411004-09				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2445095
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
-Xylene	ND	0.0250	1	11/07/24	11/11/24	
o,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		88.9 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2445095
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: AF		Batch: 2445104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		111 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2445141
Chloride	1900	20.0	1	11/08/24	11/10/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

BH04 38' E411064-10

		L-11100-110				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2445095
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		89.2 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2445095
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2445104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		114 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: DT		Batch: 2445141
Chloride	1790	20.0	1	11/08/24	11/10/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

BH04 40'

		E411064-11				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	nalyst: SL		Batch: 2445095
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		87.9 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2445095
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	nalyst: AF		Batch: 2445104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		116 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	nalyst: DT		Batch: 2445141
Chloride	1570	20.0	1	11/08/24	11/10/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

BH04 42'

E4	116	161	111
L4.	ш	104	-14

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2445095
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		88.5 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2445095
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2445104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		110 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2445141
11110115 2 3 22111 0 0 0 0 0 1 1						



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

BH04 44'

E411064-13							
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2445095	
Benzene	ND	0.0250	1	11/07/24	11/11/24		
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24		
Toluene	ND	0.0250	1	11/07/24	11/11/24		
o-Xylene	ND	0.0250	1	11/07/24	11/11/24		
o,m-Xylene	ND	0.0500	1	11/07/24	11/11/24		
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24		
Surrogate: 4-Bromochlorobenzene-PID		88.6 %	70-130	11/07/24	11/11/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2445095	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %	70-130	11/07/24	11/11/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: AF		Batch: 2445104	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24		
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24		
Surrogate: n-Nonane		113 %	50-200	11/07/24	11/09/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2445141	
Chloride	1530	20.0	1	11/08/24	11/10/24		



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

BH04 46'

E411064-14						
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: SL		Batch: 2445095
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		88.6 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: SL		Batch: 2445095
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: AF		Batch: 2445104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		111 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2445141
Chloride	1380	20.0	1	11/08/24	11/10/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

BH04 48' E411064-15

		2.11100.10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2445095
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Foluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
o,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		88.7 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2445095
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2445104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		111 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2445141
Chloride	1360	20.0	1	11/08/24	11/10/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

BH04 50'

E411064-16						
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	nalyst: SL		Batch: 2445095
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
Toluene	ND	0.0250	1	11/07/24	11/11/24	
o-Xylene	ND	0.0250	1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		88.9 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	nalyst: SL		Batch: 2445095
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: AF		Batch: 2445104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/13/24	
Surrogate: n-Nonane		103 %	50-200	11/07/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	nalyst: DT		Batch: 2445141
Chloride	1140	20.0	1	11/08/24	11/10/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

BH04 52' E411064-17

		211100111				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2445095
Benzene	ND	0.0250	1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24	
oluene	ND	0.0250	1	11/07/24	11/11/24	
-Xylene	ND	0.0250	1	11/07/24	11/11/24	
o,m-Xylene	ND	0.0500	1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24	
Surrogate: 4-Bromochlorobenzene-PID		88.9 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: SL		Batch: 2445095
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2445104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		111 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2445141
Chloride	855	20.0	1	11/08/24	11/10/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

BH04 54'

E411064-18								
		Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: SL		Batch: 2445095		
Benzene	ND	0.0250	1	11/07/24	11/11/24			
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24			
Toluene	ND	0.0250	1	11/07/24	11/11/24			
o-Xylene	ND	0.0250	1	11/07/24	11/11/24			
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24			
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24			
Surrogate: 4-Bromochlorobenzene-PID		87.2 %	70-130	11/07/24	11/11/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2445095		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	11/07/24	11/11/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: AF		Batch: 2445104		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24			
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24			
Surrogate: n-Nonane		114 %	50-200	11/07/24	11/09/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2445141		
Chloride	792	20.0	1	11/08/24	11/11/24			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

BH04 55'

E411064-19									
		Reporting							
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes			
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2445095			
Benzene	ND	0.0250	1	11/07/24	11/11/24				
Ethylbenzene	ND	0.0250	1	11/07/24	11/11/24				
Toluene	ND	0.0250	1	11/07/24	11/11/24				
o-Xylene	ND	0.0250	1	11/07/24	11/11/24				
p,m-Xylene	ND	0.0500	1	11/07/24	11/11/24				
Total Xylenes	ND	0.0250	1	11/07/24	11/11/24				
Surrogate: 4-Bromochlorobenzene-PID		88.1 %	70-130	11/07/24	11/11/24				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2445095			
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/11/24				
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	11/07/24	11/11/24				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: AF		Batch: 2445104			
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24				
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24				
Surrogate: n-Nonane		116 %	50-200	11/07/24	11/09/24				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	Analyst: DT		Batch: 2445141			
Chloride	816	20.0	1	11/08/24	11/11/24				



Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

Carlsbad NM, 88220		Project Manager		nna Byers				11	/15/2024 9:54:04AM
		Volatile (Organics b	y EPA 802	21B				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445095-BLK1)						I	Prepared: 1	1/07/24 Ana	alyzed: 11/11/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.50		8.00		81.3	70-130			
LCS (2445095-BS1)						I	Prepared: 1	1/07/24 Ana	alyzed: 11/11/24
Benzene	4.73	0.0250	5.00		94.6	70-130			
Ethylbenzene	4.55	0.0250	5.00		90.9	70-130			
Toluene	4.66	0.0250	5.00		93.2	70-130			
o-Xylene	4.49	0.0250	5.00		89.8	70-130			
p,m-Xylene	9.23	0.0500	10.0		92.3	70-130			
Total Xylenes	13.7	0.0250	15.0		91.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.77		8.00		84.6	70-130			
LCS Dup (2445095-BSD1)						I	Prepared: 1	1/07/24 Ana	alyzed: 11/11/24
Benzene	5.02	0.0250	5.00		100	70-130	5.92	20	
Ethylbenzene	4.87	0.0250	5.00		97.3	70-130	6.83	20	
Toluene	4.96	0.0250	5.00		99.3	70-130	6.30	20	
o-Xylene	4.81	0.0250	5.00		96.2	70-130	6.92	20	
p,m-Xylene	9.88	0.0500	10.0		98.8	70-130	6.83	20	
Total Xylenes	14.7	0.0250	15.0		97.9	70-130	6.86	20	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

Carlsbad NM, 88220		Project Manager	r: Ar	nna Byers				11/	15/2024 9:54:04
	Non	halogenated	Organics l	by EPA 801	15D - G	RO			Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445095-BLK1)							Prepared: 1	1/07/24 Anal	yzed: 11/11/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			
LCS (2445095-BS2)							Prepared: 1	1/07/24 Anal	yzed: 11/11/24
Gasoline Range Organics (C6-C10)	43.3	20.0	50.0		86.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			
LCS Dup (2445095-BSD2)							Prepared: 1	1/07/24 Anal	yzed: 11/11/24
Gasoline Range Organics (C6-C10)	42.7	20.0	50.0		85.5	70-130	1.41	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 9:54:04AM

Carlsbad NM, 88220		Project Manage	r: Ar	nna Byers				11/	15/2024 9:54:04AM
	Nonha	ogenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: AF
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2445104-BLK1)							Prepared: 1	1/07/24 Ana	lyzed: 11/09/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.0		50.0		104	50-200			
LCS (2445104-BS1)							Prepared: 1	1/07/24 Ana	lyzed: 11/09/24
Diesel Range Organics (C10-C28)	303	25.0	250		121	38-132			
Surrogate: n-Nonane	61.4		50.0		123	50-200			
LCS Dup (2445104-BSD1)							Prepared: 1	1/07/24 Ana	lyzed: 11/09/24
Diesel Range Organics (C10-C28)	292	25.0	250		117	38-132	3.78	20	
Surrogate: n-Nonane	58.4		50.0		117	50-200			

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager:		East Pecos 22-3 01058-0007 Anna Byers	Produced	Water Ga	thering Lin	e	Reported: 11/15/2024 9:54:04AM
		Anions	by EPA	300.0/9056	4				Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2445141-BLK1)							Prepared:	11/08/24 A	analyzed: 11/10/24
Chloride	ND	20.0							
LCS (2445141-BS1)							Prepared:	11/08/24 A	analyzed: 11/10/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2445141-MS1)				Source:	E411064-0	08	Prepared:	11/08/24 A	analyzed: 11/10/24
Chloride	2390	20.0	250	2120	108	80-120			
Matrix Spike Dup (2445141-MSD1)				Source:	E411064-0	08	Prepared:	11/08/24 A	analyzed: 11/10/24
Chloride	2430	20.0	250	2120	123	80-120	1.61	20	M4

QC Summary Report Comment:

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



Definitions and Notes

ſ	WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/24 09:54

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



e. The report for the analysis	of the above
nvir	otech

Project Ir	nformation	n				Chain of C	Custoo	dy												Page	Received by OCD: 9/8/2025 10:49:32 AM of 1
Client: W	PX Energy	v Permiai	n IIC		Bill To				1	ah Hs	se On	lv ·			1		TA	т	FPΔF	Program	by .
				thering Line	Attention: Jim Raley		Lab	WO#				Num	her		1D	120	3D	Standard		SDWA	2
	Nanager: /			inering time	Address: 5315 Buena Vista Dr.		Lab Y	110	100	4	MI	50	000	7	10	120	30	5 day TAT	CVVA	JOVA	i d
	13000 W				City, State, Zip: Carlsbad, NM, 88220)		510	•		Analy	rsis ar	nd Me	thoc	1			Table 1		RCRA	
	e, Zip_Od				Phone: 575-885-7502			Т	Т	T	T	1	T	T	<u> </u>	T	Т	_	-	Henri	⊗
	32-305-6		, 5, 05		Email: jim.raley@dvn.com			8015	1										State		/20
	evon-team		env.com		WO: 21255735			by 8		1	1	1						NMI CO	O UT AZ	TXI	125
	d by: Edyte				Incident ID: nAB1614039576 and nAB1	616628496		TPH GRO/DRO/ORO by	3021	260	010	Chloride 300.0		nion	ΣN		¥				10:49:
Time	Date		No. of	T	6.361	Lab	h(ft.	GRO	β	by 8	lls 60	ide		n/A	20		Q	×		4-4-	32
Sampled	Sampled	Matrix	Containers	Sample ID		Number	Depth(ft.)	TPH	BTEX by 8021	VOC by 8260	Metals 6010	Chlor	TDS	Cation/ Anion	верос		GDOC		Remark	S	<u> </u>
8:00	11.05.24	S	1		BH04	1	20'								х						
8:10	11.05.24	S	1		BH04	2	22'								х						
8:20	11.05.24	S	1		BH04	3	24'								х						
8:30	11.05.24	S	1		BH04	4	26'								х						
8:40	11.05.24	S	1		BH04	5	28'								х						f 32
8:50	11.05.24	S	1		BH04	6	30'								х				-		30 0
9:00	11.05.24	S	1		BH04	7	32'								х						Page 30 of
9:10	11.05.24	S	1		BH04	8	34'								х						L
9:20	11.05.24	S	1		вно4	9	36'								х						
9:30	11.05.24	S	1	-	BH04	10	38'								х						
	al Instruc					8					Te .										
					am aware that tampering with or intentionally mislabelli	ng the sample	location	1,			Ton Const							eived on ice the da °C on subsequent		oled or received	
			Date	nay be grounds for le	gal action, Sampled by: EK	Inata		Time			i di inse	-14-00/11		•							
	ed by: (Signa		416	06/24 6:		11-6.7	4		160c)	Rec	eivec	d on i	ce:		ab 0:]/ N	se Onl	y			
VVIich		onza			, 30 Reggived by: (signature)	11.6.	_	Time	8	00					<u>T2</u>			<u>T3</u>			
ch J	ed by (Sign	ℓ			Received by: (Signature)	Date	M	Time	YH	0	AVO	Ten	np °C	4	_						
				queous, O - Other		Container					y/pla	stic, a	ıg - an	nber	glass						
					unless other arrangements are made. Hazardous									e clier	nt exp	ense.	The re	port for the a	nalysis of the	e above	.
samples is	applicable o	nly to thos	e samples r	eceived by the lab	oratory with this COC. The liability of the laborator	y is limited to	the a	moun	t paid	for or	n the r	eport									, ~~



Client: WPX Energy Permian, LLC.

Address: 13000 W County Rd 100

Project Manager: Anna Byers

Project: East Pecos 22-3 Produced Water Gathering Line

Lab WO# E411064

Lab Use Only

Job Number

01058.0007

Analysis and Method

TAT

Standard

5 day TAT

1D 2D 3D

EPA Program

SDWA

RCRA

CWA

Bill To

Attention: Jim Raley

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.

Address: 5315 Buena Vista Dr.

City, State, Zip: Carlsbad, NM, 88220

f 32
31 of

Received by OCD: 9/8/2025 10:49:32 AM

City, Stat	e, Zip_Od	essa,TX,	79765		Phone: 575-885-7	7502			S	T	T	Ť	T		T					51	
	32-305-64				Email: jim.raley@	dvn.com			801					-					State		
Email: De	evon-team	@eteche	env.com		WO: 21255735) by	1		- 1					N	M CO	UT A	Z TX	
Collected	d by: Edyte	Konan			Incident ID: nAB16	514039576 and nAB16	16628496	E.)	TPH GRO/DRO/ORO by 8015	8021	8260	300.0		Anion	N.	X		×			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	TPH GR	втех by	VOC by 8260	Chloride 300.0	TDS	Cation/ Anion	верос	GDOC			Remark	s	
9:40	11.05.24	S	1		BH04		\mathcal{U}	40'							х						
9:50	11.05.24	S	1		BH04		12	42'							х						
10:00	11.05.24	S	1		BH04		13	44'							х						
10:10	11.05.24	S	1	-	вн04		14	46'							х						
10:20	11.05.24	S	1		BH04		15	48'							х						
10:30	11.05.24	S	1		вн04		16	50'							х						
10:40	11.05.24	S	1	-	BH04		17	52'							х						
10:50	11.05.24	S	1		BH04		18	54'							х						
11:00	11.05.24	S	1		вн04		19	55'							х						
				11 106	1811																
Addition	al Instruct	ions:																			
				icity of this sample. I nay be grounds for le	am aware that tampering with gal action. Samp	or intentionally mislabelling	the sample lo	ocation,						((20)				ice the day to esequent day	20	oled or rece	ived
Relinquishe	ed by: (Signa	ture)	Date	06/24 6	Received by: (Si	& Gonardec	Date 11-(4-)4		Time	00	Re	eceive	d on i	ce:	Lab	Use On N	ly.				
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Religiouishe	ed by: Signa	H (Date		600 Received by: (Si	1 1	And the		Time	:30		/G Ter	np °C								
Sample Matr	ix: S - Soil, Sd	- Solid, Sg - S	101	queous, O - Other		0	Container T	ype: g			-					- VOA					
					unless other arrangements												enort fo	r the ana	lysis of th	e ahove	





Printed: 11/7/2024 9:34:55AM

Envirotech Analytical Laboratory

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:	11/07/24	07:30	Work Order ID:	E411064
Phone:	(539) 573-4018	Date Logged In:	11/06/24	15:09	Logged In By:	Caitlin Mars
Email:	devon-team@etechenv.com	Due Date:	11/15/24	17:00 (6 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		Comment	s/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	were custody/security seals intact?		NA			
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
	Container	<u> </u>	<u>~</u>			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lat		ners concercu:	103			
	field sample labels filled out with the minimum info	armation:				
	ample ID?	ormation.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		No			
Sample F	reservation_					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
	the sample have more than one phase, i.e., multipha	se?	No			
	, does the COC specify which phase(s) is to be analy		NA			
		,				
	act Laboratory	9	NI.			
	amples required to get sent to a subcontract laborator	*	No	C 1 4 4 1 1 3 1 4		
	subcontract laboratory specified by the client and i	i so wiio?	NA	Subcontract Lab: NA		
Client In	<u>istruction</u>					

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Date

Report to:
Anna Byers







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East I

East Pecos 22-3 Produced Water

Gathering Line

Work Order:

E411066

Job Number:

01058-0007

Received:

11/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/18/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 11/18/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411066

Date Received: 11/7/2024 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/7/2024 7:30:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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BH05 26'	11
BH05 28'	12
BH05 30'	13
BH05 32'	14
BH05 34'	15
BH05 36'	16
BH05 38'	17
BH05 40'	18
BH05 42'	19
BH05 44'	20
BH05 46'	21
BH05 48'	22
BH05 50'	23
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Sample Summary

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Γ	WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:	ĺ
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reporteu.	ĺ
l	Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/24 13:46	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05 16'	E411066-01A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 18'	E411066-02A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 20'	E411066-03A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 22'	E411066-04A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 24'	E411066-05A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 26'	E411066-06A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 28'	E411066-07A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 30'	E411066-08A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 32'	E411066-09A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 34'	E411066-10A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 36'	E411066-11A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 38'	E411066-12A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 40'	E411066-13A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 42'	E411066-14A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 44'	E411066-15A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 46'	E411066-16A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 48'	E411066-17A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 50'	E411066-18A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 52'	E411066-19A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 54'	E411066-20A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.
BH05 55'	E411066-21A	Soil	11/05/24	11/07/24	Glass Jar, 2 oz.

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 16' E411066-01

		E-111000-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2445097
Benzene	ND	0.0250	1	11/07/24	11/08/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/08/24	
Toluene	ND	0.0250	1	11/07/24	11/08/24	
o-Xylene	ND	0.0250	1	11/07/24	11/08/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/08/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/08/24	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2445097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2445126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		101 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2445149
Chloride	1940	200	10	11/09/24	11/11/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 18'

		E411066-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2445097
Benzene	ND	0.0250	1	11/07/24	11/08/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/08/24	
Toluene	ND	0.0250	1	11/07/24	11/08/24	
o-Xylene	ND	0.0250	1	11/07/24	11/08/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/08/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/08/24	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2445097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.1 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2445126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		100 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2445149
Chloride	2060	200	10	11/09/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 20'

		E411066-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2445097
Benzene	ND	0.0250	1	11/07/24	11/08/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/08/24	
Toluene	ND	0.0250	1	11/07/24	11/08/24	
o-Xylene	ND	0.0250	1	11/07/24	11/08/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/08/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/08/24	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2445097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2445126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		87.0 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: DT		Batch: 2445149
Chloride	1900	200	10	11/09/24	11/11/24	



Chloride

Sample Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 22'

E411066-04 Reporting Analyte Result Limit Dilution Analyzed Notes Prepared Analyst: BA Batch: 2445097 mg/kg mg/kg Volatile Organics by EPA 8021B 11/07/24 11/08/24 ND 0.0250 Benzene 1 11/07/24 11/08/24 Ethylbenzene ND 0.0250ND 0.02501 11/07/24 11/08/24 Toluene 1 11/07/24 11/08/24 ND o-Xylene 0.02501 11/07/24 11/08/24 ND 0.0500 p,m-Xylene 11/08/24 11/07/24 1 Total Xylenes ND 0.025097.9 % 11/07/24 11/08/24 70-130 Surrogate: 4-Bromochlorobenzene-PID Batch: 2445097 mg/kg Analyst: BA Nonhalogenated Organics by EPA 8015D - GRO mg/kg 11/07/24 11/08/24 ND 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 89.7 % 11/07/24 11/08/24 70-130 mg/kg mg/kg Analyst: NV Batch: 2445126 Nonhalogenated Organics by EPA 8015D - DRO/ORO ND 25.0 11/07/24 11/09/24 Diesel Range Organics (C10-C28) ND 11/07/24 11/09/24 Oil Range Organics (C28-C36) 50.0 1 11/07/24 11/09/24 Surrogate: n-Nonane 105 % 50-200 Analyst: DT Batch: 2445149 Anions by EPA 300.0/9056A mg/kg mg/kg 11/09/24 11/11/24

20.0

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1970



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 24'

E411066-05						
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	nalyst: BA		Batch: 2445097
Benzene	ND	0.0250	1	11/07/24	11/08/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/08/24	
Toluene	ND	0.0250	1	11/07/24	11/08/24	
o-Xylene	ND	0.0250	1	11/07/24	11/08/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/08/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/08/24	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	nalyst: BA		Batch: 2445097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2445126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		102 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	nalyst: DT		Batch: 2445149
Chloride	2290	100	5	11/09/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 26'

		E411066-06				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2445097
Benzene	ND	0.0250	1	11/07/24	11/08/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/08/24	
Toluene	ND	0.0250	1	11/07/24	11/08/24	
o-Xylene	ND	0.0250	1	11/07/24	11/08/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/08/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/08/24	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2445097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2445126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		115 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2445149
Chloride	2810	40.0	2	11/09/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 28'

		E411066-07				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2445097
Benzene	ND	0.0250	1	11/07/24	11/08/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/08/24	
Toluene	ND	0.0250	1	11/07/24	11/08/24	
o-Xylene	ND	0.0250	1	11/07/24	11/08/24	
o,m-Xylene	ND	0.0500	1	11/07/24	11/08/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/08/24	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2445097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.0 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2445126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		101 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2445149
Chloride	2650	100	5	11/09/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 30'

E411066-08								
Reporting								
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	nalyst: BA		Batch: 2445097		
Benzene	ND	0.0250	1	11/07/24	11/08/24			
Ethylbenzene	ND	0.0250	1	11/07/24	11/08/24			
Toluene	ND	0.0250	1	11/07/24	11/08/24			
o-Xylene	ND	0.0250	1	11/07/24	11/08/24			
p,m-Xylene	ND	0.0500	1	11/07/24	11/08/24			
Total Xylenes	ND	0.0250	1	11/07/24	11/08/24			
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	11/07/24	11/08/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	nalyst: BA		Batch: 2445097		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/08/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	70-130	11/07/24	11/08/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	nalyst: NV		Batch: 2445126		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24			
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24			
Surrogate: n-Nonane		101 %	50-200	11/07/24	11/09/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	nalyst: DT		Batch: 2445149		
Chloride	2760	20.0	1	11/09/24	11/11/24			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 32' E411066-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2445097
Benzene	ND	0.0250	1	11/07/24	11/08/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/08/24	
Toluene	ND	0.0250	1	11/07/24	11/08/24	
o-Xylene	ND	0.0250	1	11/07/24	11/08/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/08/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/08/24	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2445097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.8 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2445126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		104 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: DT		Batch: 2445149
Chloride	2280	20.0	1	11/09/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 34' E411066-10

		E-111000 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2445097
Benzene	ND	0.0250	1	11/07/24	11/08/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/08/24	
Toluene	ND	0.0250	1	11/07/24	11/08/24	
o-Xylene	ND	0.0250	1	11/07/24	11/08/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/08/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/08/24	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2445097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2445126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		105 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2445149
Chloride	2330	20.0	1	11/09/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 36'

E411066-11								
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2445097		
Benzene	ND	0.0250	1	11/07/24	11/08/24			
Ethylbenzene	ND	0.0250	1	11/07/24	11/08/24			
Toluene	ND	0.0250	1	11/07/24	11/08/24			
o-Xylene	ND	0.0250	1	11/07/24	11/08/24			
p,m-Xylene	ND	0.0500	1	11/07/24	11/08/24			
Total Xylenes	ND	0.0250	1	11/07/24	11/08/24			
Surrogate: 4-Bromochlorobenzene-PID		98.7 %	70-130	11/07/24	11/08/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2445097		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/08/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	11/07/24	11/08/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2445126		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24			
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24			
Surrogate: n-Nonane		104 %	50-200	11/07/24	11/09/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2445149		
Chloride	1980	20.0	1	11/09/24	11/11/24			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 38'

E411066-12								
Reporting								
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	nalyst: BA		Batch: 2445097		
Benzene	ND	0.0250	1	11/07/24	11/08/24			
Ethylbenzene	ND	0.0250	1	11/07/24	11/08/24			
Toluene	ND	0.0250	1	11/07/24	11/08/24			
o-Xylene	ND	0.0250	1	11/07/24	11/08/24			
p,m-Xylene	ND	0.0500	1	11/07/24	11/08/24			
Total Xylenes	ND	0.0250	1	11/07/24	11/08/24			
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	11/07/24	11/08/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	nalyst: BA		Batch: 2445097		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/08/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	70-130	11/07/24	11/08/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	nalyst: NV		Batch: 2445126		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24			
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24			
Surrogate: n-Nonane		104 %	50-200	11/07/24	11/09/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	nalyst: DT		Batch: 2445149		
Chloride	2410	20.0	1	11/09/24	11/11/24			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 40'

E411066-13								
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2445097		
Benzene	ND	0.0250	1	11/07/24	11/08/24			
Ethylbenzene	ND	0.0250	1	11/07/24	11/08/24			
Toluene	ND	0.0250	1	11/07/24	11/08/24			
o-Xylene	ND	0.0250	1	11/07/24	11/08/24			
p,m-Xylene	ND	0.0500	1	11/07/24	11/08/24			
Total Xylenes	ND	0.0250	1	11/07/24	11/08/24			
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	11/07/24	11/08/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2445097		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/08/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	11/07/24	11/08/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2445126		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24			
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24			
Surrogate: n-Nonane		101 %	50-200	11/07/24	11/09/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2445149		
Chloride	1970	20.0	1	11/09/24	11/11/24			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 42'

E411066-14

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2445097
Benzene	ND	0.0250	1	11/07/24	11/08/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/08/24	
Toluene	ND	0.0250	1	11/07/24	11/08/24	
o-Xylene	ND	0.0250	1	11/07/24	11/08/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/08/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/08/24	
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2445097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g/kg Analyst: NV			Batch: 2445126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		104 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2445149
Chloride	2480	20.0	1	11/09/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 44'

		E411066-15						
Reporting								
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2445097		
Benzene	ND	0.0250	1	11/07/24	11/08/24			
Ethylbenzene	ND	0.0250	1	11/07/24	11/08/24			
Toluene	ND	0.0250	1	11/07/24	11/08/24			
o-Xylene	ND	0.0250	1	11/07/24	11/08/24			
p,m-Xylene	ND	0.0500	1	11/07/24	11/08/24			
Total Xylenes	ND	0.0250	1	11/07/24	11/08/24			
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	11/07/24	11/08/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2445097			
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/08/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	11/07/24	11/08/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445126			
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24			
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24			
Surrogate: n-Nonane		107 %	50-200	11/07/24	11/09/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2445149		
Chloride	2310	20.0	1	11/09/24	11/11/24			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 46'

		E411066-16				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2445097
Benzene	ND	0.0250	1	11/07/24	11/08/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/08/24	
Toluene	ND	0.0250	1	11/07/24	11/08/24	
o-Xylene	ND	0.0250	1	11/07/24	11/08/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/08/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/08/24	
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2445097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.1 %	70-130	11/07/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2445126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		109 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2445149
Chloride	1340	20.0	1	11/09/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 48'

		E411066-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2445097
Benzene	ND	0.0250	1	11/07/24	11/09/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/09/24	
Toluene	ND	0.0250	1	11/07/24	11/09/24	
o-Xylene	ND	0.0250	1	11/07/24	11/09/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/09/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/09/24	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	11/07/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2445097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	11/07/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2445126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		101 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2445149
Chloride	1490	20.0	1	11/09/24	11/11/24	·



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 50'

		E411066-18					
Reporting							
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2445097	
Benzene	ND	0.0250	1	11/07/24	11/09/24		
Ethylbenzene	ND	0.0250	1	11/07/24	11/09/24		
Toluene	ND	0.0250	1	11/07/24	11/09/24		
o-Xylene	ND	0.0250	1	11/07/24	11/09/24		
p,m-Xylene	ND	0.0500	1	11/07/24	11/09/24		
Total Xylenes	ND	0.0250	1	11/07/24	11/09/24		
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	11/07/24	11/09/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: BA		Batch: 2445097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/09/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	11/07/24	11/09/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2445126	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24		
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24		
Surrogate: n-Nonane		104 %	50-200	11/07/24	11/09/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2445149	
Chloride	1350	40.0	2	11/09/24	11/11/24		



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 52'

		E411066-19				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2445097
Benzene	ND	0.0250	1	11/07/24	11/09/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/09/24	
Toluene	ND	0.0250	1	11/07/24	11/09/24	
o-Xylene	ND	0.0250	1	11/07/24	11/09/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/09/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/09/24	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	11/07/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2445097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	11/07/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2445126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		107 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2445149
Chloride	1470	40.0	2	11/09/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 54'

		E411066-20				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2445097
Benzene	ND	0.0250	1	11/07/24	11/09/24	
Ethylbenzene	ND	0.0250	1	11/07/24	11/09/24	
Toluene	ND	0.0250	1	11/07/24	11/09/24	
o-Xylene	ND	0.0250	1	11/07/24	11/09/24	
p,m-Xylene	ND	0.0500	1	11/07/24	11/09/24	
Total Xylenes	ND	0.0250	1	11/07/24	11/09/24	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	11/07/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2445097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/24	11/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	11/07/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2445126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/09/24	
Surrogate: n-Nonane		103 %	50-200	11/07/24	11/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2445149
Chloride	453	40.0	2	11/09/24	11/11/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

BH05 55'

		E411066-21					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2445111
Benzene	ND	0.0250		1	11/07/24	11/11/24	
Ethylbenzene	ND	0.0250		1	11/07/24	11/11/24	
Toluene	ND	0.0250		1	11/07/24	11/11/24	
o-Xylene	ND	0.0250		1	11/07/24	11/11/24	
p,m-Xylene	ND	0.0500		1	11/07/24	11/11/24	
Total Xylenes	ND	0.0250		1	11/07/24	11/11/24	
Surrogate: Bromofluorobenzene		99.2 %	70-130		11/07/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		80.0 %	70-130		11/07/24	11/11/24	
Surrogate: Toluene-d8		104 %	70-130		11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2445111
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/07/24	11/11/24	
Surrogate: Bromofluorobenzene		99.2 %	70-130		11/07/24	11/11/24	
Surrogate: 1,2-Dichloroethane-d4		80.0 %	70-130		11/07/24	11/11/24	
Surrogate: Toluene-d8		104 %	70-130		11/07/24	11/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2445125
Diesel Range Organics (C10-C28)	ND	25.0		1	11/07/24	11/08/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/07/24	11/08/24	
Surrogate: n-Nonane		102 %	50-200		11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2446028
Chloride	1450	100		5	11/11/24	11/15/24	



WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/18/2024 1:46:21PM

3313 Bucha Vista Di		1 Toject Tullioer.	. 01	030 0007					
Carlsbad NM, 88220		Project Manager	:: A1	nna Byers				11/1	18/2024 1:46:21P1
	V	olatile Organi	ic Compo	unds by EI	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445111-BLK1)							Prepared: 1	1/07/24 Anal	yzed: 11/11/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			
LCS (2445111-BS1)							Prepared: 1	1/07/24 Anal	yzed: 11/11/24
Benzene	2.22	0.0250	2.50		88.9	70-130			
Ethylbenzene	2.44	0.0250	2.50		97.7	70-130			
Toluene	2.34	0.0250	2.50		93.8	70-130			
o-Xylene	2.45	0.0250	2.50		98.1	70-130			
p,m-Xylene	4.92	0.0500	5.00		98.4	70-130			
Total Xylenes	7.37	0.0250	7.50		98.3	70-130			
Surrogate: Bromofluorobenzene	0.477		0.500		95.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			
LCS Dup (2445111-BSD1)							Prepared: 1	1/07/24 Anal	yzed: 11/11/24
Benzene	2.32	0.0250	2.50		92.9	70-130	4.36	23	
Ethylbenzene	2.56	0.0250	2.50		102	70-130	4.58	27	
Toluene	2.47	0.0250	2.50		98.9	70-130	5.38	24	
o-Xylene	2.59	0.0250	2.50		104	70-130	5.53	27	
p,m-Xylene	5.27	0.0500	5.00		105	70-130	6.95	27	
Total Xylenes	7.87	0.0250	7.50		105	70-130	6.48	27	
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
-									

0.500

104

70-130

0.518

Surrogate: Toluene-d8

Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

Carlsbad NM, 88220		Project Number: Project Manager:		nna Byers				11	/18/2024 1:46:21PM
		Volatile O	rganics b	y EPA 802	1B				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445097-BLK1)							Prepared: 1	1/07/24 Ana	alyzed: 11/08/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.7	70-130			
LCS (2445097-BS1)							Prepared: 1	1/07/24 Ana	alyzed: 11/08/24
Benzene	5.22	0.0250	5.00		104	70-130			
Ethylbenzene	5.07	0.0250	5.00		101	70-130			
Toluene	5.16	0.0250	5.00		103	70-130			
o-Xylene	5.06	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.1	70-130			
LCS Dup (2445097-BSD1)							Prepared: 1	1/07/24 Ana	alyzed: 11/08/24
Benzene	4.63	0.0250	5.00		92.6	70-130	11.9	20	
Ethylbenzene	4.49	0.0250	5.00		89.9	70-130	12.1	20	
Toluene	4.57	0.0250	5.00		91.4	70-130	12.1	20	
o-Xylene	4.51	0.0250	5.00		90.2	70-130	11.5	20	
p,m-Xylene	9.17	0.0500	10.0		91.7	70-130	11.9	20	
Total Xylenes	13.7	0.0250	15.0		91.2	70-130	11.7	20	



WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

Carlsbad NM, 88220		Project Manager	r: Ar	na Byers				11/	18/2024 1:46:21P
	Non	halogenated	Organics l	by EPA 801	15D - Gl	RO			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445097-BLK1)							Prepared: 1	1/07/24 Anal	yzed: 11/08/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.7	70-130			
LCS (2445097-BS2)							Prepared: 1	1/07/24 Anal	yzed: 11/08/24
Gasoline Range Organics (C6-C10)	40.9	20.0	50.0		81.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.7	70-130			
LCS Dup (2445097-BSD2)							Prepared: 1	1/07/24 Anal	yzed: 11/08/24
Gasoline Range Organics (C6-C10)	40.0	20.0	50.0		80.1	70-130	2.17	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/18/2024 1:46:21PM

	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: IY	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes	
Blank (2445111-BLK1)						I	Prepared: 1	1/07/24 Ana	lyzed: 11/11/24	
Gasoline Range Organics (C6-C10)	ND	20.0								

Blank (2445111-BLK1)						Prepared: 11	/07/24 Analyz	red: 11/11/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.487		0.500	97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500	97.7	70-130			
Surrogate: Toluene-d8	0.526		0.500	105	70-130			
LCS (2445111-BS2)						Prepared: 11	/07/24 Analyz	red: 11/11/24
Gasoline Range Organics (C6-C10)	53.9	20.0	50.0	108	70-130			
Surrogate: Bromofluorobenzene	0.505		0.500	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500	94.1	70-130			
Surrogate: Toluene-d8	0.520		0.500	104	70-130			
LCS Dup (2445111-BSD2)						Prepared: 11	/07/24 Analyz	red: 11/11/24
Gasoline Range Organics (C6-C10)	52.5	20.0	50.0	105	70-130	2.75	20	
Surrogate: Bromofluorobenzene	0.501		0.500	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500	97.8	70-130			
Surrogate: Toluene-d8	0.523		0.500	105	70-130			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

Carlsbad NM, 88220		Project Manage	r: Ar	nna Byers				1	1/18/2024 1:46:21PM
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445125-BLK1)							Prepared: 1	1/07/24 Ana	alyzed: 11/08/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.9		50.0		85.9	50-200			
LCS (2445125-BS1)							Prepared: 1	1/07/24 An	alyzed: 11/08/24
Diesel Range Organics (C10-C28)	250	25.0	250		100	38-132			
Surrogate: n-Nonane	48.9		50.0		97.7	50-200			
LCS Dup (2445125-BSD1)							Prepared: 1	1/07/24 An	alyzed: 11/08/24
Diesel Range Organics (C10-C28)	241	25.0	250		96.3	38-132	3.89	20	
Surrogate: n-Nonane	48.2		50.0		96.4	50-200			

WPX Energy - Carlsbad	Project Name: East Pecos 22-3 Produced Water Gathering Line		Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM

Carlsbad NM, 88220		Project Manage	r: Ar	nna Byers				11	/18/2024 1:46:21PM	
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO		Analyst: NV		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2445126-BLK1)							Prepared: 1	1/07/24 Ana	alyzed: 11/08/24	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	50.2		50.0		100	50-200				
LCS (2445126-BS1)							Prepared: 1	1/07/24 Ana	lyzed: 11/08/24	
Diesel Range Organics (C10-C28)	250	25.0	250		99.8	38-132				
Surrogate: n-Nonane	48.7		50.0		97.5	50-200				
LCS Dup (2445126-BSD1)							Prepared: 1	1/07/24 Ana	lyzed: 11/09/24	
Diesel Range Organics (C10-C28)	246	25.0	250		98.6	38-132	1.26	20		
Surrogate: n-Nonane	48.4		50.0		96.8	50-200				

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:		
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:46:21PM		

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				11/	18/2024 1:46:21PM
		Anions	by EPA 3	00.0/9056	1				Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2445149-BLK1)							Prepared: 1	1/09/24 Anal	lyzed: 11/11/24
Chloride	ND	20.0							
LCS (2445149-BS1)							Prepared: 1	1/09/24 Anal	lyzed: 11/11/24
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2445149-MS1)				Source:	E411066-	05	Prepared: 1	1/09/24 Anal	lyzed: 11/11/24
Chloride	2980	100	250	2290	275	80-120			M4
Matrix Spike Dup (2445149-MSD1)				Source:	E411066-	05	Prepared: 1	1/09/24 Anal	lyzed: 11/11/24
Chloride	2940	100	250	2290	259	80-120	1.34	20	M4

Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	(East Pecos 22-3 01058-0007 Anna Byers	Produced	l Water Gat	hering Line		Reported:
Guildeau 1 1111, 00220				300.0/9056	<u> </u>				Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2446028-BLK1)							Prepared: 1	1/11/24 Ar	nalyzed: 11/15/24
Chloride	ND	20.0							
LCS (2446028-BS1)							Prepared: 1	1/11/24 Ar	nalyzed: 11/15/24
Chloride	257	20.0	250		103	90-110			
LCS Dup (2446028-BSD1)							Prepared: 1	1/11/24 Ar	nalvzed: 11/15/24

250

20.0

103

90-110

0.164

257

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

ſ	WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/24 13:46

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Client: W	/PX Energ	v Permia	n IIC		Bill To				- 1	hille	e On	V -					-	AT		Т	ED	Λ D-	rogram
	st Pecos 22-			thoring Line	Attention: Jim Raley		1 -1- 1	NO#	Ld		Job		hor		1D	120	3D		tanda	rd	CW		SDWA
	Manager:			mering tine	Address: 5315 Buena Vista Dr.		Lab V	1111	101	'^	010	CV.	M	17	10	20	30	_	day T		CVI	- A	JUVA
	13000 W				City, State, Zip: Carlsbad, NM, 8	8220	LT	110	0		Analy				1	_		J	uay 17	- A		-	RCRA
	te, Zip_Oc		0. 52(0)(0) = 0 =		Phone: 575-885-7502	0220	-	Т			Tilaly	313 011	u ivie	thou	Г –	T	1	T					KCKA
	32-305-6		73703		Email: jim.raley@dvn.com		1	015											10253300		Sta	te	
The second section of the second seco	evon-tean	British .	env.com		WO: 21255735		1	by 8										1	NM	col			TX
					Incident ID: nAB1614039576 and	nAR1616628496		ORO											1.4.4	-	-	712	1/4
					meidene ib. inabidi4035370 dila	11AB1010020430		0/0				0.		_	ΣN						- 1		
Collecte	d by: Edyte	e Konan					1	J/DF	802	8260	0100	300		Anio		1	×		_×				
Time	Date	Matrix	No. of	Sample ID		Lab	Depth(ft.)	TPH GRO/DRO/ORO by 8015	ВТЕХ by 802	VOC by 8260	Metals 6010	Chloride 300.0		Cation/ Anion	BGDOC		GDOC	1			D		
Sampled	Sampled	IVIALITIX	Containers	Sample ID		Number	Dep	TPH	BTE	00	Met	S	TDS	Cati	BGI		GD				Rem	arks	
14:40	11.05.24	S	1		BH05	1 - 1	16'								x								
14:50	11.05.24	S	1		BH05	2	18'								х			T					
15:00	11.05.24	S	1		BH05	3	20'								х			T					
15:10	11.05.24	S	1		BH05	4	22'								х			T					
15:20	11.05.24	S	1		BH05	5	24'								х		-	\vdash					
15:30	11.05.24	S	1		BH05	6	26'	\vdash			-				х	\vdash	-	+	+				
15:40	11.05.24	S	1		BH05	7	28'	-									-	+	-	-			
								-							X	-	-	+-	-	-	majew-		
15:50	11.05.24	S	1		BH05	8	30'								Х			\perp	_				
16:00	11.05.24	S	1		BH05	9	32'								х								
16:10	11.05.24	S	1		BH05	10	34'								х								
Addition	al Instruc	tions:																					
					am aware that tampering with or intentionally mis	labelling the sample	location	,														ample	ed or received
			d fraud and n	nay be grounds for le							раскес	in ice a	it an av	gtemp					subsequ	ent day	s.		
	ed by: (Signa	7			Received by: (Signature)	11 66	4	Time	-00)	Rece	eived	on i	ce:		ab U ∕/ N	se O	nly					
Bellinguish	d Wilsign	twelza	" 111	-6-24 Time	Received by: (Signature)	Date 11.6.	24	Time /	Bo	Õ	T1				T2				T3				
Relinguish	ed by: (Signa	ture)	Date	.1.24 C	Received by (Signature) wou	Date	M	Time	:20		AVG	Tem	o°C	4	1								
Sample Mati	ix: S - Soil, Sd	- Solid, Sg -	Sludge, A - A	queous, O - Other		Container	Type:	g - gla	iss, p			1000000		-	glass	. v - \	/OA	DY NO.			NAME OF STREET	77/20	
					unless other arrangements are made. Hazar													repor	t for the	e anal	ysis of	the	above
					oratory with this COC. The liability of the labo																		



Project Information

Received by OCD: 9/8/2025 10:49:32 AM

Page __2__ of __3_

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

Project Information

Chain	of	Custod

Page	2	of	2
rage	3	OI	0

Client: W	PX Energy	Permiar	ı, LLC.			Bill To				La	b Us	e On	ly					TA	T		EPA P	rogram
				thering Line		Attention: Jim Raley		Lab \	VO#			Job	-	ber		1D	2D	3D	Sta	ndard	CWA	SDWA
Project N	lanager: A	nna Bye	rs			Address: 5315 Buena Vista Dr.		Lab V	1101	06				000	17				5 d	ay TAT		
Address:	13000 W	County R	Rd 100			City, State, Zip: Carlsbad, NM, 88220)					Analy										RCRA
	e, Zip_Od					Phone: 575-885-7502			Π.			<u> </u>						П				
	32-305-64					Email: jim.raley@dvn.com			1015										F		State	L
	von-team		env.com		1	WO: 21255735			by 8										-	NM CO		TX
	TON COUNT	Cottonic				Incident ID: nAB1614039576 and nAB1	616629406		RO										- 1	11111 00	01 /12	11/
Collected	by: Edyte	Konan				incident ID. HABIOI4035370 and HABI	010028430	3	TPH GRO/DRO/ORO by 8015	8021	8260	9010	300.0		Anion	N		¥		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	TPH GR	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	BGDOC		GDOC			Remarks	
18:00	11.05.24	S	1			BH05	21	55'								х						
								/														
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)7					ul	000													7			
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		/																	1			
Addition	al Instruc	ions:					1946										L_					
, (field samp	ler), attest to	the validity a	and authenti	city of this sample. I	l am aw	are that tampering with or intentionally mislabelli	ng the sample l	ocation	,			CO. (1) (1) (1)								n ice the day th		ed or received
			I fraud and n	nay be grounds for le	egal acti	on. Sampled by: EK						packed	in ice a	at an av	g temp	above () but les	s than 6	°C on su	ubsequent day	15.	
Relinquishe	d by: (Signa	tura)	Date	106/24 Time	200	Received by: (Signature)	Date 11-6-2	4	Time O(00		Rece	eived	on i	ce:		ab Us)/ N	se Onl	ly			
Mich	d by: (Signa	prza	les Ut	6-24 Time	,30	Received by: (Signature)	Date 11.6.	7.4	Time /	80		T1				T2				Т3		
Relinguishe	d by: (Signa	ture)	Date	Time	60	Received by: (Signature)	Date III	M	Time	1.30		AVG	Tem	o° qr	4					56-a - T		
ample Matr	x: S - Soil, Sd	- Solid, Sg - S		queous, O - Other		0	Container	Type:	g - gla	ss, p					_	glass.	v-V	OA	-		and All training Cold	
Note: Samp	les are disc	rded 30 da	ays after re	sults are reported		other arrangements are made. Hazardous y with this COC. The liability of the laborator	samples will	be retu	irned	to clie	nt or	dispos	ed of	at the					port f	or the ana	lysis of the	above
						, and the state of	,			P 0.0 1			po. (.				_					



the report.

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Printed: 11/7/2024 9:43:01AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

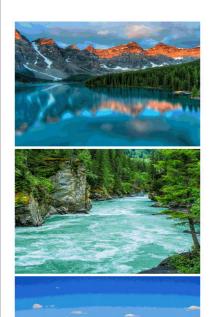
Instructions: Please take note of any NO checkmarks.

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:	11/07/24	07:30	Work Order ID:	E411066	
Phone:	(539) 573-4018	Date Logged In:	11/06/24	15:17	Logged In By:	Caitlin Mars	
Email:	devon-team@etechenv.com	Due Date:	11/15/24	17:00 (6 day TAT)			
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: Courier			
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes		Comment	s/Resolution	
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e 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 th	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples arminutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes				
		temperature. 4	<u>c</u>				
Sample C	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NO NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	2	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lat	· · · · · · · · · · · · · · · · · · ·	ners conected:	165				
	field sample labels filled out with the minimum info	ormation					
	ample ID?	omitation.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
	reservation_						
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ise?	No				
27. If yes,	does the COC specify which phase(s) is to be anal	yzed?	NA				
Subcontr	act Laboratory						
	imples required to get sent to a subcontract laborate	orv?	No				
	subcontract laboratory specified by the client and i	•	NA	Subcontract Lab: NA			
	struction						
Chefft II	<u>istruction</u>						

Date

Report to:
Anna Byers







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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E411087

Job Number: 01058-0007

Received: 11/9/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/18/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

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

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

Date Reported: 11/18/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411087

Date Received: 11/9/2024 10:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/9/2024 10:00:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reporteu:
l	Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/24 14:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH06 4'	E411087-01A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 6'	E411087-02A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 8'	E411087-03A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 10'	E411087-04A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 12'	E411087-05A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 14'	E411087-06A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 16'	E411087-07A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 18'	E411087-08A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 20'	E411087-09A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 22'	E411087-10A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 24'	E411087-11A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 26'	E411087-12A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 28'	E411087-13A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 30'	E411087-14A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 32'	E411087-15A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 34'	E411087-16A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 36'	E411087-17A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 38'	E411087-18A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 40'	E411087-19A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 42'	E411087-20A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 44'	E411087-21A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 46'	E411087-22A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 48'	E411087-23A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 4' E411087-01

		E41100/-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: BA		Batch: 2446012
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: 4-Bromochlorobenzene-PID		96.6 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2446012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2446026
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		107 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: JM		Batch: 2446042
Chloride	1330	200	10	11/12/24	11/12/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 6'

		E411087-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2446012
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: 4-Bromochlorobenzene-PID		95.9 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2446012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2446026
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		101 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2446042
Chloride	1320	200	10	11/12/24	11/12/24	



Anions by EPA 300.0/9056A

Chloride

Sample Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 8'

		E411087-03						
Reporting								
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: E	BA		Batch: 2446012	
Benzene	ND	0.0250	1	Į.	11/11/24	11/14/24		
Ethylbenzene	ND	0.0250	1	Į.	11/11/24	11/14/24		
Toluene	ND	0.0250	1	Į.	11/11/24	11/14/24		
o-Xylene	ND	0.0250	1	Į.	11/11/24	11/14/24		
p,m-Xylene	ND	0.0500	1	ļ	11/11/24	11/14/24		
Total Xylenes	ND	0.0250	1	Į.	11/11/24	11/14/24		
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130		11/11/24	11/14/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: E	ВА		Batch: 2446012	
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/11/24	11/14/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.6 %	70-130		11/11/24	11/14/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: N	NV		Batch: 2446026	
Diesel Range Organics (C10-C28)	ND	25.0	1		11/11/24	11/11/24		
Oil Range Organics (C28-C36)	ND	50.0	1		11/11/24	11/11/24		
Surrogate: n-Nonane		108 %	50-200		11/11/24	11/11/24		

mg/kg

200

mg/kg

1540

Analyst: JM

10

11/12/24

11/12/24



Batch: 2446042

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 10'

		E411087-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446012
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2446026
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		114 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2446042
Chloride	1800	40.0	2	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 12'

		E411087-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2446012
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2446026
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		101 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: JM		Batch: 2446042
Chloride	1670	200	10	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 14'

		E411087-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2446012
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
p-Xylene	ND	0.0250	1	11/11/24	11/14/24	
o,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2446012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2446026
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		102 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: JM		Batch: 2446042
Chloride	1760	200	10	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 16'

E411087-07						
Reporting						
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2446012
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: 4-Bromochlorobenzene-PID		94.9 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	Analyst: BA		Batch: 2446012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2446026
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		115 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: JM		Batch: 2446042
Chloride	1460	100	5	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 18'

E411087-08						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446012
Benzene	ND	0.0500	2	11/11/24	11/14/24	
Ethylbenzene	ND	0.0500	2	11/11/24	11/14/24	
Toluene	ND	0.0500	2	11/11/24	11/14/24	
o-Xylene	ND	0.0500	2	11/11/24	11/14/24	
p,m-Xylene	ND	0.100	2	11/11/24	11/14/24	
Total Xylenes	ND	0.0500	2	11/11/24	11/14/24	
Surrogate: 4-Bromochlorobenzene-PID		94.9 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446012
Gasoline Range Organics (C6-C10)	ND	40.0	2	11/11/24	11/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2446026
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		107 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2446042
Chloride	1880	40.0	2	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 20' E411087-09

		E411007-09				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446012
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2446026
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		98.4 %	50-200	11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2446042
Chloride	1160	20.0	1	11/12/24	11/12/24	·



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 22'

E411087-10						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446012
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	yst: NV		Batch: 2446026
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		104 %	50-200	11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	yst: JM		Batch: 2446042
Chloride	933	20.0	1	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 24'

		E411087-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2446012
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
o,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2446012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2446026
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		106 %	50-200	11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2446042
Chloride	2040	200	10	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 26' E411087-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2446012
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: 4-Bromochlorobenzene-PID		96.4 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2446012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2446026
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		106 %	50-200	11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2446042
Chloride	2090	100	5	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 28'

E411087-13							
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446012	
Benzene	ND	0.0250	1	11/11/24	11/14/24		
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24		
Toluene	ND	0.0250	1	11/11/24	11/14/24		
o-Xylene	ND	0.0250	1	11/11/24	11/14/24		
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24		
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24		
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	11/11/24	11/14/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	11/11/24	11/14/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2446026	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24		
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24		
Surrogate: n-Nonane		105 %	50-200	11/11/24	11/12/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2446042	
Chloride	1870	100	5	11/12/24	11/12/24		



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 30'

		E411087-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446012
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
p-Xylene	ND	0.0250	1	11/11/24	11/14/24	
o,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2446026
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		102 %	50-200	11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2446042
Chloride	1930	200	10	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 32'

		E411087-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446012
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
p-Xylene	ND	0.0250	1	11/11/24	11/14/24	
o,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: 4-Bromochlorobenzene-PID		98.9 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2446012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2446026
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		104 %	50-200	11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2446042
Chloride	1750	40.0	2	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 34' E411087-16

	2.111007 10				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2446012
ND	0.0250	1	11/11/24	11/14/24	
ND	0.0250	1	11/11/24	11/14/24	
ND	0.0250	1	11/11/24	11/14/24	
ND	0.0250	1	11/11/24	11/14/24	
ND	0.0500	1	11/11/24	11/14/24	
ND	0.0250	1	11/11/24	11/14/24	
	97.6 %	70-130	11/11/24	11/14/24	
mg/kg	mg/kg	Analyst: BA			Batch: 2446012
ND	20.0	1	11/11/24	11/14/24	
	91.5 %	70-130	11/11/24	11/14/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2446026
ND	25.0	1	11/11/24	11/12/24	
ND	50.0	1	11/11/24	11/12/24	
	103 %	50-200	11/11/24	11/12/24	
mg/kg	mg/kg	Anal	yst: JM		Batch: 2446042
1640	20.0				
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 91.5 % mg/kg MD 25.0 ND 50.0 103 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 97.6% 70-130 70-130 mg/kg mg/kg Analy ND 20.0 1 ND 25.0 1 ND 50.0 1 103% 50-200 mg/kg Mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0500 1 11/11/24 ND 0.0250 1 11/11/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/11/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/11/24 ND 50.0 1 11/11/24 ND 50.0 1 11/11/24 ND 50.0 1 11/11/24 ND 50.0 1 11/11/24 mg/kg mg/kg Analyst: NV	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 ND 0.0500 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/11/24 11/14/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/11/24 11/12/24 ND 25.0 1 11/11/24 11/12/24 ND 50.0 1 11/11/24 11/12/24 ND 50.0 1 11/11/24 11/12/24 Mg/kg mg/kg Analyst: JM



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 36' E411087-17

		E41108/-1/				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilution	rrepared	Ananyzed	notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446012
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: 4-Bromochlorobenzene-PID		98.3 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2446026
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		99.4 %	50-200	11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2446042
Chloride	1550	20.0	1	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 38'

		E411087-18				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446012
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/11/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	11/11/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2446026
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		108 %	50-200	11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2446042
Chloride	1470	20.0	1	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 40' E411087-19

	E-111007 17				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446012
ND	0.0250	1	11/11/24	11/15/24	
ND	0.0250	1	11/11/24	11/15/24	
ND	0.0250	1	11/11/24	11/15/24	
ND	0.0250	1	11/11/24	11/15/24	
ND	0.0500	1	11/11/24	11/15/24	
ND	0.0250	1	11/11/24	11/15/24	
	100 %	70-130	11/11/24	11/15/24	
mg/kg	mg/kg	Analyst: BA			Batch: 2446012
ND	20.0	1	11/11/24	11/15/24	
	91.9 %	70-130	11/11/24	11/15/24	
mg/kg	mg/kg	Analyst: NV			Batch: 2446026
ND	25.0	1	11/11/24	11/12/24	
ND	50.0	1	11/11/24	11/12/24	
	103 %	50-200	11/11/24	11/12/24	
mg/kg	mg/kg	Ana	lyst: JM		Batch: 2446042
1510	20.0	1	11/12/24	11/12/24	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250 I00 % mg/kg mg/kg mg/kg ND 20.0 91.9 % mg/kg ND 25.0 ND 50.0 103 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 70-130 1 mg/kg mg/kg Ana ND 20.0 1 91.9 % 70-130 1 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 103 % 50-200 mg/kg Mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0500 1 11/11/24 ND 0.0250 1 11/11/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/11/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/11/24 ND 50.0 1 11/11/24 ND 50.0 1 11/11/24 ND 50.0 1 11/11/24 ND 50.0 1 11/11/24 mg/kg mg/kg Analyst: NV	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/11/24 11/15/24 ND 0.0250 1 11/11/24 11/15/24 ND 0.0250 1 11/11/24 11/15/24 ND 0.0500 1 11/11/24 11/15/24 ND 0.0250 1 11/11/24 11/15/24 ND 0.0250 1 11/11/24 11/15/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/11/24 11/15/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/11/24 11/15/24 ND 25.0 1 11/11/24 11/12/24 ND 50.0 1 11/11/24 11/12/24 ND 50.0 1 11/11/24 11/12/24 Mg/kg mg/kg Analyst: JM



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 42'

		E411087-20				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2446012
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID		98.5 %	70-130	11/11/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2446012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	11/11/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: NV		Batch: 2446026
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		105 %	50-200	11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: JM		Batch: 2446042
Chloride	1620	20.0	1	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 44'

		E411087-21				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2446002
Benzene	ND	0.0250	1	11/11/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/17/24	
Toluene	ND	0.0250	1	11/11/24	11/17/24	
o-Xylene	ND	0.0250	1	11/11/24	11/17/24	
o,m-Xylene	ND	0.0500	1	11/11/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		85.0 %	70-130	11/11/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	11/11/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2446027
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/13/24	
Surrogate: n-Nonane		103 %	50-200	11/11/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2446028
Chloride	1560	20.0	1	11/11/24	11/16/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 46'

		E411087-22				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2446002
Benzene	ND	0.0250	1	11/11/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/17/24	
Toluene	ND	0.0250	1	11/11/24	11/17/24	
o-Xylene	ND	0.0250	1	11/11/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		84.4 %	70-130	11/11/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2446002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	11/11/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2446027
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/13/24	
Surrogate: n-Nonane		102 %	50-200	11/11/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2446028
Chloride	1100	20.0	1	11/11/24	11/16/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

BH06 48'

		E411087-23				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2446002
Benzene	ND	0.0250	1	11/11/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/17/24	
Toluene	ND	0.0250	1	11/11/24	11/17/24	
o-Xylene	ND	0.0250	1	11/11/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		84.6 %	70-130	11/11/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2446002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	11/11/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: NV		Batch: 2446027
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/13/24	
Surrogate: n-Nonane		102 %	50-200	11/11/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: DT		Batch: 2446028
Chloride	932	20.0	1	11/11/24	11/16/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr Carlsbad NM, 88220	Project Number: Project Manager:	01058-0007 Anna Byers	11/18/2024 2:17:57PM

5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		.058-0007 nna Byers				1	1/18/2024 2:17:57P	
Volatile Organics by EPA 8021B Analyst: BA										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2446002-BLK1)]	Prepared: 1	1/11/24 An	alyzed: 11/12/24	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.7	70-130				
LCS (2446002-BS1)						1	Prepared: 1	1/11/24 An	alyzed: 11/12/24	
Benzene	5.23	0.0250	5.00		105	70-130				
Ethylbenzene	5.09	0.0250	5.00		102	70-130				
Toluene	5.18	0.0250	5.00		104	70-130				
o-Xylene	5.10	0.0250	5.00		102	70-130				
p,m-Xylene	10.4	0.0500	10.0		104	70-130				
Total Xylenes	15.5	0.0250	15.0		103	70-130				
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.7	70-130				
LCS Dup (2446002-BSD1)						1	Prepared: 1	1/11/24 An	alyzed: 11/12/24	
Benzene	5.14	0.0250	5.00		103	70-130	1.71	20		
Ethylbenzene	5.01	0.0250	5.00		100	70-130	1.61	20		
Toluene	5.10	0.0250	5.00		102	70-130	1.67	20		
o-Xylene	5.01	0.0250	5.00		100	70-130	1.68	20		
o,m-Xylene	10.2	0.0500	10.0		102	70-130	1.61	20		
Total Xylenes	15.2	0.0250	15.0		101	70-130	1.63	20		
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130				



WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

Carlsbad NM, 88220		Project Manager:	Ar	nna Byers				1	1/18/2024 2:17:57PN
Volatile Organics by EPA 8021B Analyst: BA									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446012-BLK1)							Prepared: 1	1/11/24 An	alyzed: 11/15/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.6	70-130			
LCS (2446012-BS1)							Prepared: 1	1/11/24 An	alyzed: 11/15/24
Benzene	4.20	0.0250	5.00		84.0	70-130			
Ethylbenzene	4.17	0.0250	5.00		83.4	70-130			
Foluene	4.23	0.0250	5.00		84.7	70-130			
o-Xylene	4.29	0.0250	5.00		85.8	70-130			
o,m-Xylene	8.52	0.0500	10.0		85.2	70-130			
Total Xylenes	12.8	0.0250	15.0		85.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.3	70-130			
LCS Dup (2446012-BSD1)							Prepared: 1	1/11/24 An	alyzed: 11/15/24
Benzene	4.51	0.0250	5.00		90.2	70-130	7.06	20	
Ethylbenzene	4.49	0.0250	5.00		89.7	70-130	7.34	20	
Toluene	4.56	0.0250	5.00		91.1	70-130	7.31	20	
o-Xylene	4.61	0.0250	5.00		92.1	70-130	7.11	20	
o,m-Xylene	9.16	0.0500	10.0		91.6	70-130	7.24	20	
Total Xylenes	13.8	0.0250	15.0		91.8	70-130	7.20	20	



WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

Carlsbad NM, 88220		Project Number Project Manager		058-0007 nna Byers					11/18/2024 2:17:57PM
	Non	halogenated	Organics l	by EPA 801	15D - G	RO			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446002-BLK1)							Prepared: 1	1/11/24 <i>F</i>	Analyzed: 11/12/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.4	70-130			
LCS (2446002-BS2)							Prepared: 1	1/11/24 <i>A</i>	Analyzed: 11/12/24
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0		94.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			
LCS Dup (2446002-BSD2)							Prepared: 1	1/11/24 <i>A</i>	Analyzed: 11/12/24
Gasoline Range Organics (C6-C10)	45.6	20.0	50.0		91.1	70-130	3.81	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

Carlsbad NM, 88220		Project Manager		nna Byers				11/	18/2024 2:17:57PM
	Non	halogenated	Organics	by EPA 80	15D - G	RO			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446012-BLK1)						I	Prepared: 1	1/11/24 Anal	yzed: 11/15/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			
LCS (2446012-BS2)						I	Prepared: 1	1/11/24 Anal	yzed: 11/15/24
Gasoline Range Organics (C6-C10)	36.6	20.0	50.0		73.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			
LCS Dup (2446012-BSD2)						I	Prepared: 1	1/11/24 Anal	yzed: 11/15/24
Gasoline Range Organics (C6-C10)	38.2	20.0	50.0		76.3	70-130	4.23	20	

8.00

70-130

7.43

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				1	1/18/2024 2:17:57P
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446026-BLK1)							Prepared: 1	1/11/24 An	alyzed: 11/11/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	52.3		50.0		105	50-200			
LCS (2446026-BS1)							Prepared: 1	1/11/24 An	alyzed: 11/11/24
Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132			
urrogate: n-Nonane	54.4		50.0		109	50-200			
Matrix Spike (2446026-MS1)				Source:	E411087-0	09	Prepared: 1	1/11/24 An	alyzed: 11/11/24
Diesel Range Organics (C10-C28)	288	25.0	250	ND	115	38-132			
urrogate: n-Nonane	57.9		50.0		116	50-200			
Matrix Spike Dup (2446026-MSD1)				Source:	E411087-0	09	Prepared: 1	1/11/24 An	alyzed: 11/11/24
Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	38-132	0.752	20	
urrogate: n-Nonane	55.5		50.0		111	50-200			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	·
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				1	1/18/2024 2:17:57PN
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: NV									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446027-BLK1)							Prepared: 1	1/11/24 Ana	alyzed: 11/12/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	50.6		50.0		101	50-200			
LCS (2446027-BS1)							Prepared: 1	1/11/24 Ana	alyzed: 11/12/24
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
urrogate: n-Nonane	51.5		50.0		103	50-200			
Matrix Spike (2446027-MS1)				Source:	E411086-0)5	Prepared: 1	1/11/24 Ana	alyzed: 11/12/24
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132			
urrogate: n-Nonane	52.9		50.0		106	50-200			
Matrix Spike Dup (2446027-MSD1)				Source:	E411086-0)5	Prepared: 1	1/11/24 Ana	alyzed: 11/12/24
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	38-132	3.11	20	
'urrogate: n-Nonane	55.2		50.0		110	50-200			

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 2:17:57PM

Anions by EP	A 300.0/9056A
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Analyst: DT	
	_

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2446028-BLK1)						P	repared: 1	1/11/24 Analy	yzed: 11/15/24	

Blank (2446028-BLK1)						Prepared: 11.	/11/24 Analyzed: 11	1/15/24
Chloride	ND	20.0						
LCS (2446028-BS1)]	Prepared: 11	/11/24 Analyzed: 11	1/15/24
Chloride	257	20.0	250	103	90-110			
LCS Dup (2446028-BSD1)]	Prepared: 11	/11/24 Analyzed: 11	1/15/24
Chloride	257	20.0	250	103	90-110	0.164	20	



WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		East Pecos 22-3	Produced	Water Ga	thering Lir	ne	Rep	oorted:
Carlsbad NM, 88220		Project Manager:		Anna Byers					11/18/2024	4 2:17:57PM
		Anions	by EPA	300.0/9056	A				Analys	st: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPE Limi		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%		Notes
Blank (2446042-BLK1)							Prepared:	11/12/24	Analyzed:	11/12/24
Chloride	ND	20.0								
LCS (2446042-BS1)							Prepared:	11/12/24	Analyzed:	11/12/24
Chloride	249	20.0	250		99.6	90-110				
Matrix Spike (2446042-MS1)				Source:	E411087-0)7	Prepared:	11/12/24	Analyzed:	11/12/24
Chloride	1750	100	250	1460	117	80-120				
Matrix Spike Dup (2446042-MSD1)				Source:	E411087-0)7	Prepared:	11/12/24	Analyzed:	11/12/24
Chloride	1690	100	250	1460	95.0	80-120	3.23	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

ſ	WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/24 14:17

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

Chain of Custody

Page	1	of	3

Received by OCD: 9/8/2025 10:49:32 AM

Client: W	PX Energy	Permiar	, LLC.			Bill To					b Us	e Onl	у			Г		TA	AT	EPA	Program
				thering Line		Attention: Jim Raley		Lab \	NO#			Job I	Vum	ber		1D	2D	3D	Standa	d CWA	SDWA
	lanager: A					Address: 5315 Buena Vista Dr.	101	E4	110	<u>87</u>		010	58	000)/_				5 day T	T	
	13000 W					City, State, Zip: Carlsbad, NM, 882	20	1				Analy	sis an	d Me	thod						RCRA
	e, Zip_Od		79765			Phone: 575-885-7502	117		12												
Acces to the second	32-305-64					Email: jim.raley@dvn.com			80											State	
Email: De	evon-team	@eteche	env.com			WO: 21255735			O by	- "									MM	CO UT A	Z TX
						Incident ID: nAB1614039576 and nAI	B1616628496		/OR							_					
Collected	by: Edyte	Konan						£	TPH GRO/DRO/ORO by 8015	y 8021	,8260	6010	Chloride 300.0		Cation/ Anion	C NM		¥	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	À		Lab Number	Depth(ft.)	TPH GF	BTEX by 8021	VOC by 8260	Metals 6010	Chlorid	TDS	Cation,	верос		GDOC		Remar	ks
8:00	11.06.24	S	1			ВН06	1	4'								х					
8:10	11.06.24	S	1			вн06	2	6'								х					
8:20	11.06.24	S	1			вн06	3	8'								х					
8:30	11.06.24	S	1			вн06	4	10'								х					
8:40	11.06.24	S	1			ВН06	5	12'								х					
8:50	11.06.24	S	1			ВН06	6	14'								х					
9:00	11.06.24	S	1			вн06	7	16'								х					
9:10	11.06.24	S	1			ВН06	8	18'								х					
9:20	11.06.24	S	1			ВН06	9	20'								х					
9:30	11.06.24	S	1			ВН06	10	22'								х					
Addition	al Instruc	ions:																			
				city of this sar nay be ground		ware that tampering with or intentionally mislabe tion. <u>Sampled by:</u> EK	elling the sample I	ocation	,	1)		DANNESS OF STREET	and the same of	4111-340-010-0	Contract to the				ceived on ice the	-cruserous and a second	npled or received
Relinquishe	ed by: (Signa	ture)	Date	07/24	GLO		© 11-7-2	4	Time	601	0	Rece	ived	on ic	e:	53 (8) (5)	ab U	se On	ly		
Remaulto	effects (see	terezal	o Date		Time 1645	Received by: (Signature)	Date 11.8.7	24	Time,	40		T1				T2			T3		
Relinquish	ed by: (Signa	ture)	Date 22	34	Time 11.8.29	Received by Asjenature Man	77. 9.2	24	Time /0'.	ω		AVG	Tem	np °C_	۷	<i> </i>					
Sample Mati	rix: S - Soil, Sd	- Solid, Sg -	Sludge, A - A	queous, O - Ot	her		Container	Type:	g - gla	ss, p	- poly		-			glass	, v - V	/OA			
						ss other arrangements are made. Hazardo													eport for the	analysis of t	he above
samples is	applicable o	nly to those	e samples r	eceived by t	ne laborato	ory with this COC. The liability of the laborat	tory is limited to	the ar	mount	paid f	for on	the re	port.			1					



Project Information

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Chain of Custody

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Received by OCD: 9/8/2025 10:49:32 AM

Client: W	PX Energy	Permiar	n, LLC.			Bill To				La	b Us	e Onl	У					TA	AT T		EPA P	ogram
Project: Ea	st Pecos 22-	3 Produced	l Water Gat	hering Line		Attention: Jim Raley	38.	Lab, V	VO#			Job N	lum	ber		1D	2D	3D	Sta	andard	CWA	SDWA
	1anager: A					Address: 5315 Buena Vista Dr.		E4	VO# //08	<i>57</i>		DIC	58	·	97				5 c	lay TAT		
Address:	13000 W	County F	Rd 100			City, State, Zip: Carlsbad, NM,	88220				-	Analys										RCRA
City, Stat	e, Zip_Od	essa,TX,	79765			Phone: 575-885-7502			5													
Phone: 4	32-305-64	115				Email: jim.raley@dvn.com			801												State	
Email: De	von-team	@eteche	env.com			WO: 21255735			by C					1						NM CO	UT AZ	TX
						Incident ID: nAB1614039576 and	d nAB1616628496)/ORC	- 1			0			_						
Collected	by: Edyte	Konan						2	J/DRG	8021	8260	9010	300.		Anion	N		¥		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	втех ьу	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	верос		ОООО			Remarks	
9:40	11.06.24	S	1			вно6	11	24'								х						
9:50	11.06.24	S	1			BH06	12	26'								х						
10:00	11.06.24	S	1			вно6	13	28'								х						
10:10	11.06.24	S	1			BH06	14	30'								х						
10:20	11.06.24	S	1			ВН06	15	32'								х						
10:30	11.06.24	S	1			вн06	10	34'								х						
10:40	11.06.24	S	1			ВН06	17	36'								х						
10:50	11.06.24	S	1			ВН06	18	38'								х						
11:00	11.06.24	S	1			ВН06	19	40'								х						
11:10	11.06.24	S	1			ВН06	20	42'								х						
Addition	al Instruc	ions:																				
				city of this sample nay be grounds for		rare that tampering with or intentionally mion. Sampled by: EK	nislabelling the sample I	ocation												n ice the day t ubsequent da	hey are sample ys.	ed or received
Relinquishe	ed by: (Signa	ture)	Date U[02/24 Tim	6:00		rles 11-7.2	4	Time	600	0	Rece	ived	on ic	e:	(y		se On	ly			
Relinquishe	ed by: (Signa	ture)	lec 11-	8.24 Tim	645	Received by (Signature)	Date //- &-	24	Time	10		T1				T2				T3		
	ed by: (Signa		Date //	6.24 Tim		Received by (Signature)	Date 11.9.2	4	10.	:00		AVG	Tem	n°C		and the same						
Sample Matr	ix: S - Soil, Sd	- Solid, Sg -	Sludge, A - A	queous, O - Other			Container	Type:	z - gla	ss, p -							v - V	OA				
					ed unless	other arrangements are made. Haz													eport	for the ana	lysis of the	above
						y with this COC. The liability of the lal													120		1957	



Released to	Project Information
I	Client: WPX Energy
lmagii	Project: East Pecos 22-3
2.	Project Manager: A
70	Address: 13000 W (
9	City, State, Zip_Ode
30	Phone: 432-305-64:
9/30/202	Email: Devon-team
125 3:	Collected by: Edyte

Chain of Custody

D	2	- 5	2
Page	3	of	3

Received by OCD: 9/8/2025 10:49:32 AM

Client: W	PX Energy	Permiar	n, LLC.			Bill To	2.1	Lab Use Only					TAT			EPA P	rogram				
	st Pecos 22-			hering Line		Attention: Jim Raley		Lab V	NQ#			Job N				1D	2D	3D	Standard	CWA	SDWA
	lanager: A					Address: 5315 Buena Vista Dr.			4//087			010	58	1.00	η_{\perp}				5 day TAT		
	13000 W					City, State, Zip: Carlsbad, NM, 8	8220				Analysis and Method		hod						RCRA		
	e, Zip_Od		79765			Phone: 575-885-7502			5												
	32-305-64					Email: jim.raley@dvn.com			801										7.00	State	
Email: De	evon-team	@etech	env.com			WO: 21255735	1.141		O by										NM CO	UT AZ	TX
						Incident ID: nAB1614039576 and	nAB1616628496		/OR							_	1				
Collected	by: Edyte	e Konan						ft.)	TPH GRO/DRO/ORO by 8015	y 8021	8260	6010	Chloride 300.0		Cation/ Anion	NM		¥	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	TPH GF	ВТЕХ by 802	VOC by 8260	Metals 6010	Chlorid	TDS	Cation,	BGDOC		СБОС		Remarks	
11:20	11.06.24	S	1			BH06	21	44'								х					-
11:30	11.06.24	S	1			ВН06	22	46'								х					
11:40	11.06.24	S	1			вн06	23	48'								х					
																			100		
		-																			
					10	9124															****
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Addition	al Instruc	tions:																			
I (field same	oler) attest to	the validity	and authent	icity of this say	nnle Lama	ware that tampering with or intentionally mis	slabelling the sample l	ocation				Sample	s requi	ring ther	mal pr	eservat	tion mu	st be rece	eived on ice the day	hey are sample	ed or received
		Sand Introduction		nay be ground			and an analysis		*	1	0.0750	packed	in ice a	at an avg	temp	above (0 but le	ss than 6	°C on subsequent da	ys.	
	ed by: \Signa					Received by: (Signature)	Date		Time							ابلا	ab U	se Onl	٧		
	the	£	111	07124	G 200	Michelle Gonza	lec 11-7-2	4	0	60	00	Rece	ived	on ic	e:	1	// N				
Relinquish	ed by: (Sign	qture)	10.1	8.24	Time 1649	(Received by: (Signature)	Date //-	24	Time	40		T1				E)	<i>(</i>		T3		
	ed by: (Signa		Date //		Time 1234	Received by (Stanature)	Date /1.9.7	24	Time /0	00			Tor	np °C_							
Sample Mat	rix: S - Soil Sr	I - Solid Ser -	Sludge A - A	queous, O - O	ther	Cut- 1.00	Container	Type:	1		- pol						v - V	OA			0.0125,000
	No. of the Control of					ess other arrangements are made. Haza													port for the ana	lysis of the	above
						ory with this COC. The liability of the lab						70							•		



envirotech Inc.

Printed: 11/11/2024 10:36:37AM

Envirotech Analytical Laboratory

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:	11/09/24 1	0:00	Work Order ID:	E411087
Phone:	(575) 200-6754	Date Logged In:	11/08/24 1	2:28	Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	11/15/24 1	7:00 (4 day TAT)		
Chain of	Custody (COC)					
1. Does th	ne sample ID match the COC?		Yes			
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Courie	<u>er</u>	
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Comment</u>	ts/Resolution
Sample T	Curn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e 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			
	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
Sample C		•				
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lal	•					
	field sample labels filled out with the minimum info	ormation:				
	ample ID?		Yes			
	ate/Time Collected?		Yes	<u> </u>		
C	ollectors name?		No			
	reservation					
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
	se Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
28. Are sa	amples required to get sent to a subcontract laborato	ory?	No			
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab: NA	1	
Client Ir	nstruction					

Date

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

Report to:
Anna Byers







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E411077

Job Number: 01058-0007

Received: 11/9/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/14/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 11/14/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411077

Date Received: 11/9/2024 10:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/9/2024 10:00:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line 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

Field Offices:

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Laboratory Technical Representative

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Michelle Gonzales

Client Representative

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Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number: 01058-0007		Keporteu.
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/14/24 08:26

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH06 50'	E411077-01A Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 52'	E411077-02A Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 54'	E411077-03A Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH06 55'	E411077-04A Soil	11/06/24	11/09/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/14/2024 8:26:21AM

BH06 50' E411077-01

		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2445135
Benzene	ND	0.0250		1	11/11/24	11/12/24	
Ethylbenzene	ND	0.0250		1	11/11/24	11/12/24	
Toluene	ND	0.0250		1	11/11/24	11/12/24	
o-Xylene	ND	0.0250		1	11/11/24	11/12/24	
p,m-Xylene	ND	0.0500		1	11/11/24	11/12/24	
Total Xylenes	ND	0.0250		1	11/11/24	11/12/24	
Surrogate: Bromofluorobenzene		95.6 %	70-130		11/11/24	11/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		11/11/24	11/12/24	
Surrogate: Toluene-d8		104 %	70-130		11/11/24	11/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2445135
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/11/24	11/12/24	
Surrogate: Bromofluorobenzene		95.6 %	70-130		11/11/24	11/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		11/11/24	11/12/24	
Surrogate: Toluene-d8		104 %	70-130		11/11/24	11/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446016
Diesel Range Organics (C10-C28)	ND	25.0		1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/11/24	11/12/24	
Surrogate: n-Nonane		110 %	50-200		11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2446056
Chloride	831	20.0	·	1	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/14/2024 8:26:21AM

BH06 52'

		E411077-02							
Reporting									
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2445135		
Benzene	ND	0.0250	1	1	11/11/24	11/12/24			
Ethylbenzene	ND	0.0250		1	11/11/24	11/12/24			
Toluene	ND	0.0250		1	11/11/24	11/12/24			
o-Xylene	ND	0.0250		1	11/11/24	11/12/24			
p,m-Xylene	ND	0.0500		1	11/11/24	11/12/24			
Total Xylenes	ND	0.0250	1	1	11/11/24	11/12/24			
Surrogate: Bromofluorobenzene		96.9 %	70-130		11/11/24	11/12/24			
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		11/11/24	11/12/24			
Surrogate: Toluene-d8		103 %	70-130		11/11/24	11/12/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2445135		
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/11/24	11/12/24			
Surrogate: Bromofluorobenzene		96.9 %	70-130		11/11/24	11/12/24			
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		11/11/24	11/12/24			
Surrogate: Toluene-d8		103 %	70-130		11/11/24	11/12/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446016		
Diesel Range Organics (C10-C28)	ND	25.0		1	11/11/24	11/12/24			
Oil Range Organics (C28-C36)	ND	50.0		1	11/11/24	11/12/24			
Surrogate: n-Nonane		103 %	50-200		11/11/24	11/12/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2446056		
Chloride	808	20.0		1	11/12/24	11/13/24			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/14/2024 8:26:21AM

BH06 54' E411077-03

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2445135
Benzene	ND	0.0250	1	1	11/11/24	11/12/24	
Ethylbenzene	ND	0.0250	1	1	11/11/24	11/12/24	
Toluene	ND	0.0250	1	1	11/11/24	11/12/24	
o-Xylene	ND	0.0250	1	1	11/11/24	11/12/24	
p,m-Xylene	ND	0.0500	1	1	11/11/24	11/12/24	
Total Xylenes	ND	0.0250	1	1	11/11/24	11/12/24	
Surrogate: Bromofluorobenzene		98.9 %	70-130		11/11/24	11/12/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		11/11/24	11/12/24	
Surrogate: Toluene-d8		103 %	70-130		11/11/24	11/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2445135
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	11/11/24	11/12/24	
Surrogate: Bromofluorobenzene		98.9 %	70-130		11/11/24	11/12/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		11/11/24	11/12/24	
Surrogate: Toluene-d8		103 %	70-130		11/11/24	11/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446016
Diesel Range Organics (C10-C28)	ND	25.0	1	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	11/11/24	11/12/24	
Surrogate: n-Nonane		104 %	50-200		11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2446056
Chloride	678	20.0		1	11/12/24	11/13/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/14/2024 8:26:21AM

BH06 55' E411077-04

		E-11077-0-				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2445135
Benzene	ND	0.0250	1	11/11/24	11/12/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/12/24	
Toluene	ND	0.0250	1	11/11/24	11/12/24	
o-Xylene	ND	0.0250	1	11/11/24	11/12/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/12/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/12/24	
Surrogate: Bromofluorobenzene		98.8 %	70-130	11/11/24	11/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	11/11/24	11/12/24	
Surrogate: Toluene-d8		101 %	70-130	11/11/24	11/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2445135
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/12/24	
Surrogate: Bromofluorobenzene		98.8 %	70-130	11/11/24	11/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	11/11/24	11/12/24	
Surrogate: Toluene-d8		101 %	70-130	11/11/24	11/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2446016
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		104 %	50-200	11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: DT		Batch: 2446056



Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

QC Summary Data

WPX Energy - Carlsbad East Pecos 22-3 Produced Water Gathering Line Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Anna Byers 11/14/2024 8:26:21AM Volatile Organic Compounds by EPA 8260B Analyst: IY Spike Source RPD Reporting Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2445135-BLK1) Prepared: 11/08/24 Analyzed: 11/12/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250

LCS (2445135-BS1)					Prepared: 11/08/24 Analyzed: 11/12/24
Benzene	2.25	0.0250	2.50	90.2 7	0-130
Ethylbenzene	2.45	0.0250	2.50	98.0 7	0-130
Toluene	2.34	0.0250	2.50	93.5 7	0-130

0.500

0.500

0.500

99.2

95.3

104

70-130

70-130

70-130

2.49 0.0250 2.50 99.7 70-130 o-Xylene 5.02 5.00 100 70-130 p,m-Xylene 0.0500 7.51 0.0250 7.50 100 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.479 0.500 95.7 70-130 Surrogate: 1,2-Dichloroethane-d4 0.497 0.500 99.4 70-130 Surrogate: Toluene-d8 0.500 103 70-130 0.514

0.496

0.477

0.519

Matrix Spike (2445135-MS1)				Source: E411075-02			Prepared: 11/08/24 Analyzed: 11/12/24
Benzene	2.34	0.0250	2.50	ND	93.7	48-131	
Ethylbenzene	2.58	0.0250	2.50	ND	103	45-135	
Toluene	2.50	0.0250	2.50	ND	100	48-130	
o-Xylene	2.71	0.0250	2.50	ND	108	43-135	
p,m-Xylene	5.45	0.0500	5.00	ND	109	43-135	
Total Xylenes	8.16	0.0250	7.50	ND	109	43-135	
G . D . A . I	0.406		0.500		00.1	70 120	

Matrix Spike Dup (2445135-MSD1)				Source: E411075-02			Prepared: 11/08/24 Analyzed: 11/12/2		
Benzene	2.28	0.0250	2.50	ND	91.3	48-131	2.66	23	
Ethylbenzene	2.53	0.0250	2.50	ND	101	45-135	1.88	27	
Toluene	2.47	0.0250	2.50	ND	98.6	48-130	1.35	24	
o-Xylene	2.59	0.0250	2.50	ND	104	43-135	4.38	27	
p,m-Xylene	5.23	0.0500	5.00	ND	105	43-135	4.13	27	
Total Xylenes	7.82	0.0250	7.50	ND	104	43-135	4.21	27	
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/14/2024 8:26:21AM

5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager		058-0007 nna Byers				1:	1/14/2024 8:26:21AN	
Nonhalogenated Organics by EPA 8015D - GRO Analyst: IY										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2445135-BLK1)							Prepared: 1	1/08/24 An	alyzed: 11/12/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3	70-130				
Surrogate: Toluene-d8	0.519		0.500		104	70-130				
LCS (2445135-BS2)							Prepared: 1	1/08/24 An	alyzed: 11/12/24	
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0		98.5	70-130				
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130				
Surrogate: Toluene-d8	0.522		0.500		104	70-130				
Matrix Spike (2445135-MS2)				Source:	E411075-0)2	Prepared: 1	1/08/24 An	alyzed: 11/12/24	
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.7	70-130				
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130				
Surrogate: Toluene-d8	0.526		0.500		105	70-130				
Matrix Spike Dup (2445135-MSD2)				Source:	E411075-0)2	Prepared: 1	1/08/24 An	alyzed: 11/12/24	
Gasoline Range Organics (C6-C10)	53.1	20.0	50.0	ND	106	70-130	8.44	20		
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130				
Surrogate: Toluene-d8	0.524		0.500		105	70-130				



WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/14/2024 8:26:21AM

Carlsbad NM, 88220		Project Manage	r: Aı	nna Byers				11/1	14/2024 8:26:21AI
	Nonha	logenated Or	ganics by	EPA 80151	D - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446016-BLK1)							Prepared: 1	1/11/24 Anal	yzed: 11/12/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.2		50.0		90.4	50-200			
LCS (2446016-BS1)							Prepared: 1	1/11/24 Anal	yzed: 11/12/24
Diesel Range Organics (C10-C28)	233	25.0	250		93.3	38-132			
Surrogate: n-Nonane	49.6		50.0		99.2	50-200			
Matrix Spike (2446016-MS1)				Source:	E411076-0	03	Prepared: 1	1/11/24 Anal	yzed: 11/12/24
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.7	38-132			
Surrogate: n-Nonane	48.7		50.0		97.5	50-200			
Matrix Spike Dup (2446016-MSD1)				Source:	E411076-0	03	Prepared: 1	1/11/24 Anal	yzed: 11/12/24
Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.6	38-132	3.01	20	
Surrogate: n-Nonane	49.3		50.0		98.6	50-200			



WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		East Pecos 22-3	Produced	Water Ga	thering Lin	e	Reported:
Carlsbad NM, 88220		Project Number: Project Manager		Anna Byers					11/14/2024 8:26:21AM
		Anions	by EPA	300.0/9056	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446056-BLK1)							Prepared:	11/12/24 A	nalyzed: 11/12/24
Chloride	ND	20.0							
LCS (2446056-BS1)							Prepared:	11/12/24 A	nalyzed: 11/12/24
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2446056-MS1)				Source:	E411101-0)4	Prepared:	11/12/24 A	nalyzed: 11/12/24
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2446056-MSD1)				Source:	E411101-0)4	Prepared:	11/12/24 A	nalyzed: 11/12/24
Chloride	248	20.0	250	ND	99.2	80-120	3.13	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:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/14/24 08:26

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Received by OCD: 9/8/2025 10:49:32 AM

lient: W	PX Energ	/ Permiar	n, LLC.				Bill To		П			Lal	b Us	e Onl	У					TA	T		EPA P	rograi	m
roject: Ea:	st Pecos 22-	3 Produced	d Water Gat	hering Line		Atte	ntion: Jim Raley			Lab V	VQ#	1877		Job Number		7	1D	2D	3D	Sta	andard	CWA	SDV	NA	
	lanager: /					Add	ress: 5315 Buena Vista Dr.			E4	110	77		010	28.	ou	71				5 c	day TAT			
	13000 W					12001780	State, Zip: Carlsbad, NM, 8822	0			8.0		- 1	Analys	is an	d Me	thod			9-				RCI	RA
	e, Zip_Od		79765			Pho	ne: 575-885-7502				5	1111													
	32-305-64					Ema	il: jim.raley@dvn.com				801												State		
mail: De	von-tean	@etech	env.com			WO:	21255735				O by											NM CO	UT AZ	TX	
						Incid	lent ID: nAB1614039576 and nAB	16166284	96		/OR				1200										
Collected	by: Edyte	Konan								(L)	TPH GRO/DRO/ORO by 8015	, 8021	8260	6010	Chloride 300.0		Anion	NM		¥		×			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Š.			Lab Numb	#25EB	Depth(ft.)	TPH GR	BTEX by	VOC by 8260	Metals 6010	Chlorid	TDS	Cation/Anion	реврос		GDOC			Remarks	;	
11:50	11.06.24	S	1				ВН06			50'								х							
12:00	11.06.24	S	1				ВН06	2		52'								х							
12:10	11.06.24	S	1				BH06	3		54'								х							
12:20	11.06.24	S	1				ВН06	14		55'								х							
							,01																		
					,	1107	124																		
							A TOTAL CONTRACTOR OF THE STATE																		
ddition	al Instruc	tions:																							
(field samp	ler), attest to	the validity	and authenti	city of this san	mple. I a	m aware th	at tampering with or intentionally mislabell	ing the sam	ple lo	ocation,				Sample	s requi	ring the	rmal pr	eservat	ion mu	st be rec	eived o	n ice the day th	iey are samp	led or rec	eived
ate or time	of collection	is considered	d fraud and n	ay be ground	s for lega	al action.	Sampled by: EK	1700 x 11			V.			packed	in ice a	t an av	temp :	above 0	but le	ss than 6	°C on s	subsequent day	5.		
elinquishe	ed by: (Sjgna	ture)	Date	07/24	Time 6.3	ov	Received by: (Signature)	Date 11-7	٠,	4	Time	600		Rece	ived	on ic	ъ.		b U:	se On	ly				
elinguishe / Nick	ed by: (Signa	ture)	Date	824	Time		Received by: (Signature)	Date // //	.2	4	Time 164			T1				T2	,			<u>T3</u>			
	d by: (Signa		Date //.	8.24	Time	134	Received by Signature Man	Date 11.9	.2	4	Time			AVG	Tem	n°C	۷	ł							
ample Matr	ix: S - Soil, Sd	- Solid, Sg -	Sludge, A - A	queous, O - Ot	ther	- /	000000	Contair	ner 1	_								glass.	v - V	OA	1000				A040400
						nless othe	er arrangements are made. Hazardou														eport	for the ana	ysis of the	above	
amples is	applicable o	nly to thos	e samples r	eceived by the	he labo	ratory wit	h this COC. The liability of the laborato	ry is limite	d to	the an	nount	paid f	or on	the re	port.								R 		



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Printed: 11/11/2024 9:50:24AM

Envirotech Analytical Laboratory

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:	11/09/24	10:00		Work Order ID:	E411077
Phone:	(575) 200-6754	Date Logged In:	11/07/24	16:44		Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	11/15/24	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	the sample ID match the COC?		Yes				
	ne sample ID match the COC? he number of samples per sampling site location mat	ch the COC					
	amples dropped off by client or carrier?	on the coc	Yes Yes	C : C	, .		
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier: <u>C</u>	<u>ourier</u>		
	Il samples received within holding time?	ica anaryses.	Yes				
3. Wole a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		103			Comment	s/Resolution
Sample 7	<u> [urn Around Time (TAT)</u>						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e 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				
	the sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes				
	Container	temperature. 1	<u>~</u>				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lal		ers conceica.	103				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	Pate/Time Collected?		Yes	l			
C	follectors name?		No				
Sample I	Preservation_						
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	e?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subconti	act Laboratory						
	amples required to get sent to a subcontract laborator	v?	No				
	subcontract laboratory specified by the client and if	•	NA	Subcontract Lab	·NA		
		50 WHO!	- 1112	Subcontract East	, 1471		
CHent II	nstruction_						

Report to:
Anna Byers







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E411078

Job Number: 01058-0007

Received: 11/9/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 11/15/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 11/15/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411078

Date Received: 11/9/2024 10:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/9/2024 10:00:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line 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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whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Donoutoda
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/24 16:38

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH07 10'	E411078-01A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 12'	E411078-02A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 14'	E411078-03A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 16'	E411078-04A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 18'	E411078-05A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 20'	E411078-06A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 22'	E411078-07A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 24'	E411078-08A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 26'	E411078-09A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 28'	E411078-10A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 30'	E411078-11A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 32'	E411078-12A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 34'	E411078-13A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 36'	E411078-14A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 38'	E411078-15A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 40'	E411078-16A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 42'	E411078-17A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 44'	E411078-18A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 46'	E411078-19A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 48'	E411078-20A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 50'	E411078-21A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 52'	E411078-22A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 54'	E411078-23A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH07 55'	E411078-24A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 10' F411078-01

		E411078-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2445134
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
p-Xylene	ND	0.0250	1	11/11/24	11/13/24	
o,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2445134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2446010
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		106 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2446045
Chloride	716	200	10	11/12/24	11/12/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 12' E411078-02

		E411078-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Kesuit	Lillit	Dilution	Frepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2445134
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2445134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2446010
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		111 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2446045
Chloride	847	200	10	11/12/24	11/12/24	



Report to:
Anna Byers





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E411084

Job Number: 01058-0007

Received: 11/9/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/15/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 11/15/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411084

Date Received: 11/9/2024 10:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/9/2024 10:00:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Sample Summary

WPX Energy - CarlsbadProject Name:East Pecos 22-3 Produced Water Gathering Line5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Anna Byers11/15/24 11:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH08 10'	E411084-01A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 12'	E411084-02A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 14'	E411084-03A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 16'	E411084-04A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 18'	E411084-05A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 20'	E411084-06A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 22'	E411084-07A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 24'	E411084-08A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 26'	E411084-09A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 28'	E411084-10A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 30'	E411084-11A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 32'	E411084-12A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 34'	E411084-13A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 36'	E411084-14A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 38'	E411084-15A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 40'	E411084-16A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 42'	E411084-17A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 44'	E411084-18A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 46'	E411084-19A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 48'	E411084-20A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 50'	E411084-21A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 10' E411084-01

		211100101					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446003
Benzene	ND	0.0250		1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250		1	11/11/24	11/13/24	
Toluene	ND	0.0250		1	11/11/24	11/13/24	
o-Xylene	ND	0.0250		1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500		1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250		1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130		11/11/24	11/13/24	
Surrogate: 1,2-Dichloroethane-d4		91.0 %	70-130		11/11/24	11/13/24	
Surrogate: Toluene-d8		103 %	70-130		11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446003
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130		11/11/24	11/13/24	
Surrogate: 1,2-Dichloroethane-d4		91.0 %	70-130		11/11/24	11/13/24	
Surrogate: Toluene-d8		103 %	70-130		11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446019
Diesel Range Organics (C10-C28)	ND	25.0		1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/11/24	11/11/24	
Surrogate: n-Nonane		107 %	50-200		11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446054
Chloride	454	200		10	11/12/24	11/12/24	



V	VPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5	315 Buena Vista Dr	Project Number:	01058-0007	Reported:
(Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 12' E411084-02

D 1	Reporting	D.1		D 1		N
Kesult	Limit	Dil	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst	: IY		Batch: 2446003
ND	0.0250		1	11/11/24	11/13/24	
ND	0.0250		1	11/11/24	11/13/24	
ND	0.0250		1	11/11/24	11/13/24	
ND	0.0250		1	11/11/24	11/13/24	
ND	0.0500		1	11/11/24	11/13/24	
ND	0.0250		1	11/11/24	11/13/24	
	97.3 %	70-130		11/11/24	11/13/24	
	94.7 %	70-130		11/11/24	11/13/24	
	106 %	70-130		11/11/24	11/13/24	
mg/kg	mg/kg		Analyst	: IY		Batch: 2446003
ND	20.0		1	11/11/24	11/13/24	
	97.3 %	70-130		11/11/24	11/13/24	
	94.7 %	70-130		11/11/24	11/13/24	
	106 %	70-130		11/11/24	11/13/24	
mg/kg	mg/kg		Analyst	: NV		Batch: 2446019
ND	25.0		1	11/11/24	11/11/24	
ND	50.0		1	11/11/24	11/11/24	
	96.8 %	50-200	·	11/11/24	11/11/24	
mg/kg	mg/kg		Analyst	: JM		Batch: 2446054
434	100		5	11/12/24	11/12/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 97.3 % 94.7 % 106 % 106 % mg/kg mg/kg ND 20.0 97.3 % 94.7 % 106 % 106 % mg/kg mg/kg ND 25.0 ND 50.0 96.8 % mg/kg mg/kg mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 97.3 % 70-130 94.7 % 70-130 106 % 70-130 mg/kg mg/kg ND 20.0 97.3 % 70-130 94.7 % 70-130 106 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 97.3 % 70-130 94.7 % 70-130 mg/kg mg/kg Analyst ND 20.0 1 97.3 % 70-130 70-130 106 % 70-130 70-130 mg/kg mg/kg Analyst ND 25.0 1 ND 50.0 1 96.8 % 50-200 mg/kg Mg/kg Analyst	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0500 1 11/11/24 ND 0.0250 1 11/11/24 97.3 % 70-130 11/11/24 94.7 % 70-130 11/11/24 106 % 70-130 11/11/24 97.3 % 70-130 11/11/24 94.7 % 70-130 11/11/24 106 % 70-130 11/11/24 106 % 70-130 11/11/24 106 % 70-130 11/11/24 106 % 70-130 11/11/24 106 % 70-130 11/11/24 106 % 70-130 11/11/24 100 % 70-130 11/11/24 100 % 70-130 11/11/2	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/11/24 11/13/24 ND 0.0500 1 11/11/24 11/13/24 ND 0.0250 1 11/11/24 11/13/24 97.3 % 70-130 11/11/24 11/13/24 94.7 % 70-130 11/11/24 11/13/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/11/24 11/13/24 106 % 70-130 11/11/24 11/13/24 94.7 % 70-130 11/11/24 11/13/24 106 % 70-130 11/11/24 11/13/24 mg/kg mg/kg Analyst: NV ND 50.0 1 11/11/2



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 14' E411084-03

		E411004-03				
Analyte	Result	Reporting Limit	Diluti	on Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Diluti	on Frepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	.nalyst: IY		Batch: 2446003
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	11/11/24	11/13/24	
Surrogate: 1,2-Dichloroethane-d4		91.6 %	70-130	11/11/24	11/13/24	
Surrogate: Toluene-d8		104 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	.nalyst: IY		Batch: 2446003
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	11/11/24	11/13/24	
Surrogate: 1,2-Dichloroethane-d4		91.6 %	70-130	11/11/24	11/13/24	
Surrogate: Toluene-d8		104 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2446019
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		105 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: JM		Batch: 2446054
Chloride	419	200	10	11/12/24	11/12/24	_



V	VPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5	315 Buena Vista Dr	Project Number:	01058-0007	Reported:
(Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 16' E411084-04

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: IY		Batch: 2446003
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		99.9 %	70-130	11/11/24	11/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	11/11/24	11/13/24	
Surrogate: Toluene-d8		103 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	analyst: IY		Batch: 2446003
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		99.9 %	70-130	11/11/24	11/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	11/11/24	11/13/24	
Surrogate: Toluene-d8		103 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: NV		Batch: 2446019
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		100 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	analyst: JM		Batch: 2446054
Chloride	440	200	10	11/12/24	11/12/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 18' E411084-05

Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2446003
Benzene	ND	0.0250		1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250		1	11/11/24	11/13/24	
Toluene	ND	0.0250		1	11/11/24	11/13/24	
o-Xylene	ND	0.0250		1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500		1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250		1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		11/11/24	11/13/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		11/11/24	11/13/24	
Surrogate: Toluene-d8		103 %	70-130		11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2446003
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		11/11/24	11/13/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		11/11/24	11/13/24	
Surrogate: Toluene-d8		103 %	70-130		11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2446019
Diesel Range Organics (C10-C28)	ND	25.0		1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/11/24	11/11/24	
Surrogate: n-Nonane		103 %	50-200	·	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2446054
Chloride	433	200		10	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 20' E411084-06

Analyte	Result	Reporting Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst			Batch: 2446003
Benzene	ND	0.0250		1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250		1	11/11/24	11/13/24	
Toluene	ND	0.0250		1	11/11/24	11/13/24	
o-Xylene	ND	0.0250		1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500		1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250		1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		95.4 %	70-130		11/11/24	11/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		11/11/24	11/13/24	
Surrogate: Toluene-d8		105 %	70-130		11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2446003
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		95.4 %	70-130		11/11/24	11/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		11/11/24	11/13/24	
Surrogate: Toluene-d8		105 %	70-130		11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2446019
Diesel Range Organics (C10-C28)	ND	25.0		1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/11/24	11/11/24	
Surrogate: n-Nonane		98.1 %	50-200		11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2446054
Chloride	476	200		10	11/12/24	11/12/24	



V	VPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5	315 Buena Vista Dr	Project Number:	01058-0007	Reported:
(Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 22' E411084-07

Pacult			ion Propared	Analyzed	Notes
Result	Limit	Diluti	ion Frepared	Allalyzeu	Notes
mg/kg	mg/kg	A	analyst: IY		Batch: 2446003
ND	0.0250	1	11/11/24	11/13/24	
ND	0.0250	1	11/11/24	11/13/24	
ND	0.0250	1	11/11/24	11/13/24	
ND	0.0250	1	11/11/24	11/13/24	
ND	0.0500	1	11/11/24	11/13/24	
ND	0.0250	1	11/11/24	11/13/24	
	97.8 %	70-130	11/11/24	11/13/24	
	97.9 %	70-130	11/11/24	11/13/24	
	104 %	70-130	11/11/24	11/13/24	
mg/kg	mg/kg	A	analyst: IY		Batch: 2446003
ND	20.0	1	11/11/24	11/13/24	
	97.8 %	70-130	11/11/24	11/13/24	
	97.9 %	70-130	11/11/24	11/13/24	
	104 %	70-130	11/11/24	11/13/24	
mg/kg	mg/kg	A	analyst: NV		Batch: 2446019
ND	25.0	1	11/11/24	11/11/24	
ND	50.0	1	11/11/24	11/11/24	
	95.7 %	50-200	11/11/24	11/11/24	
	75.7 70				
mg/kg	mg/kg	A	analyst: JM		Batch: 2446054
	ND ND ND ND ND ND ND ND ND Mg/kg ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 ND 97.8 % 97.9 % 104 % mg/kg mg/kg ND 20.0 97.8 % 97.9 % 104 % 104 % mg/kg mg/kg ND 25.0 ND 50.0	mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 97.8 % 70-130 97.9 % 70-130 104 % 70-130 mg/kg mg/kg ND 20.0 1 97.8 % 70-130 97.9 % 70-130 104 % 70-130 mg/kg mg/kg ND 25.0 1 ND 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0500 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 97.8 % 70-130 11/11/24 97.9 % 70-130 11/11/24 mg/kg mg/kg Analyst: IV ND 20.0 1 11/11/24 97.8 % 70-130 11/11/24 97.9 % 70-130 11/11/24 104 % 70-130 11/11/24 104 % 70-130 11/11/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/11/24 ND 50.0 1 11/11/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IV ND 0.0250 1 11/11/24 11/13/24 ND 0.0250 1 11/11/24 11/13/24 ND 0.0250 1 11/11/24 11/13/24 ND 0.0500 1 11/11/24 11/13/24 ND 0.0500 1 11/11/24 11/13/24 ND 0.0250 1 11/11/24 11/13/24 97.8 % 70-130 11/11/24 11/13/24 97.9 % 70-130 11/11/24 11/13/24 mg/kg mg/kg Analyst: IY 11/11/24 11/13/24 ND 20.0 1 11/11/24 11/13/24 97.8 % 70-130 11/11/24 11/13/24 97.9 % 70-130 11/11/24 11/13/24 104 % 70-130 11/11/24 11/13/24 104 % 70-130 11/11/24 11/13/24



V	VPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5	315 Buena Vista Dr	Project Number:	01058-0007	Reported:
(Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 24' E411084-08

Analyte	Result	Reporting Limit	Diluti	on Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Diluti	on Frepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2446003
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		95.6 %	70-130	11/11/24	11/13/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	11/11/24	11/13/24	
Surrogate: Toluene-d8		105 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2446003
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		95.6 %	70-130	11/11/24	11/13/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	11/11/24	11/13/24	
Surrogate: Toluene-d8		105 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2446019
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		103 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: JM		Batch: 2446054
Chloride	637	200	10	11/12/24	11/12/24	·



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 26' E411084-09

Result			tion	Prepared	Analyzed	Notes
					1 11101) 200	Batch: 2446003
	<u> </u>		Anaryst.		11/12/24	Batch: 2440003
		1				
		1				
		1				
ND	0.0250	1			11/13/24	
ND	0.0500	1		11/11/24	11/13/24	
ND	0.0250	1		11/11/24	11/13/24	
	98.3 %	70-130		11/11/24	11/13/24	
	91.2 %	70-130		11/11/24	11/13/24	
	105 %	70-130		11/11/24	11/13/24	
mg/kg	mg/kg	1	Analyst: 1	IY		Batch: 2446003
ND	20.0	1		11/11/24	11/13/24	
	98.3 %	70-130		11/11/24	11/13/24	
	91.2 %	70-130		11/11/24	11/13/24	
	105 %	70-130		11/11/24	11/13/24	
mg/kg	mg/kg	1	Analyst: 1	NV		Batch: 2446019
ND	25.0	1		11/11/24	11/11/24	
ND	50.0	1	l	11/11/24	11/11/24	
	102 %	50-200		11/11/24	11/11/24	
mg/kg	mg/kg	1	Analyst: .	JM		Batch: 2446054
993	40.0	2	2	11/12/24	11/12/24	
	mg/kg ND mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 98.3 % 91.2 % 105 % mg/kg ND 20.0 98.3 % 91.2 % 105 % 105 % mg/kg mg/kg ND 25.0 ND 50.0 102 % mg/kg mg/kg mg/kg	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 98.3 % 70-130 91.2 % 70-130 105 % 70-130 mg/kg mg/kg ND 20.0 98.3 % 70-130 91.2 % 70-130 105 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 102 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0500 1 ND 0.0250 1 98.3 % 70-130 91.2 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 98.3 % 70-130 1 98.3 % 70-130 1 99.2 % 70-130 1 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 102 % 50-200 mg/kg Mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0500 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 98.3 % 70-130 11/11/24 91.2 % 70-130 11/11/24 105 % 70-130 11/11/24 98.3 % 70-130 11/11/24 91.2 % 70-130 11/11/24 105 % 70-130 11/11/24 105 % 70-130 11/11/24 105 % 70-130 11/11/24 105 % 70-130 11/11/24 105 % 70-130 11/11/24 ND 25.0 1 11/11/24 ND 50.0<	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/11/24 11/13/24 ND 0.0500 1 11/11/24 11/13/24 ND 0.0250 1 11/11/24 11/13/24 98.3 % 70-130 11/11/24 11/13/24 91.2 % 70-130 11/11/24 11/13/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/11/24 11/13/24 91.2 % 70-130 11/11/24 11/13/24 91.2 % 70-130 11/11/24 11/13/24 105 % 70-130 11/11/24 11/13/24 105 % 70-130 11/11/24 11/13/24 ND 50.0 1



V	VPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5	315 Buena Vista Dr	Project Number:	01058-0007	Reported:
(Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 28' E411084-10

	2.1130110					
Popult		Dibe	tion	Droporod	Analyzod	Notes
Resuit	Limit	Dilu	tion	rrepared	Anaryzeu	Notes
mg/kg	mg/kg	1	Analyst: Г	Y		Batch: 2446003
ND	0.0250	1	!	11/11/24	11/14/24	
ND	0.0250	1	l	11/11/24	11/14/24	
ND	0.0250	1	l	11/11/24	11/14/24	
ND	0.0250	1	l	11/11/24	11/14/24	
ND	0.0500	1	l	11/11/24	11/14/24	
ND	0.0250	1	l	11/11/24	11/14/24	
	99.2 %	70-130		11/11/24	11/14/24	
	94.9 %	70-130		11/11/24	11/14/24	
	102 %	70-130		11/11/24	11/14/24	
mg/kg	mg/kg	1	Analyst: Γ	Y		Batch: 2446003
ND	20.0	1		11/11/24	11/14/24	
	99.2 %	70-130		11/11/24	11/14/24	
	94.9 %	70-130		11/11/24	11/14/24	
	102 %	70-130		11/11/24	11/14/24	
mg/kg	mg/kg	1	Analyst: N	IV		Batch: 2446019
ND	25.0	1		11/11/24	11/11/24	
ND	50.0	1	<u> </u>	11/11/24	11/11/24	
	101 %	50-200		11/11/24	11/11/24	
mg/kg	mg/kg		Analyst: J	M		Batch: 2446054
	ND ND ND ND ND ND ND ND ND Mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 99.2 % 94.9 % 102 % 102 % mg/kg mg/kg ND 20.0 99.2 % 94.9 % 102 % 102 % mg/kg mg/kg ND 25.0 ND 50.0	Result Limit Dilu mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 70-130 99.2 % 70-130 94.9 % 70-130 mg/kg mg/kg ND 20.0 99.2 % 70-130 94.9 % 70-130 102 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0	Result Limit Dilution mg/kg mg/kg Analyst: I ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 99.2 % 70-130 94.9 % 70-130 102 % 70-130 mg/kg mg/kg Analyst: I ND 20.0 1 99.2 % 70-130 70-130 102 % 70-130 102 % Mg/kg mg/kg Analyst: N ND 25.0 1 ND 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0500 1 11/11/24 ND 0.0250 1 11/11/24 99.2 % 70-130 11/11/24 99.9 % 70-130 11/11/24 102 % 70-130 11/11/24 99.2 % 70-130 11/11/24 99.9 % 70-130 11/11/24 102 % 70-130 11/11/24 102 % 70-130 11/11/24 102 % 70-130 11/11/24 102 % 70-130 11/11/24 102 % 70-130 11/11/24 ND 25.0 1 11/11/24 ND 50.0 1 11/11/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 ND 0.0500 1 11/11/24 11/14/24 ND 0.0500 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 99.2 % 70-130 11/11/24 11/14/24 102 % 70-130 11/11/24 11/14/24 MD 20.0 1 11/11/24 11/14/24 MD 20.0 1 11/11/24 11/14/24 MD 70-130 11/11/24 11/14/24 MD 70-130 11/11/24 11/14/24 MD 70-130 11/11/24 11/14/24 M

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 30'

		E411084-11					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2446003
Benzene	ND	0.0250		1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250		1	11/11/24	11/14/24	
Toluene	ND	0.0250		1	11/11/24	11/14/24	
o-Xylene	ND	0.0250		1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500		1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250		1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		100 %	70-130		11/11/24	11/14/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130		11/11/24	11/14/24	
Surrogate: Toluene-d8		103 %	70-130		11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2446003
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		100 %	70-130		11/11/24	11/14/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130		11/11/24	11/14/24	
Surrogate: Toluene-d8		103 %	70-130		11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2446019
Diesel Range Organics (C10-C28)	ND	25.0		1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/11/24	11/11/24	
Surrogate: n-Nonane		96.7 %	50-200		11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2446054
Chloride	600	20.0		1	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 32'

E411084-12							
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2446003
Benzene	ND	0.0250		1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250		1	11/11/24	11/14/24	
Toluene	ND	0.0250		1	11/11/24	11/14/24	
o-Xylene	ND	0.0250		1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500		1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250		1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		97.5 %	70-130		11/11/24	11/14/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		11/11/24	11/14/24	
Surrogate: Toluene-d8		105 %	70-130		11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2446003
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		97.5 %	70-130		11/11/24	11/14/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		11/11/24	11/14/24	
Surrogate: Toluene-d8		105 %	70-130		11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2446019
Diesel Range Organics (C10-C28)	ND	25.0		1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/11/24	11/12/24	
Surrogate: n-Nonane		101 %	50-200		11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	JM		Batch: 2446054
Chloride	528	20.0		1	11/12/24	11/12/24	



V	VPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5	315 Buena Vista Dr	Project Number:	01058-0007	Reported:
(Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 34' E411084-13

	E-11100-15					
D 1	Reporting	D.1		D 1		N
Kesult	Limit	Dilt	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2446003
ND	0.0250		1	11/11/24	11/14/24	
ND	0.0250		1	11/11/24	11/14/24	
ND	0.0250		1	11/11/24	11/14/24	
ND	0.0250		1	11/11/24	11/14/24	
ND	0.0500		1	11/11/24	11/14/24	
ND	0.0250		1	11/11/24	11/14/24	
	98.0 %	70-130		11/11/24	11/14/24	
	97.2 %	70-130		11/11/24	11/14/24	
	102 %	70-130		11/11/24	11/14/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2446003
ND	20.0		1	11/11/24	11/14/24	
	98.0 %	70-130		11/11/24	11/14/24	
	97.2 %	70-130		11/11/24	11/14/24	
	102 %	70-130		11/11/24	11/14/24	
mg/kg	mg/kg		Analyst:	NV		Batch: 2446019
ND	25.0		1	11/11/24	11/12/24	
ND	50.0		1	11/11/24	11/12/24	
	105 %	50-200		11/11/24	11/12/24	
mg/kg	mg/kg		Analyst:	JM		Batch: 2446054
665	20.0		1	11/12/24	11/12/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 98.0 % 97.2 % 102 % 102 % mg/kg mg/kg ND 20.0 98.0 % 97.2 % 102 % 102 % mg/kg mg/kg ND 25.0 ND 50.0 105 % mg/kg	Result Limit Dilu mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 98.0 % 70-130 97.2 % 70-130 102 % 70-130 mg/kg mg/kg ND 20.0 98.0 % 70-130 97.2 % 70-130 102 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 98.0 % 70-130 97.2 % 70-130 102 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 98.0 % 70-130 70-130 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 105 % 50-200 mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0500 1 11/11/24 ND 0.0250 1 11/11/24 98.0 % 70-130 11/11/24 97.2 % 70-130 11/11/24 102 % 70-130 11/11/24 98.0 % 70-130 11/11/24 97.2 % 70-130 11/11/24 102 % 70-130 11/11/24 102 % 70-130 11/11/24 102 % 70-130 11/11/24 102 % 70-130 11/11/24 102 % 70-130 11/11/24 102 % 70-130 11/11/24 ND 25.0 1 11/11/24 ND 50.0 <t< td=""><td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 ND 0.0500 1 11/11/24 11/14/24 ND 0.0500 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 ND 70-130 11/11/24 11/14/24 11/14/24 102 % 70-130 11/11/24 11/14/24 11/14/24 Mg/kg mg/kg Analyst: IV 11/11/24 11/14/24 Mg/kg mg/kg Analyst: NV ND 25.0 1 11/11/24 11/14/24 ND 50.0 1 11/11/24 11/12/24 11/12/24 ND 50.0 1</td></t<>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 ND 0.0500 1 11/11/24 11/14/24 ND 0.0500 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 ND 70-130 11/11/24 11/14/24 11/14/24 102 % 70-130 11/11/24 11/14/24 11/14/24 Mg/kg mg/kg Analyst: IV 11/11/24 11/14/24 Mg/kg mg/kg Analyst: NV ND 25.0 1 11/11/24 11/14/24 ND 50.0 1 11/11/24 11/12/24 11/12/24 ND 50.0 1



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 36' E411084-14

Andre	Dl4	Reporting	P.1	4:	D	A a la a -1	N-4
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2446003
Benzene	ND	0.0250		1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250		1	11/11/24	11/14/24	
Toluene	ND	0.0250		1	11/11/24	11/14/24	
o-Xylene	ND	0.0250		1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500		1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250		1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		97.9 %	70-130		11/11/24	11/14/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		11/11/24	11/14/24	
Surrogate: Toluene-d8		105 %	70-130		11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446003
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		97.9 %	70-130		11/11/24	11/14/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		11/11/24	11/14/24	
Surrogate: Toluene-d8		105 %	70-130		11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2446019
Diesel Range Organics (C10-C28)	ND	25.0		1	11/11/24	11/12/24	-
Oil Range Organics (C28-C36)	ND	50.0		1	11/11/24	11/12/24	
Surrogate: n-Nonane		98.3 %	50-200		11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	JM		Batch: 2446054
Chloride	562	20.0		1	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 38' E411084-15

	E411004-15					
D. Iv	Reporting			D 1		N
Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2446003
ND	0.0250	1		11/11/24	11/14/24	
ND	0.0250	1		11/11/24	11/14/24	
ND	0.0250	1		11/11/24	11/14/24	
ND	0.0250	1		11/11/24	11/14/24	
ND	0.0500	1		11/11/24	11/14/24	
ND	0.0250	1		11/11/24	11/14/24	
	98.1 %	70-130		11/11/24	11/14/24	
	93.8 %	70-130		11/11/24	11/14/24	
	103 %	70-130		11/11/24	11/14/24	
mg/kg	mg/kg	_	Analyst:	IY		Batch: 2446003
ND	20.0	1		11/11/24	11/14/24	
	98.1 %	70-130		11/11/24	11/14/24	
	93.8 %	70-130		11/11/24	11/14/24	
	103 %	70-130		11/11/24	11/14/24	
mg/kg	mg/kg		Analyst:	NV		Batch: 2446019
ND	25.0	1		11/11/24	11/12/24	
ND	50.0	1		11/11/24	11/12/24	
	96.1 %	50-200		11/11/24	11/12/24	
mg/kg	mg/kg		Analyst:	JM		Batch: 2446054
	ND ND ND ND ND ND ND ND ND Mg/kg ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 98.1 % 93.8 % 103 % mg/kg ND 20.0 98.1 % 93.8 % 103 % 103 % mg/kg mg/kg ND 25.0 ND 50.0 96.1 %	Reporting Result Limit Dilu mg/kg mg/kg ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 98.1 % 70-130 93.8 % 70-130 103 % 70-130 98.1 % 70-130 93.8 % 70-130 103 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 96.1 % 50-200	Reporting Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 98.1 % 70-130 93.8 % 70-130 103 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 93.8 % 70-130 1 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 96.1 % 50-200	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0500 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 98.1 % 70-130 11/11/24 93.8 % 70-130 11/11/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/11/24 93.8 % 70-130 11/11/24 103 % 70-130 11/11/24 103 % 70-130 11/11/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/11/24 ND 50.0 1 11/11/24 ND 50.0 1 11/11/24	Reporting Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 ND 0.0500 1 11/11/24 11/14/24 ND 0.0500 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 98.1 % 70-130 11/11/24 11/14/24 93.8 % 70-130 11/11/24 11/14/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/11/24 11/14/24 93.8 % 70-130 11/11/24 11/14/24 93.8 % 70-130 11/11/24 11/14/24 103 % 70-130 11/11/24 11/14/24 mg/kg mg/kg Analyst: NV ND 25.0



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 40' E411084-16

	E411084-10					
Popult	Reporting	Dila	tion	Proporad	Analyzad	Notes
Resuit	Limit	Dilui	uon	Prepared	Anaryzeu	notes
mg/kg	mg/kg	A	Analyst: Γ	Y		Batch: 2446003
ND	0.0250	1		11/11/24	11/14/24	
ND	0.0250	1		11/11/24	11/14/24	
ND	0.0250	1		11/11/24	11/14/24	
ND	0.0250	1		11/11/24	11/14/24	
ND	0.0500	1		11/11/24	11/14/24	
ND	0.0250	1		11/11/24	11/14/24	
	99.1 %	70-130		11/11/24	11/14/24	
	93.6 %	70-130		11/11/24	11/14/24	
	102 %	70-130		11/11/24	11/14/24	
mg/kg	mg/kg	A	Analyst: Γ	Y		Batch: 2446003
ND	20.0	1		11/11/24	11/14/24	
	99.1 %	70-130		11/11/24	11/14/24	
	93.6 %	70-130		11/11/24	11/14/24	
	102 %	70-130		11/11/24	11/14/24	
mg/kg	mg/kg	A	Analyst: N	IV		Batch: 2446019
ND	25.0	1		11/11/24	11/12/24	
ND	50.0	1		11/11/24	11/12/24	
	105 %	50-200		11/11/24	11/12/24	
mg/kg	mg/kg	A	Analyst: Jl	M		Batch: 2446054
	ND ND ND ND ND ND ND ND ND Mg/kg ND	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 93.6 % 102 % mg/kg MD 20.0 99.1 % 93.6 % 102 % mg/kg mg/kg mg/kg ND 25.0 ND 50.0	Result Limit Dilute mg/kg mg/kg mg/kg ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 99.1 % 70-130 93.6 % 70-130 mg/kg mg/kg 1 99.1 % 70-130 99.1 % 70-130 93.6 % 70-130 102 % 70-130 mg/kg mg/kg ND 25.0 1 ND 50.0 1 105 % 50-200	Reporting Result Limit Dilution mg/kg mg/kg Analyst: F ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 99.1 % 70-130 93.6 % 70-130 mg/kg mg/kg Analyst: F ND 20.0 1 99.1 % 70-130 93.6 % 70-130 102 % 70-130 mg/kg mg/kg Analyst: N ND 25.0 1 ND 50.0 1 105 % 50-200	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0500 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 99.1 % 70-130 11/11/24 93.6 % 70-130 11/11/24 102 % 70-130 11/11/24 99.1 % 70-130 11/11/24 99.1 % 70-130 11/11/24 102 % 70-130 11/11/24 102 % 70-130 11/11/24 102 % 70-130 11/11/24 ND 25.0 1 11/11/24 ND 25.0 1 11/11/24 ND 50.0 1 11/11/24 ND 50.0 1 <td>Reporting Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/11/24 11/14/24 ND 0.0500 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 99.1 % 70-130 11/11/24 11/14/24 102 % 70-130 11/11/24 11/14/24 102 % 70-130 11/11/24 11/14/24 102 % 70-130 11/11/24 11/14/24 102 % 70-130 11/11/24 11/14/24 11/14/24 102 % 70-130 11/11/24 11/14/24 11/14/24 11/14/24 11/14/24</td>	Reporting Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/11/24 11/14/24 ND 0.0500 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 ND 0.0250 1 11/11/24 11/14/24 99.1 % 70-130 11/11/24 11/14/24 102 % 70-130 11/11/24 11/14/24 102 % 70-130 11/11/24 11/14/24 102 % 70-130 11/11/24 11/14/24 102 % 70-130 11/11/24 11/14/24 11/14/24 102 % 70-130 11/11/24 11/14/24 11/14/24 11/14/24 11/14/24



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 42'

E411084-17							
Reporting							
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2446003
Benzene	ND	0.0250	1	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250		1	11/11/24	11/14/24	
Toluene	ND	0.0250		1	11/11/24	11/14/24	
o-Xylene	ND	0.0250		1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500		1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250		1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		98.5 %	70-130		11/11/24	11/14/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130		11/11/24	11/14/24	
Surrogate: Toluene-d8		104 %	70-130		11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2446003
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		98.5 %	70-130		11/11/24	11/14/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130		11/11/24	11/14/24	
Surrogate: Toluene-d8		104 %	70-130		11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: NV		Batch: 2446019
Diesel Range Organics (C10-C28)	ND	25.0		1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/11/24	11/12/24	
Surrogate: n-Nonane		96.7 %	50-200		11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: JM		Batch: 2446054
Chloride	721	20.0		1	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 44' E411084-18

		E411004-10					
	D. I	Reporting		ı·	D 1		N
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	Y		Batch: 2446003
Benzene	ND	0.0250	1		11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1		11/11/24	11/14/24	
Toluene	ND	0.0250	1		11/11/24	11/14/24	
o-Xylene	ND	0.0250	1		11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1		11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1		11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		96.9 %	70-130		11/11/24	11/14/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		11/11/24	11/14/24	
Surrogate: Toluene-d8		103 %	70-130		11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	_	Analyst: I	Y		Batch: 2446003
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		96.9 %	70-130		11/11/24	11/14/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		11/11/24	11/14/24	
Surrogate: Toluene-d8		103 %	70-130		11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	<u>.</u>	Analyst: N	NV		Batch: 2446019
Diesel Range Organics (C10-C28)	ND	25.0	1		11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	<u> </u>	11/11/24	11/12/24	
Surrogate: n-Nonane		99.5 %	50-200		11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: J	М		Batch: 2446054
Chloride	888	20.0	1		11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 46' E411084-19

		2.1100.17					
Analyte	Result	Reporting Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	•		Batch: 2446003
Benzene	ND	0.0250		1	11/11/24	11/14/24	Butch: 2 1 10003
Ethylbenzene	ND	0.0250		1	11/11/24	11/14/24	
Toluene	ND	0.0250		1	11/11/24	11/14/24	
o-Xylene	ND	0.0250		1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500		1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250		1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		96.6 %	70-130		11/11/24	11/14/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130		11/11/24	11/14/24	
Surrogate: Toluene-d8		103 %	70-130		11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2446003
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		96.6 %	70-130		11/11/24	11/14/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130		11/11/24	11/14/24	
Surrogate: Toluene-d8		103 %	70-130		11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2446019
Diesel Range Organics (C10-C28)	ND	25.0		1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/11/24	11/12/24	
Surrogate: n-Nonane		95.9 %	50-200		11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: JM		Batch: 2446054
Chloride	787	20.0		1	11/12/24	11/12/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 48' E411084-20

		2.1100.20					
Analyta	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dil	ution	Prepared	Anaiyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2446003
Benzene	ND	0.0250		1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250		1	11/11/24	11/14/24	
Toluene	ND	0.0250		1	11/11/24	11/14/24	
o-Xylene	ND	0.0250		1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500		1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250		1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		96.3 %	70-130		11/11/24	11/14/24	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130		11/11/24	11/14/24	
Surrogate: Toluene-d8		104 %	70-130		11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446003
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		96.3 %	70-130		11/11/24	11/14/24	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130		11/11/24	11/14/24	
Surrogate: Toluene-d8		104 %	70-130		11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446019
Diesel Range Organics (C10-C28)	ND	25.0		1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/11/24	11/12/24	
Surrogate: n-Nonane		95.5 %	50-200		11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446054
Chloride	661	20.0		1	11/12/24	11/12/24	
Cinoriae	· · ·	20.0					



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

BH08 50'

		E411084-21				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	Analyst: SL		Batch: 2446002
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	0.0375	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		88.3 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: NV		Batch: 2446016
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		105 %	50-200	11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	alyst: WF		Batch: 2446067
Chloride	591	20.0	1	11/12/24	11/12/24	



WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/15/2024 11:52:04AM

Carlsbad NM, 88220		Project Manage	r: Aı	nna Byers				11/	15/2024 11:52:04AN		
	Vo	Volatile Organic Compounds by EPA 8260B						Analyst: IY			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2446003-BLK1)							Prepared: 1	1/11/24 Anal	lyzed: 11/13/24		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
o-Xylene	ND	0.0250									
p,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130					
Surrogate: Toluene-d8	0.518		0.500		104	70-130					
LCS (2446003-BS1)							Prepared: 1	1/11/24 Anal	lyzed: 11/13/24		
Benzene	2.14	0.0250	2.50		85.8	70-130					
Ethylbenzene	2.41	0.0250	2.50		96.3	70-130					
Toluene	2.29	0.0250	2.50		91.6	70-130					
o-Xylene	2.47	0.0250	2.50		99.0	70-130					
o,m-Xylene	4.92	0.0500	5.00		98.3	70-130					
Total Xylenes	7.39	0.0250	7.50		98.5	70-130					
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130					
Surrogate: Toluene-d8	0.520		0.500		104	70-130					
LCS Dup (2446003-BSD1)							Prepared: 1	1/11/24 Ana	lyzed: 11/13/24		
Benzene	2.27	0.0250	2.50		90.7	70-130	5.64	23			
Ethylbenzene	2.53	0.0250	2.50		101	70-130	5.00	27			
Foluene	2.37	0.0250	2.50		94.9	70-130	3.56	24			
o-Xylene	2.65	0.0250	2.50		106	70-130	7.02	27			
o,m-Xylene	5.30	0.0500	5.00		106	70-130	7.51	27			
Total Xylenes	7.95	0.0250	7.50		106	70-130	7.35	27			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130					

0.500

0.498

70-130



Surrogate: Toluene-d8

Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		.058-0007 nna Byers				11	/15/2024 11:52:04AM
		Volatile Or	ganics l	y EPA 802	1B				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446002-BLK1)							Prepared: 11	1/11/24 Ana	alyzed: 11/12/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.7	70-130			
LCS (2446002-BS1)							Prepared: 11	1/11/24 Ana	alyzed: 11/12/24
Benzene	5.23	0.0250	5.00		105	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.18	0.0250	5.00		104	70-130			
-Xylene	5.10	0.0250	5.00		102	70-130			
o,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.7	70-130			
LCS Dup (2446002-BSD1)							Prepared: 11	1/11/24 Ana	alyzed: 11/12/24
Benzene	5.14	0.0250	5.00		103	70-130	1.71	20	
Ethylbenzene	5.01	0.0250	5.00		100	70-130	1.61	20	
Toluene	5.10	0.0250	5.00		102	70-130	1.67	20	
-Xylene	5.01	0.0250	5.00		100	70-130	1.68	20	
o,m-Xylene	10.2	0.0500	10.0		102	70-130	1.61	20	
Total Xylenes	15.2	0.0250	15.0		101	70-130	1.63	20	



Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

Carlsbad NM, 88220		Project Manager		nna Byers				11/1	5/2024 11:52:04AM
	Non	halogenated	Organics l	by EPA 80	15D - G	RO			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446002-BLK1)]	Prepared: 1	1/11/24 Analy	zed: 11/12/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.4	70-130			
LCS (2446002-BS2)]	Prepared: 1	1/11/24 Analy	zed: 11/12/24
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0		94.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			
LCS Dup (2446002-BSD2)]	Prepared: 1	1/11/24 Analy	zed: 11/12/24
Gasoline Range Organics (C6-C10)	45.6	20.0	50.0		91.1	70-130	3.81	20	

8.00

94.3

70-130

7.54

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/15/2024 11:52:04AM

Nonhalogenated	Organics by	EPA	.8015D -	GRO

Analyst: IY

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

Blank (2446003-BLK1)						Prepared: 11	/11/24 Ana	lyzed: 11/13/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.483		0.500	96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500	97.4	70-130			
Surrogate: Toluene-d8	0.518		0.500	104	70-130			
LCS (2446003-BS2)						Prepared: 11	/11/24 Ana	lyzed: 11/13/24
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0	98.4	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500	99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500	92.8	70-130			
Surrogate: Toluene-d8	0.530		0.500	106	70-130			
LCS Dup (2446003-BSD2)						Prepared: 11	/11/24 Ana	lyzed: 11/13/24
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0	91.4	70-130	7.34	20	
Surrogate: Bromofluorobenzene	0.483		0.500	96.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500	97.7	70-130			
Surrogate: Toluene-d8	0.505		0.500	101	70-130			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

Carlsbad NM, 88220		Project Manage	r: Ar	nna Byers				11/	15/2024 11:52:04A		
	Nonha	logenated Or	ganics by	EPA 80151	D - DRO	/ORO		Analyst: NV			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2446016-BLK1)							Prepared: 1	1/11/24 Ana	lyzed: 11/12/24		
Diesel Range Organics (C10-C28)	ND	25.0									
Oil Range Organics (C28-C36)	ND	50.0									
Surrogate: n-Nonane	45.2		50.0		90.4	50-200					
LCS (2446016-BS1)							Prepared: 1	1/11/24 Ana	lyzed: 11/12/24		
Diesel Range Organics (C10-C28)	233	25.0	250		93.3	38-132					
Surrogate: n-Nonane	49.6		50.0		99.2	50-200					
Matrix Spike (2446016-MS1)				Source:	E411076-0	03	Prepared: 1	1/11/24 Ana	lyzed: 11/12/24		
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.7	38-132					
Surrogate: n-Nonane	48.7		50.0		97.5	50-200					
Matrix Spike Dup (2446016-MSD1)				Source:	E411076-0	03	Prepared: 1	1/11/24 Ana	lyzed: 11/12/24		
Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.6	38-132	3.01	20			
Surrogate: n-Nonane	49.3		50.0		98.6	50-200					



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				11	/15/2024 11:52:04A		
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO		Analyst: NV			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2446019-BLK1)							Prepared: 1	1/11/24 Ana	alyzed: 11/11/24		
Diesel Range Organics (C10-C28)	ND	25.0									
Dil Range Organics (C28-C36)	ND	50.0									
urrogate: n-Nonane	52.9		50.0		106	50-200					
CS (2446019-BS1)							Prepared: 1	1/11/24 Ana	alyzed: 11/11/24		
Diesel Range Organics (C10-C28)	240	25.0	250		96.0	38-132					
urrogate: n-Nonane	50.9		50.0		102	50-200					
Matrix Spike (2446019-MS1)				Source:	E411084-0	07	Prepared: 1	1/11/24 Ana	alyzed: 11/11/24		
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132					
urrogate: n-Nonane	56.2		50.0		112	50-200					
Matrix Spike Dup (2446019-MSD1)				Source:	E411084-0	07	Prepared: 1	1/11/24 Ana	alyzed: 11/11/24		
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132	5.18	20			
urrogate: n-Nonane	51.9		50.0		104	50-200					



Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:							
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 11:52:04AM							

Calisbad Nivi, 88220		Froject Manager	. Ai	ilia Byeis				11	713/2024 11.32.04AWI			
Anions by EPA 300.0/9056A Analyst: JM												
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes			
Blank (2446054-BLK1)							Prepared: 1	1/12/24 An	alyzed: 11/12/24			
Chloride	ND	20.0										
LCS (2446054-BS1)							Prepared: 1	1/12/24 An	alyzed: 11/12/24			
Chloride	246	20.0	250		98.2	90-110						
Matrix Spike (2446054-MS1)				Source:	E411084-0	06	Prepared: 1	1/12/24 An	alyzed: 11/12/24			
Chloride	812	200	250	476	135	80-120			M5			
Matrix Spike Dup (2446054-MSD1)				Source:	E411084-0	06	Prepared: 1	1/12/24 An	alyzed: 11/12/24			

250

200

80-120



QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		East Pecos 22-3	Produced	e	Reported:				
Carlsbad NM, 88220		Project Number: Project Manager:		Anna Byers			11/15/2024 11:52:04AM				
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: WF		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2446067-BLK1)							Prepared:	11/12/24 <i>I</i>	Analyzed: 11/12/24		
Chloride	ND	20.0									
LCS (2446067-BS1)							Prepared:	11/12/24	Analyzed: 11/12/24		
Chloride	230	20.0	250		91.9	90-110					
Matrix Spike (2446067-MS1)				Source:	E411120-0)2	Prepared:	11/12/24	Analyzed: 11/12/24		
Chloride	234	20.0	250	ND	93.4	80-120					
Matrix Spike Dup (2446067-MSD1)				Source:	E411120-0)2	Prepared:	11/12/24 <i>A</i>	Analyzed: 11/12/24		
Chloride	234	20.0	250	ND	93.5	80-120	0.0817	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	rgy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line						
-	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:				
	Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/24 11:52				

M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The

accociated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

Chain	of	Custody

Page	_1_	of	3	Received by OCD: 9/8/2025 10:49:32 AM
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SDW	/A			CD
RCR	A			9/2
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Client: W	nt: WPX Energy Permian, LLC.						Bill To				La	b Us	e Onl	y				TAT			EPA P	ogram
Project: Ea	st Pecos 22-	3 Produced	d Water Ga	thering Lin	ie		Attention: Jim Raley		Lab N	VQ#	Į,	,	Job I	Vum	ber.	,	1D	2D	3D	Standard	CWA	SDWA
	lanager: A						Address: 5315 Buena Vista Dr.		E4	E411084			Job Number 2058-0007							5 day TAT		
	13000 W						City, State, Zip: Carlsbad, NM, 8822	20			Massa Min	- 1	Analys	sis an	d Me	thod						RCRA
	e, Zip_Od		79765				Phone: 575-885-7502			5												
Phone: 4	32-305-64	115					Email: jim.raley@dvn.com														State	
Email: Devon-team@etechenv.com WO: 21255735					WO: 21255735		1	by (1	NM CO	UT AZ	TX		
		- 7					ncident ID: nAB1614039576 and nAE	1616628496	1	ORC												
Collected	l by: Edyte	e Konan							-)/DRO/	8021	3260	010	300.0		Anion	N		¥	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample	ID			Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	верос		GDOC		Remarks	
16:25	11.06.24	S	1				ВН08		10'								х					
16:30	11.06.24	S	1				ВН08	2	12'								х					
16:35	11.06.24	S	1				вн08	3	14'								х				0.001111 0.00 0.0011	
16:40	11.06.24	S	1				вн08	4	16'								х					
16:45	11.06.24	S	1				ВН08	5	18'								х					
16:50	11.06.24	S	1		внов												х					
16:55	11.06.24	S	1				BH08	7	22'								х					
17:00	11.06.24	S	1				ВН08	8	24'								х					
17:05	11.06.24	S	1				BH08	9	26'								х					
17:10	11.06.24	S	1				ВН08	10	28'								х					
Addition	al Instruc	tions:																				
	ler), attest to of collection						are that tampering with or intentionally mislabe on. Sampled by: EK	lling the sample I	ocation						10.4	90000 p. 25				rived on ice the day C on subsequent da		d or received
Relinquishe	ed by: (Signa	ture)	Date 4 [07/24	Time 6:	00	Received by: (Signature) Wishelle Gonzales	Date 11-7-2	4	Time	e 00		Rece	ived	on ic	e:	Lö (Y)	1040 XX	e Onl	У		
	ed by: (Signa		les //-	8.24	Time	45	Received by: (Signature)	Date //- 8 - 2	24	Time 164	41		T1				T2			Т3		
Relinguishe	ed by: (Signa	iture)	Date ///	8-24	Time	36	Received by Signature	Date 11.9.7	14	Time / O:	00			Tem	D°Q		1					
Sample Matr	ix: S - Soil, Sd	- Solid, Sg -	Sludge, A - A	queous, O -	Other_			Container	Type:	<u> </u>				P2000000000000000000000000000000000000		-	lass	v - V	OA		A STATE OF THE PARTY OF THE PAR	
						ınless	other arrangements are made. Hazardou													port for the ana	lysis of the	above
samples is	applicable o	nly to those	e samples r	eceived by	the labo	rator	with this COC. The liability of the laborate	ory is limited to	the ar	nount	paid f	or on	the re	port.	n-woodii (1976) v		· ·	AUGUST II.	woonstrict			CONTRACTOR !



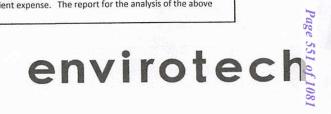
Project	Information

Chain of Custody

Page2	of3 eceived l
rogram SDWA	by OCI
RCRA): 9/8/2
TX	025 10.
	Received by OCD: 9/8/2025 10:49:32 AM

Client: W	PX Energy	Permiar	11C			Bill To				La	b Us	e Onl	/					TA	EPA Pr	ogram	
Client: WPX Energy Permian, LLC. Project: East Pecos 22-3 Produced Water Gathering Line				hering Line		Attention: Jim Raley		Lab V	VO#			Job N	lum	ber		1D	2D	3D	Standard	CWA	SDWA
A CONTRACTOR OF THE PARTY OF TH	lanager: A	A TATAL CAR DO STORES OF THE		nering circ	\dashv	Address: 5315 Buena Vista Dr.		Lab V E 4	110	184	/	ala	584	000	7				5 day TAT		
	13000 W					City, State, Zip: Carlsbad, NM, 88						Analys									RCRA
	e, Zip_Od				1	Phone: 575-885-7502			10												
	32-305-64		75705		-	Email: jim.raley@dvn.com			301										7. 8	State	
	von-team		env com			WO: 21255735			by										NM CO	UT AZ	TX
Litidii. De	von tean	e cccin	2114.00111		\dashv	Incident ID: nAB1614039576 and r	nAB1616628496		ORO											The state of	
						meldent ib. inabio14035370 and i	II/IBIOIOGEO ISO		30/0	н.	0		0.0		E	Σ	8	×	- 1		
Collected	by: Edyte	Konan						3	d/c	802	826	5010	30		Anic			¥	×		
Time	Date		No. of		101630832/3		Lab	th(f	TPH GRO/DRO/ORO by 8015	BTEX by 8	VOC by 8260	Metals 6010	Chloride 300.0		Cation/ Anion	верос		GDOC		Remarks	
Sampled	Sampled	Matrix	Containers	Sample ID			Number	Depth(ft.)	TPH	BTE	NOV	Me	5	TDS	Cat	BG		GB		remarks	
17:15	11.06.24	S	1			BH08	11	30'								х					
17:20	11.06.24	S	1			BH08	12	32'								х					
17:25	11.06.24	S	1			BH08	13	34'								х					
17:30	11.06.24	S	1			BH08	14	36'								х					
17:35	11.06.24	S	1		15	38'								х		3					
17:40	11.06.24	S	1		10	40'								х							
17:45	11.06.24	S	1		17	42'								х							
17:50	11.06.24	S	1			BH08	18	44'								х					
17:55	11.06.24	S	1			BH08	19	46'								х					
18:00	11.06.24	S	1			BH08	20	48'								х					
Addition	al Instruc	tions:							•	**********											
Carrier and Carrie				icity of this sampl		oware that tampering with or intentionally mis	slabelling the sample	location	,			Sample packed	s requ I in ice	iring the at an av	ermal p	reservat above 0	ion mu but le	st be rec	ceived on ice the day o ^o C on subsequent d	they are sampl ays.	ed or received
72.5	ed by: (Sign		Date	Tir	ne 6:0	Received by: (Signature)	rles 11-7-2	4	Time	60	0	Rece	eive	d on i	ce:	Li K	D de	se On	ly		
Relinquished by: (Signature) Date 11-8-24 Time Received by: (Signature)						Date //- 8-2	24	Time //			T1 T2 T3										
Relinquish	ed by: (Sign	ature)	Date //		ne	Received by (Signature	Daty. 9.	74	Time	00		AVG	i Ter	np °C		4					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Contain								Type:	10		- po					glass.	v - V	/OA			
Note: Sam	nles are die	arded 30	lavs after re	esults are renor	ted unle	ess other arrangements are made. Haza	ardous samples will	be ret	urned	to cli	ent o	dispo	sed o	f at th	e clie	nt exp	ense.	The r	eport for the ar	alysis of the	above
samples is	applicable of	nly to the	se samples	received by the	laborat	ory with this COC. The liability of the lab	oratory is limited to	o the a	moun	t paid	for o	n the r	eport	t.					2		





Project Information	1
Client: WPX Energy	,

Chain of Custody

D	2	- 5	2
Page		ot	- 3
, upc _			

Received by OCD: 9/8/2025 10:49:32 AM

Client: W	/PX Energy	y Permia	n, LLC.			Bill To				La	b Us	e Onl	У					TA	T		EPA P	ogram
	st Pecos 22-			hering Line	1	Attention: Jim Raley		Lab \	NQ#			Job N	lum	ber		1D 2D		3D	Stand	Standard C		SDWA
Project N	/lanager: A	Anna Bye	rs			Address: 5315 Buena Vista Dr.		F4	NO#	184	1	Wa	58	000	27				5 day	TAT		
	13000 W					City, State, Zip: Carlsbad, NM, 882	20					Analys								8		RCRA
	e, Zip_Od					Phone: 575-885-7502			T													
	32-305-64					mail: jim.raley@dvn.com		i	3015												State	
	evon-team		env.com	man area de la company		VO: 21255735	76		by 8										NN	I CO	UT AZ	TX
					TROTTE -	ncident ID: nAB1614039576 and nA	31616628496		ORO											\Box		
						neracine ibi ili ibi objet iesse, e ana ili i			30/0	н			0.0		r.	Σ		~				
Collected	by: Edyte	e Konan						Œ	Q/o	805	826	5010	300		Anion			X	×			
Time	Date	Matrix	No. of Containers	Sample ID			Lab	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/	BGDOC		GDOC			Remarks	····
Sampled	Sampled						Number		=	8	×	Σ	Ò	F	Ü		-	9	-			
18:05	11.06.24	S	1			BH08	21	50'								Х						
									\vdash						-				+			
																			_			
						7124																
					110	+1																
					111				_		_											
									1			\Box				\vdash						
									-	_	_					_	-					
/																						
Addition	al Instruc	tions:																				
l, (field samp	oler), attest to	the validity	and authenti	icity of this sample	. I am awa	are that tampering with or intentionally mislab	elling the sample	location	١,												ney are sample	ed or received
				nay be grounds fo	r legal actio				,			packed	in ice a	at an av	g temp				°C on subse	quent day	rs.	
Relinquish	ed by: (Signa	tyre)	Date	0712H TI	:00	Received by: (Signature)	8 11-7-2	4	Time	60	O	Rece	ived	l on i	ce:		ab U 7/N	se On	ly			
Relinquish	ed by: (Signa	iture) 7 onza	les 11-	824 Tim	645	Received by: (Signature)	Date //- //	4	Time 164			T1				T2			<u>T3</u>			
	ed by: (Signa		Date	· 6.74 2		Reserved by (Signatura	Date 11.9.2	24	Time 10	:00	2	AVG	Ten	o° an	4							
Sample Mate	ix: S - Soil. Sd	- Solid, Sg -	Sludge, A - A	queous, O - Other			Container					y/plas	tic, a	g - an	nber	glass	, v - V	OA.				
						other arrangements are made. Hazardo													eport for	the ana	lysis of the	above
						with this COC. The liability of the labora																



envirotech 1081

envirotech Inc.

Printed: 11/11/2024 10:10:10AM

Envirotech Analytical Laboratory

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:	11/09/24	10:00	Work Order ID:	E411084
Phone:	(575) 200-6754	Date Logged In:	11/08/24	11:55	Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	11/15/24	17:00 (4 day TAT)		
Chain of	Custody (COC)					
1. Does th	ne sample ID match the COC?		Yes			
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		Yes		Comment	s/Resolution
Sample T	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C						
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	were custody/security seals intact?					
•	•	·	NA			
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
Sample (Container	-				
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	s?	Yes			
	appropriate volume/weight or number of sample conta		Yes			
Field Lal			100			
	field sample labels filled out with the minimum inf	ormation:				
	ample ID?		Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		No			
_	<u>Preservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved i	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ase?	No			
27. If yes	, does the COC specify which phase(s) is to be anal	yzed?	NA			
Subcontr	act Laboratory					
	amples required to get sent to a subcontract laborate	ory?	No			
	subcontract laboratory specified by the client and	•	NA	Subcontract Lab: NA		
				5400011141		
CHERT II	<u>nstruction</u>					

Date

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

Report to:
Anna Byers





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E411076

Job Number: 01058-0007

Received: 11/9/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/18/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 11/18/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411076

Date Received: 11/9/2024 10:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/9/2024 10:00:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line 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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Client Representative

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

	WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
	Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/24 13:59

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH08 52'	E411076-01A Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 54'	E411076-02A Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
BH08 55'	E411076-03A Soil	11/06/24	11/09/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:59:04PM

BH08 52' E411076-01

		,,,,,					
		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY	,		Batch: 2445135
Benzene	ND	0.0250	1		11/11/24	11/12/24	
Ethylbenzene	ND	0.0250	1		11/11/24	11/12/24	
Toluene	ND	0.0250	1		11/11/24	11/12/24	
o-Xylene	ND	0.0250	1		11/11/24	11/12/24	
p,m-Xylene	ND	0.0500	1		11/11/24	11/12/24	
Total Xylenes	ND	0.0250	1		11/11/24	11/12/24	
Surrogate: Bromofluorobenzene		102 %	70-130		11/11/24	11/12/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		11/11/24	11/12/24	
Surrogate: Toluene-d8		103 %	70-130		11/11/24	11/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY	r		Batch: 2445135
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/11/24	11/12/24	
Surrogate: Bromofluorobenzene		102 %	70-130		11/11/24	11/12/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		11/11/24	11/12/24	
Surrogate: Toluene-d8		103 %	70-130		11/11/24	11/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV	V		Batch: 2446016
Diesel Range Organics (C10-C28)	ND	25.0	1		11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1		11/11/24	11/12/24	
Surrogate: n-Nonane		104 %	50-200		11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: D7	Γ		Batch: 2446028
Chloride	235	20.0	1		11/11/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:59:04PM

BH08 54' E411076-02

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2445135
Benzene	ND	0.0250		1	11/11/24	11/12/24	
Ethylbenzene	ND	0.0250		1	11/11/24	11/12/24	
Toluene	ND	0.0250		1	11/11/24	11/12/24	
o-Xylene	ND	0.0250		1	11/11/24	11/12/24	
p,m-Xylene	ND	0.0500		1	11/11/24	11/12/24	
Total Xylenes	ND	0.0250		1	11/11/24	11/12/24	
Surrogate: Bromofluorobenzene		98.3 %	70-130		11/11/24	11/12/24	
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130		11/11/24	11/12/24	
Surrogate: Toluene-d8		104 %	70-130		11/11/24	11/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2445135
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/11/24	11/12/24	
Surrogate: Bromofluorobenzene		98.3 %	70-130		11/11/24	11/12/24	
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130		11/11/24	11/12/24	
Surrogate: Toluene-d8		104 %	70-130		11/11/24	11/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446016
Diesel Range Organics (C10-C28)	ND	25.0	·	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/11/24	11/12/24	
Surrogate: n-Nonane		98.5 %	50-200		11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2446028
Chloride	232	20.0		1	11/11/24	11/15/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:59:04PM

BH08 55'

E411076-03									
		Reporting							
Analyte	Result	Limit	Dilı	ıtion	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2445135		
Benzene	ND	0.0250		1	11/11/24	11/12/24			
Ethylbenzene	ND	0.0250		1	11/11/24	11/12/24			
Toluene	ND	0.0250		1	11/11/24	11/12/24			
o-Xylene	ND	0.0250		1	11/11/24	11/12/24			
p,m-Xylene	ND	0.0500		1	11/11/24	11/12/24			
Total Xylenes	ND	0.0250		1	11/11/24	11/12/24			
Surrogate: Bromofluorobenzene		101 %	70-130		11/11/24	11/12/24			
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		11/11/24	11/12/24			
Surrogate: Toluene-d8		105 %	70-130		11/11/24	11/12/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2445135		
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/11/24	11/12/24			
Surrogate: Bromofluorobenzene		101 %	70-130		11/11/24	11/12/24			
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		11/11/24	11/12/24			
Surrogate: Toluene-d8		105 %	70-130		11/11/24	11/12/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446016		
Diesel Range Organics (C10-C28)	ND	25.0		1	11/11/24	11/12/24			
Oil Range Organics (C28-C36)	ND	50.0		1	11/11/24	11/12/24			
Surrogate: n-Nonane		98.4 %	50-200		11/11/24	11/12/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2446028		
Chloride	162	20.0		1	11/11/24	11/16/24			



East Pecos 22-3 Produced Water Gathering Line WPX Energy - Carlsbad Project Name: Reported: Project Number: 5315 Buena Vista Dr 01058-0007 Carlsbad NM, 88220 Project Manager: Anna Byers 11/18/2024 1:59:04PM **Volatile Organic Compounds by EPA 8260B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2445135-BLK1) Prepared: 11/08/24 Analyzed: 11/12/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.496 0.500 99.2 70-130 Surrogate: 1,2-Dichloroethane-d4 0.477 0.500 95.3 70-130 0.500 104 70-130 Surrogate: Toluene-d8 0.519 LCS (2445135-BS1) Prepared: 11/08/24 Analyzed: 11/12/24 2.25 0.0250 2.50 90.2 70-130 Benzene 2.45 2.50 98.0 70-130 Ethylbenzene 0.0250 2.34 0.0250 2.50 93.5 70-130 2.49 99.7 70-130 0.0250 2.50 o-Xylene 5.02 100 70-130 p,m-Xylene 0.0500 5.00 7.51 0.0250 7.50 100 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.479 0.500 95.7 70-130 0.500 99.4 70-130 Surrogate: 1,2-Dichloroethane-d4 0.497 70-130 Surrogate: Toluene-d8 0.500 0.514 Matrix Spike (2445135-MS1) Source: E411075-02 Prepared: 11/08/24 Analyzed: 11/12/24 2.34 0.0250 2.50 ND 48-131 45-135 Ethylbenzene 2.58 0.0250 2.50 ND 103 48-130 Toluene 2.50 0.0250 2.50 ND 100 2.71 0.0250 2.50 ND 108 43-135 o-Xylene 5.45 ND 109 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 8.16 0.0250 7.50 ND 109 43-135 0.496 0.500 99.1 70-130 Surrogate: Bromofluorobenzene 0.500 102 70-130 Surrogate: 1,2-Dichloroethane-d4 0.509 70-130 0.522 0.500 Surrogate: Toluene-d8

Source: E411075-02

91.3

98.6

104

105

104

99 7

98.6

48-131

45-135

48-130

43-135

43-135

43-135

70-130

70-130

70-130

2.66

1.88

1.35

4.38

4.13

4.21

ND

ND

ND

ND

ND

ND



Prepared: 11/08/24 Analyzed: 11/12/24

23

27

24

27

27

27

Matrix Spike Dup (2445135-MSD1)

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

2.28

2.53

2.47

2.59

5.23

7.82

0.499

0.493

0.521

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

2.50

2.50

2.50

2.50

5.00

7.50

0.500

0.500

0.500

Surrogate: Bromofluorobenzene

QC Summary Data

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/18/2024 1:59:04PM

	Non		Analyst: IY						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445135-BLK1)							Prepared: 1	1/08/24 Analy	zed: 11/12/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			
LCS (2445135-BS2)							Prepared: 1	1/08/24 Analy	zed: 11/12/24
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0		98.5	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
Matrix Spike (2445135-MS2)				Source:	E411075-0)2	Prepared: 1	1/08/24 Analy	zed: 11/12/24
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.7	70-130			

Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			
Matrix Spike Dup (2445135-MSD2)				Source:	E411075-0	2	Prepared: 11	/08/24 Analyzed: 11/12/24	
Gasoline Range Organics (C6-C10)	53.1	20.0	50.0	ND	106	70-130	8.44	20	
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

0.500

0.496

99.1

70-130

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 1:59:04PM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				11	1/18/2024 1:59:04P
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446016-BLK1)							Prepared: 1	1/11/24 Ana	alyzed: 11/12/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	45.2		50.0		90.4	50-200			
.CS (2446016-BS1)							Prepared: 1	1/11/24 Ana	alyzed: 11/12/24
Diesel Range Organics (C10-C28)	233	25.0	250		93.3	38-132			
urrogate: n-Nonane	49.6		50.0		99.2	50-200			
Matrix Spike (2446016-MS1)				Source:	E411076-0	03	Prepared: 1	1/11/24 Ana	alyzed: 11/12/24
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.7	38-132			
urrogate: n-Nonane	48.7		50.0		97.5	50-200			
Matrix Spike Dup (2446016-MSD1)				Source:	E411076-0	03	Prepared: 1	1/11/24 Ana	alyzed: 11/12/24
Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.6	38-132	3.01	20	
urrogate: n-Nonane	49.3		50.0		98.6	50-200			



WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		East Pecos 22-3	Produced	Water Ga	thering Line		Reported:
Carlsbad NM, 88220		Project Manager		Anna Byers				1	1/18/2024 1:59:04PM
		Anions	by EPA	300.0/9056	A				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits		RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446028-BLK1)							Prepared: 11	/11/24 Ar	alyzed: 11/15/24
Chloride	ND	20.0							
LCS (2446028-BS1)							Prepared: 11	/11/24 Ar	alyzed: 11/15/24
Chloride	257	20.0	250		103	90-110			
LCS Dup (2446028-BSD1)							Prepared: 11	/11/24 Ar	alyzed: 11/15/24
Chloride	257	20.0	250		103	90-110	0.164	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:	East Pecos 22-3 Produced Water Gathering Line		
-	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:	
	Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/24 13:59	

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Inform	ation
Client: WPX Fr	ergy

Chain of Custody

	Pag	e1	1	of_	_1_	-	Received by OCD: 9/8/2025 10:49:32 AM
ī	ogra	m					0
	SD	WA					G
	RC	RA					: 9/8/2
	TX						025 10:4
							19:32 AM

Client: W	/PX Energ	y Permia	n, LLC.				Bill To			100	La	b Us	e On	V				-	TA	T		EPA P	rogram
			Associated and the second	thering Line		Attention: Jim Rale	Э	1939	Lab \	wo#			Job	Num	ber		1D	2D	3D		ndard	CWA	SDWA
	Nanager: .					Address: 5315 Bue	ena Vista Dr.		E4	110	74	0	010	58	100	П				5 d	ay TAT		
Address:	13000 W	County F	Rd 100			City, State, Zip: Car	rlsbad, NM, 88220)		- Indiana			-	-	d Met	ARTHUR PROPERTY.		-		T			RCRA
	te, Zip_Oc		79765			Phone: 575-885-75	502			1.0								Г					
Phone: 4	32-305-6	415				Email: jim.raley@c	lvn.com	FAA		3018										ľ		State	-
Email: De	evon-tean	@etech	env.com			WO: 21255735				by 8										ŀ	NM CO		TX
				***************************************		Incident ID: nAB16:	14039576 and nAR1	616678496		NO OR										-	11111 00	01 /12	170
Collected	d by: Edyte	a Konan				meidene ib. nabio.	14033370 and nAb	1010028430		TPH GRO/DRO/ORO by 8015	021	09	10	0.00		ion	ΣN		¥				
Time	Date	Konan	Т	T	1883				(F)	RO/	8 Ac	y 82	s 60	de 3		/Ar	υ Ω			-	×		
Sampled	Sampled	Matrix	No. of Containers	Sample ID				Lab Number	Depth(ft.)	TPH G	BTEX by 802.	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	BGDOC		GDOC			Remarks	
18:10	11.06.24	S	1			BH08		1	52'								х						
18:15	11.06.24	S	1			BH08		2	54'								х						
18:20	11.06.24	S	1			BH08		3	55'								х				***************************************		
						The second second second														+			
																_			-	+			
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						Water the Control of the Control																	
Addition	al Instruc	tions:						- Assemble of the second		-													
				city of this sam		ware that tampering with o	r intentionally mislabelli ed by: EK	ng the sample l	ocation,	,											ice the day the	ney are sample	d or received
	ed by: (Signa		Date	1	Time 6:00	Received by: (Sign		Date 11-7-2	¥	Time	601)					بَل	ab Us	e Onl				
Relinquishe	ed by: (Signa	ture)	Date		Time [645	Received by: (Sign	nature)	Date 1/2		Time.			T4	ived	on ic		$\boldsymbol{\nu}$	/ N					
	ed by: (Signa		Date	1.6711	Time 122	Received by: (Sign	pature)	Date 11.9.2	4	Time			11		0-	- 	T2				Γ3		
Ample Mate	La lios a wi	Collid Co. 1	Cludes A A	0/9	-01	1 Cuc	1100			1					p °C_		1144						
Note: Same	los aro disc	- 3011d, 3g - 1	ouage, A - A	queous, O - Oth	ner	es other arra		Container	ype: [g - gla	ss, p	- poly	/plas	tic, ag	g - am	ber g	glass,	v - V(JA				
samples is	applicable o	nly to those	e samples r	eceived by th	e laborato	s other arrangements a ry with this COC. The lia	bility of the laborator	samples will	be retu	urned t	o clie	nt or	aispos	ed of	at the	clien	t expe	ense.	The re	port f	or the anal	ysis of the	above
		,	- Jupic3 1	TOTAL DY LIT	- 10001010	., and coc. the na	omey or the laborator	y is milited to	the all	nount	hain I	or on	rue te	port.									



expense. The report for the analysis of the above

Page 566 of 1081

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envirotech Inc.

Printed: 11/11/2024 9:40:46AM

Envirotech Analytical Laboratory

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:	11/09/24 1	0:00	Work Order ID:	E411076
Phone:	(575) 200-6754	Date Logged In:	11/07/24 1	6:38	Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	11/15/24 1	7:00 (4 day TAT)		
Chain of	Custody (COC)					
1. Does th	ne sample ID match the COC?		Yes			
2. Does th	e number of samples per sampling site location ma	tch the COC	Yes			
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: Courier	<u>.</u>	
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes		<u>Comment</u>	ts/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e 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			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample C			-			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lat	· · ·	ners concerca.	105			
	field sample labels filled out with the minimum info	ormation:				
	ample ID?	ormation.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		No			
Sample P	<u>reservation</u>					
21. Does	the COC or field labels indicate the samples were pr	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	se?	No			
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
	imples required to get sent to a subcontract laborato	rv?	No			
	subcontract laboratory specified by the client and it	-	NA	Subcontract Lab: NA		
				Subcontract East, 1411		
Chent II	<u>istruction</u>					

Date

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

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 14'

		E411078-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: BA		Batch: 2445134
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		99.7 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: BA		Batch: 2445134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2446010
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		112 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2446045
Chloride	1300	200	10	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 16' E411078-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2445134
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		98.8 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2445134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2446010
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		110 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2446045
Chloride	1320	200	10	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 18' E411078-05

		E-111070 03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2445134
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2445134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2446010
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		111 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: WF		Batch: 2446045
Chloride	1320	200	10	11/12/24	11/12/24	



Γ	WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
	Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 20' E411078-06

		E-11070-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: BA		Batch: 2445134
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
p-Xylene	ND	0.0250	1	11/11/24	11/13/24	
o,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2445134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.0 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2446010
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		115 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: WF		Batch: 2446045
Chloride	1310	200	10	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 22' E411078-07

		E4110/8-0/				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
				•		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2445134
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		99.3 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2445134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2446010
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		110 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: WF		Batch: 2446045
Chloride	1060	200	10	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 24' E411078-08

		E411076-06				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2445134
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2445134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2446010
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		108 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2446045
Chloride	1060	200	10	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 26' E411078-09

		E-111070 07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2445134
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	70-130	11/11/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2445134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	11/11/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2446010
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		114 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: WF		Batch: 2446045
Chloride	1240	200	10	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 28' E411078-10

		E-11070-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2445134
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g/kg Analyst: BA			Batch: 2445134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.6 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg Analyst: NV		yst: NV		Batch: 2446010
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		109 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: WF		Batch: 2446045
Chloride	1750	20.0	1	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 30' E411078-11

		E4110/8-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tillalyee	resur	Emit	Bitation	Trepared	7 Hary Zea	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2445134
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2445134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2446010
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		114 %	50-200	11/11/24	11/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2446045
Chloride	2010	20.0	1	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 32'

		E411078-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2445134
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		99.3 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2445134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2446010
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		110 %	50-200	11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2446045
Chloride	1850	20.0	1	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 34' E411078-13

		E4110/0-13				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
-				•	,	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anai	yst: BA		Batch: 2445134
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2445134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2446010
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		109 %	50-200	11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2446045
Chloride	1390	20.0	1	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 36' E411078-14

		2.110.01.				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		st: BA	<u> </u>	Batch: 2445134
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		98.9 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2445134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2446010
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		107 %	50-200	11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2446045
Chloride	1200	20.0	1	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 38' E411078-15

		E411076-13				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: BA		Batch: 2445134
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: BA		Batch: 2445134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.6 %	70-130	11/11/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2446010
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		109 %	50-200	11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2446045
Chloride	737	20.0	1	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 40' E411078-16

		E-11070-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: BA		Batch: 2445134
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: 4-Bromochlorobenzene-PID		98.9 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: BA		Batch: 2445134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: NV		Batch: 2446010
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		109 %	50-200	11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: WF		Batch: 2446045
Chloride	677	20.0	1	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 42'

		E411078-17					
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2445134	
Benzene	ND	0.0250	1	11/11/24	11/14/24		
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24		
Toluene	ND	0.0250	1	11/11/24	11/14/24		
o-Xylene	ND	0.0250	1	11/11/24	11/14/24		
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24		
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24		
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	11/11/24	11/14/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2445134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.1 %	70-130	11/11/24	11/14/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: NV		Batch: 2446010	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24		
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24		
Surrogate: n-Nonane		108 %	50-200	11/11/24	11/12/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: WF		Batch: 2446045	
Chloride	672	20.0	1	11/12/24	11/12/24		



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 44' E411078-18

		E4110/8-18				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Maryo	Result	Liiiit	Dilution	Trepared	7 thary zed	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2445134
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: 4-Bromochlorobenzene-PID		98.9 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: BA		Batch: 2445134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2446010
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		110 %	50-200	11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2446045
Chloride	633	20.0	1	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 46' E411078-19

		L-111070 17				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2445134
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: 4-Bromochlorobenzene-PID		98.8 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2445134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2446010
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		112 %	50-200	11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2446045
Chloride	928	20.0	1	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 48' E411078-20

		E4110/8-20				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Maryo	Result	Liiiit	Ditation	Trepared	Maryzed	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2445134
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: 4-Bromochlorobenzene-PID		98.3 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2445134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	11/11/24	11/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2446010
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		108 %	50-200	11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2446045
Chloride	868	20.0	1	11/12/24	11/12/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 50' E411078-21

Domlt	Reporting	D:I	lution	Duomonod	Analyzad	Notes
Result	Limit	Dil	lution	Prepared	Anaiyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2445135
ND	0.0250		1	11/11/24	11/12/24	
ND	0.0250		1	11/11/24	11/12/24	
ND	0.0250		1	11/11/24	11/12/24	
ND	0.0250		1	11/11/24	11/12/24	
ND	0.0500		1	11/11/24	11/12/24	
ND	0.0250		1	11/11/24	11/12/24	
	97.2 %	70-130		11/11/24	11/12/24	
	95.0 %	70-130		11/11/24	11/12/24	
	105 %	70-130		11/11/24	11/12/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2445135
ND	20.0		1	11/11/24	11/12/24	
	97.2 %	70-130		11/11/24	11/12/24	
	95.0 %	70-130		11/11/24	11/12/24	
	105 %	70-130		11/11/24	11/12/24	
mg/kg	mg/kg		Analyst:	NV		Batch: 2446016
ND	25.0		1	11/11/24	11/12/24	
ND	50.0		1	11/11/24	11/12/24	
	108 %	50-200		11/11/24	11/12/24	
mg/kg	mg/kg		Analyst:	DT		Batch: 2446056
908	20.0		1	11/12/24	11/13/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 97.2 % 95.0 % 105 % 105 % mg/kg mg/kg ND 20.0 97.2 % 95.0 % 105 % 105 % mg/kg mg/kg ND 25.0 ND 50.0 108 % mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 97.2 % 70-130 95.0 % 70-130 105 % 70-130 97.2 % 70-130 97.2 % 70-130 95.0 % 70-130 105 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 97.2 % 70-130 95.0 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 97.2 % 70-130 1 95.0 % 70-130 1 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 108 % 50-200 mg/kg Mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0500 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 97.2 % 70-130 11/11/24 95.0 % 70-130 11/11/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/11/24 97.2 % 70-130 11/11/24 95.0 % 70-130 11/11/24 105 % 70-130 11/11/24 105 % 70-130 11/11/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/11/24 ND 50.0 1 11/11/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/11/24 11/12/24 ND 0.0500 1 11/11/24 11/12/24 ND 0.0250 1 11/11/24 11/12/24 97.2 % 70-130 11/11/24 11/12/24 95.0 % 70-130 11/11/24 11/12/24 mg/kg mg/kg Analyst: IY 11/11/24 11/12/24 ND 20.0 1 11/11/24 11/12/24 97.2 % 70-130 11/11/24 11/12/24 95.0 % 70-130 11/11/24 11/12/24 105 % 70-130 11/11/24 11/12/24 mg/kg mg/kg Analyst: NV ND



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 52' E411078-22

	D. I	Reporting	D.1	.·	D 1		N
Analyte	Result	Limit	Dili	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2445135
Benzene	ND	0.0250		1	11/11/24	11/12/24	
Ethylbenzene	ND	0.0250		1	11/11/24	11/12/24	
Toluene	ND	0.0250		1	11/11/24	11/12/24	
o-Xylene	ND	0.0250		1	11/11/24	11/12/24	
p,m-Xylene	ND	0.0500		1	11/11/24	11/12/24	
Total Xylenes	ND	0.0250		1	11/11/24	11/12/24	
Surrogate: Bromofluorobenzene		98.7 %	70-130		11/11/24	11/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		11/11/24	11/12/24	
Surrogate: Toluene-d8		105 %	70-130		11/11/24	11/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2445135
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/11/24	11/12/24	
Surrogate: Bromofluorobenzene		98.7 %	70-130		11/11/24	11/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		11/11/24	11/12/24	
Surrogate: Toluene-d8		105 %	70-130		11/11/24	11/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446016
Diesel Range Organics (C10-C28)	ND	25.0	-	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/11/24	11/12/24	
Surrogate: n-Nonane		104 %	50-200		11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2446056
Chloride	825	20.0		1	11/12/24	11/13/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 54' E411078-23

P. 1.	Reporting	F.:				N.
Result	Limit	Dil	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2445135
ND	0.0250		1	11/11/24	11/12/24	
ND	0.0250		1	11/11/24	11/12/24	
ND	0.0250		1	11/11/24	11/12/24	
ND	0.0250		1	11/11/24	11/12/24	
ND	0.0500		1	11/11/24	11/12/24	
ND	0.0250		1	11/11/24	11/12/24	
	99.7 %	70-130		11/11/24	11/12/24	
	97.9 %	70-130		11/11/24	11/12/24	
	106 %	70-130		11/11/24	11/12/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2445135
ND	20.0		1	11/11/24	11/12/24	
	99.7 %	70-130		11/11/24	11/12/24	
	97.9 %	70-130		11/11/24	11/12/24	
	106 %	70-130		11/11/24	11/12/24	
mg/kg	mg/kg		Analyst:	NV		Batch: 2446016
ND	25.0		1	11/11/24	11/12/24	
ND	50.0		1	11/11/24	11/12/24	
	104 %	50-200		11/11/24	11/12/24	
mg/kg	mg/kg		Analyst:	DT		Batch: 2446056
808	20.0	•	1	11/12/24	11/13/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 99.7 % 97.9 % 106 % 106 % mg/kg mg/kg ND 20.0 99.7 % 97.9 % 106 % 106 % mg/kg mg/kg ND 25.0 ND 50.0 104 % mg/kg mg/kg mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 99.7 % 70-130 97.9 % 70-130 106 % 70-130 99.7 % 70-130 99.7 % 70-130 99.7 % 70-130 99.7 % 70-130 97.9 % 70-130 106 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 104 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 99.7 % 70-130 97.9 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 99.7 % 70-130 1 99.7 % 70-130 1 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 104 % 50-200 mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0250 1 11/11/24 ND 0.0500 1 11/11/24 ND 0.0250 1 11/11/24 ND 70-130 11/11/24 97.9 % 70-130 11/11/24 106 % 70-130 11/11/24 MD 20.0 1 11/11/24 99.7 % 70-130 11/11/24 97.9 % 70-130 11/11/24 106 % 70-130 11/11/24 106 % 70-130 11/11/24 106 % 70-130 11/11/24 ND 25.0 1 11/11/24 ND 50.0 1 11/11/24 ND 50.0 1 11/11/24 10	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/11/24 11/12/24 ND 0.0500 1 11/11/24 11/12/24 ND 0.0250 1 11/11/24 11/12/24 99.7 % 70-130 11/11/24 11/12/24 97.9 % 70-130 11/11/24 11/12/24 mg/kg mg/kg Analyst: IY 11/11/24 11/12/24 ND 20.0 1 11/11/24 11/12/24 99.7 % 70-130 11/11/24 11/12/24 97.9 % 70-130 11/11/24 11/12/24 106 % 70-130 11/11/24 11/12/24 mg/kg mg/kg Analyst: NV ND



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

BH07 55' E411078-24

		2.110.02.					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
maye			Dii		•	Anaryzed	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2445135
Benzene	ND	0.0250		1	11/11/24	11/12/24	
Ethylbenzene	ND	0.0250		1	11/11/24	11/12/24	
Toluene	ND	0.0250		1	11/11/24	11/12/24	
o-Xylene	ND	0.0250		1	11/11/24	11/12/24	
p,m-Xylene	ND	0.0500		1	11/11/24	11/12/24	
Total Xylenes	ND	0.0250		1	11/11/24	11/12/24	
Surrogate: Bromofluorobenzene		97.4 %	70-130		11/11/24	11/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		11/11/24	11/12/24	
Surrogate: Toluene-d8		104 %	70-130		11/11/24	11/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2445135
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/11/24	11/12/24	
Surrogate: Bromofluorobenzene		97.4 %	70-130		11/11/24	11/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		11/11/24	11/12/24	
Surrogate: Toluene-d8		104 %	70-130		11/11/24	11/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446016
Diesel Range Organics (C10-C28)	ND	25.0		1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/11/24	11/12/24	
Surrogate: n-Nonane		101 %	50-200		11/11/24	11/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2446056
Chloride	376	20.0		1	11/12/24	11/13/24	



QC Summary Data

East Pecos 22-3 Produced Water Gathering Line WPX Energy - Carlsbad Project Name: Reported: Project Number: 5315 Buena Vista Dr 01058-0007 Carlsbad NM, 88220 Project Manager: Anna Byers 11/15/2024 4:38:20PM **Volatile Organic Compounds by EPA 8260B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2445135-BLK1) Prepared: 11/08/24 Analyzed: 11/12/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.496 0.500 99.2 70-130 Surrogate: 1,2-Dichloroethane-d4 0.477 0.500 95.3 70-130 0.500 104 70-130 Surrogate: Toluene-d8 0.519 LCS (2445135-BS1) Prepared: 11/08/24 Analyzed: 11/12/24 2.25 0.0250 2.50 90.2 70-130 Benzene 2.45 2.50 98.0 70-130 Ethylbenzene 0.0250 2.34 0.0250 2.50 93.5 70-130 2.49 99.7 70-130 0.0250 2.50 o-Xylene 5.02 100 70-130 p,m-Xylene 0.0500 5.00 7.51 0.0250 7.50 100 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.479 0.500 95.7 70-130 0.500 99.4 70-130 Surrogate: 1,2-Dichloroethane-d4 0.497 70-130 Surrogate: Toluene-d8 0.500 0.514 Matrix Spike (2445135-MS1) Source: E411075-02 Prepared: 11/08/24 Analyzed: 11/12/24 2.34 0.0250 2.50 ND 48-131 45-135 Ethylbenzene 2.58 0.0250 2.50 ND 103 48-130 Toluene 2.50 0.0250 2.50 ND 100 2.71 0.0250 2.50 ND 108 43-135 o-Xylene 5.45 ND 109 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 8.16 0.0250 7.50 ND 109 43-135 0.496 0.500 99.1 70-130 Surrogate: Bromofluorobenzene 0.500 102 70-130 Surrogate: 1,2-Dichloroethane-d4 0.509 70-130 0.522 0.500 Surrogate: Toluene-d8

Source: E411075-02

91.3

98.6

104

105

104

99 7

98.6

48-131

45-135

48-130

43-135

43-135

43-135

70-130

70-130

70-130

2.66

1.88

1.35

4.38

4.13

4.21

ND

ND

ND

ND

ND

ND



Prepared: 11/08/24 Analyzed: 11/12/24

23

27

24

27

27

27

Matrix Spike Dup (2445135-MSD1)

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

2.28

2.53

2.47

2.59

5.23

7.82

0.499

0.493

0.521

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

2.50

2.50

2.50

2.50

5.00

7.50

0.500

0.500

0.500

Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr Carlsbad NM, 88220	Project Number: Project Manager:	01058-0007 Anna Byers	11/15/2024 4:38:20PM

Carlsbad NM, 88220		Project Number: Project Manager:		nna Byers				1	/15/2024 4:38:20PM	
Volatile Organics by EPA 8021B Analyst: BA										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2445134-BLK1)							Prepared: 1	1/08/24 An	alyzed: 11/14/24	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
o,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130				
LCS (2445134-BS1)							Prepared: 1	1/08/24 Ana	alyzed: 11/14/24	
Benzene	4.57	0.0250	5.00		91.4	70-130				
Ethylbenzene	4.46	0.0250	5.00		89.3	70-130				
Toluene	4.55	0.0250	5.00		91.0	70-130				
o-Xylene	4.53	0.0250	5.00		90.5	70-130				
p,m-Xylene	9.10	0.0500	10.0		91.0	70-130				
Total Xylenes	13.6	0.0250	15.0		90.9	70-130				
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130				
LCS Dup (2445134-BSD1)							Prepared: 1	1/08/24 Ana	alyzed: 11/14/24	
Benzene	4.71	0.0250	5.00		94.2	70-130	2.98	20		
Ethylbenzene	4.61	0.0250	5.00		92.3	70-130	3.30	20		
Toluene	4.70	0.0250	5.00		94.0	70-130	3.17	20		
o-Xylene	4.67	0.0250	5.00		93.4	70-130	3.13	20		
o,m-Xylene	9.40	0.0500	10.0		94.0	70-130	3.18	20		
Total Xylenes	14.1	0.0250	15.0		93.8	70-130	3.16	20		

70-130



Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

Carlsbad NM, 88220		Project Manager		nna Byers				11/1	5/2024 4:38:20PM
	Non	halogenated	Organics l	by EPA 80	15D - G	RO			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445134-BLK1)						I	Prepared: 1	1/08/24 Analy	zed: 11/14/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			
LCS (2445134-BS2)						I	Prepared: 1	1/08/24 Analy	zed: 11/14/24
Gasoline Range Organics (C6-C10)	36.9	20.0	50.0		73.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			
LCS Dup (2445134-BSD2)						I	Prepared: 1	1/08/24 Analy	zed: 11/14/24
Gasoline Range Organics (C6-C10)	36.6	20.0	50.0		73.2	70-130	0.755	20	

70-130



Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

QC Summary Data

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/15/2024 4:38:20PM

t Manager:	Anna	Byers					11/15/2024 4:38:20PM			
Nonhalogenated Organics by EPA 8015D - GRO Analyst: IY										
	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
					Prepared: 11	/08/24 A	nalyzed: 11/12/24			
20.0										
	0.500		99.2	70-130						
	0.500		95.3	70-130						
	0.500		104	70-130						
					Prepared: 11	/08/24 A	analyzed: 11/12/24			
20.0	50.0		98.5	70-130						
	0.500		99.2	70-130						
	0.500		94.6	70-130						
	0.500		104	70-130						
		Source: E	411075-02		Prepared: 11	/08/24 A	nalyzed: 11/12/24			
20.0	50.0	ND	97.7	70-130						
	0.500		99.1	70-130						
	0.500		96.3	70-130						
	0.500		105	70-130						
		Source: E	411075-02		Prepared: 11	/08/24 A	nalyzed: 11/12/24			
20.0	50.0	ND	106	70-130	8.44	20				
	20.0	0.500 0.500 0.500 0.500 0.500 0.500 0.500 20.0 50.0 0.500 0.500 0.500 0.500	0.500 0.500 0.500 20.0 50.0 0.500 0.500 0.500 0.500 0.500 0.500 0.500 0.500 0.500 Source: E	0.500 99.2 0.500 95.3 0.500 104 20.0 50.0 98.5 0.500 99.2 0.500 94.6 0.500 104 Source: E411075-02 20.0 50.0 ND 97.7 0.500 99.1 0.500 96.3 0.500 105 Source: E411075-02	0.500 99.2 70-130 0.500 95.3 70-130 0.500 104 70-130 20.0 50.0 98.5 70-130 0.500 99.2 70-130 0.500 94.6 70-130 0.500 104 70-130 Source: E411075-02 20.0 50.0 ND 97.7 70-130 0.500 99.1 70-130 0.500 96.3 70-130 0.500 105 70-130 Source: E411075-02	0.500 99.2 70-130 0.500 95.3 70-130 0.500 104 70-130 20.0 50.0 98.5 70-130 0.500 99.2 70-130 0.500 94.6 70-130 0.500 104 70-130 Source: E411075-02 Prepared: 11 20.0 50.0 ND 97.7 70-130 0.500 99.1 70-130 0.500 96.3 70-130 0.500 105 70-130 Source: E411075-02 Prepared: 11	0.500 99.2 70-130 0.500 95.3 70-130 0.500 104 70-130 Prepared: 11/08/24 A 20.0 50.0 98.5 70-130 0.500 99.2 70-130 0.500 94.6 70-130 0.500 104 70-130 Source: E411075-02 Prepared: 11/08/24 A 20.0 50.0 ND 97.7 70-130 0.500 99.1 70-130 0.500 96.3 70-130 0.500 105 70-130 Source: E411075-02 Prepared: 11/08/24 A			

0.500

0.500

0.500

0.490

0.480

0.524

97.9

96.0

105

70-130

70-130

70-130



QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				1	1/15/2024 4:38:20PN	
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: NV										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2446010-BLK1)							Prepared: 1	1/11/24 Ana	alyzed: 11/11/24	
Diesel Range Organics (C10-C28)	ND	25.0								
Dil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	52.7		50.0		105	50-200				
LCS (2446010-BS1)							Prepared: 1	1/11/24 Ana	alyzed: 11/11/24	
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132				
Surrogate: n-Nonane	52.9		50.0		106	50-200				
Matrix Spike (2446010-MS1)				Source:	E411078-0	08	Prepared: 1	1/11/24 Ana	alyzed: 11/11/24	
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132				
Surrogate: n-Nonane	55.2		50.0		110	50-200				
Matrix Spike Dup (2446010-MSD1)				Source:	E411078-0	08	Prepared: 1	1/11/24 Ana	alyzed: 11/11/24	
Diesel Range Organics (C10-C28)	271	25.0	250	ND	109	38-132	2.26	20		
Surrogate: n-Nonane	55.1		50.0		110	50-200				

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				1	1/15/2024 4:38:20PM
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: NV									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446016-BLK1)							Prepared: 1	1/11/24 Ar	nalyzed: 11/12/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.2		50.0		90.4	50-200			
LCS (2446016-BS1)							Prepared: 1	1/11/24 Ar	nalyzed: 11/12/24
Diesel Range Organics (C10-C28)	233	25.0	250		93.3	38-132			
Surrogate: n-Nonane	49.6		50.0		99.2	50-200			
Matrix Spike (2446016-MS1)				Source:	E411076-0	03	Prepared: 1	1/11/24 Ar	nalyzed: 11/12/24
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.7	38-132			
Surrogate: n-Nonane	48.7		50.0		97.5	50-200			
Matrix Spike Dup (2446016-MSD1)				Source:	E411076-0	03	Prepared: 1	1/11/24 Ar	nalyzed: 11/12/24
Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.6	38-132	3.01	20	
Surrogate: n-Nonane	49.3		50.0		98.6	50-200			



Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/2024 4:38:20PM

Carlsbad NM, 88220		Project Manage	r: Ai	nna Byers				11	/15/2024 4:38:20PM
		Anions	s by EPA 3	00.0/9056	1				Analyst: WF
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2446045-BLK1)							Prepared: 1	1/12/24 Ana	llyzed: 11/12/24
Chloride	ND	20.0							
LCS (2446045-BS1)							Prepared: 1	1/12/24 Ana	lyzed: 11/12/24
Chloride	264	20.0	250		106	90-110			
Matrix Spike (2446045-MS1)				Source:	E411078-	02	Prepared: 1	1/12/24 Ana	lyzed: 11/12/24
Chloride	1160	200	250	847	127	80-120			M4
Matrix Spike Dup (2446045-MSD1)				Source:	E411078-	02	Prepared: 1	1/12/24 Ana	lyzed: 11/12/24

250

847

119

80-120

1.63

1150

200

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager:		East Pecos 22-3 01058-0007 Anna Byers	3 Produced	Water Ga	thering Lir	ne	Reported: 11/15/2024 4:38:20PM
		Anions	by EPA	300.0/9056	4				Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2446056-BLK1)							Prepared	11/12/24	Analyzed: 11/12/24
Chloride	ND	20.0							
LCS (2446056-BS1)							Prepared:	11/12/24	Analyzed: 11/12/24
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2446056-MS1)				Source:	E411101-0)4	Prepared:	11/12/24	Analyzed: 11/12/24
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2446056-MSD1)				Source:	E411101-0)4	Prepared:	11/12/24	Analyzed: 11/12/24
Chloride	248	20.0	250	ND	99.2	80-120	3.13	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

ſ	WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Anna Byers	11/15/24 16:38

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project	Information
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Chain of Custody

Page	1	_ of _	_3	Received by OCD: 9/8/2025 10:49:32 AM
ogram SDWA				OCD.
RCRA				: 9/8/2
TX				025 10:49:5
				82 AM

Client: W	PX Energ	y Permiar	n, LLC.				Bill To				La	b Us	e Only	,					TA	\T	EPA	Program
				hering Line			ttention: Jim Raley		Lab \	VO#	20		Job N	lum	ber	1	1D	2D	3D	Standard	CWA	SDWA
	lanager:					CONTROL DIVERS	ddress: 5315 Buena Vista Dr.		E4	110	18		010							5 day TAT		
	13000 W					225 S. S. S. S.	ity, State, Zip: Carlsbad, NM, 8	8220					Analys	is an	d Me	thod						RCRA
	e, Zip_Od		79765				hone: 575-885-7502			15												
A CONTRACTOR OF THE PARTY OF TH	32-305-6					BEERWO.	mail: jim.raley@dvn.com			/ 80											State	
Email: De	von-tean	n@eteche	env.com			0.65	/O: 21255735	June 19		O by										NM C	O UT A	Z TX
						In	cident ID: nAB1614039576 and	nAB1616628496		/OR						Ĭ	-					
Collected	by: Edyte	e Konan	,	-				- 312	ft.	TPH GRO/DRO/ORO by 8015	y 8021	8260	6010	e 300.0		Anion	NN 3		¥	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample II)			Lab Number	Depth(ft.)	TPHGR	втех ы	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	верос		GDOC		Remark	ss
12:30	11.06.24	S	1				BH07		10'								х					
12:40	11.06.24	S	1				вно7	2	12'								х					
12:50	11.06.24	S	1				BH07	3	14'								х					
13:00	11.06.24	S	1				BH07	24	16'								х					
13:10	11.06.24	S	1				BH07	5	18'								х				PERMIT	
13:20	11.06.24	S	1				BH07	10	20'								х					
13:30	11.06.24	S	1			X-16M-False	BH07	7	22'								х					
13:40	11.06.24	S	1				BH07	8	24'								х					
13:50	11.06.24	S	1				вн07	9	26'								х					
14:00	11.06.24	S	1				BH07	10	28'								х					
Addition	al Instruc	tions:																				
				city of this sa			e that tampering with or intentionally mis Sampled by: EK	labelling the sample lo	ocation,											eived on ice the d °C on subsequent		pled or received
Relinquishe	d by: (Signa	iture)	Date 4/	07/24	Time 6:	00	Received by: (Signature)	les 11-7-2	4	Time	eoc)	Recei	ved	on ic	٥.	La		e Onl	у		
Relinquishe	d by: (Signa	ture)	Date	8.24	Time		Received by: (Signature)	Date //-8-7	74	Time /64	41		T1				T2			Т3		
	d by: (Signa	ture)	Date	8-24	Time	95	Received by Signatur	Date 11.9.2	4	Time //O:	00		AVG	Tem	n°C	-, ₁						
Sample Matr	ix: S - Soil, Sd	- Solid, Sg - S	Sludge, A - Ad	queous, O - O	ther		Company	Container 7	Type: s								dace	v = \//	2Δ			
						ınless o	ther arrangements are made. Haza	rdous samples will I	be retu	rned t	o clier	nt or o	dispose	d of	at the	client	expe	nse.	The re	port for the	nalysis of th	e above
samples is a	pplicable o	nly to those	e samples re	eceived by t	he labo	ratory	with this COC. The liability of the labo	oratory is limited to	the an	nount	paid f	or on	the res	ont		2	- cpc					



expense. The report for the analysis of the above

Page 599 of 1081

Received by OCD: 9/8/2025 10:49:32 AM

Client: W	PX Energy	y Permiai	n, LLC.			Bill To				Lal	b Us	e Onl	У					TA	Т	EPA P	rogram
STATE OF THE STATE				hering Line		tention: Jim Raley		Lab, V	VO#	 0		1 dol 0	Vum	ber	17	1D	2D	3D	Standard	CWA	SDWA
	lanager: A				A	ddress: 5315 Buena Vista Dr.		E4	VO# //o	18		010	<u>58</u>	.00	1				5 day TAT		
	13000 W				PESSAGNUM	ty, State, Zip: Carlsbad, NM, 882	20			Alle Selle	1	Analys	is an	d Me	thod						RCRA
	e, Zip_Od		79765		Pl	ione: 575-885-7502			2												
	32-305-64				Er	nail: jim.raley@dvn.com	19.8		801					1						State	
Email: De	evon-team	n@etech	env.com			O: 21255735	# 15kg		O by										NM CC	UT AZ	TX
Collected	l by: Edyte	e Konan			In	cident ID: nAB1614039576 and nA	31616628496		TPH GRO/DRO/ORO by 8015	8021	1260	010	300.0		noion	ΝN		¥	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	TPH GRC	ВТЕХ by 802	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	BGDOC		СБОС		Remarks	
14:10	11.06.24	S	1			ВН07	11	30'								х					
14:20	11.06.24	S	1			BH07	12	32'								х					The state of the s
14:30	11.06.24	S	1			BH07	13	34'								х					
14:40	11.06.24	S	1			BH07	14	36'								х					
14:50	11.06.24	S	1			BH07	15	38'								х					
15:00	11.06.24	S	1			BH07	10	40'								х					
15:10	11.06.24	S	1			BH07	17	42'								х					
15:20	11.06.24	S	1			BH07	18	44'								х					
15:30	11.06.24	S	1			BH07	19	46'								х					
15:40	11.06.24	S	1			BH07	20	48'								х					
Addition	al Instruc	tions:																			
				city of this sample. I nay be grounds for le		e that tampering with or intentionally mislab . <u>Sampled by: EK</u>	elling the sample l	ocation											eived on ice the day °C on subsequent d		led or received
	ed by: (Signa	4	Date ![[07/24 Time	:00	Received by: (Signature)	Date	4	Time D(e 00)	Rece	ived	on ic	e:	N)		e Onl	y		
Mich	ed by: (Sign:	onga	les 11.		e45	Received by: (Signature)	Date //	24	Time 164	41		T1				T2			<u>T3</u>		
Relinquishe	ed by: (Signa	ture)	Date	-8-24 Time	55	Recorded by Signature	Date 11.9.2	4	Time	00		AVG	Tem	p°C	4	′					
Sample Mati	ix: S - Soil, Sd	I - Solid, Sg -	Sludge, A - A	queous, O - Other			Container	Type:									v - V	OA			
						ther arrangements are made. Hazardo								at the	client	expe	nse.	The re	port for the an	alysis of the	above
samples is	applicable o	nly to thos	e samples r	eceived by the lab	oratory	with this COC. The liability of the labora	ory is limited to	the ar	nount	paid f	or on	the re	port.								



the report.

Reposed of at the client expense. The report for the analysis of the above the report.

Reposed of at the client expense. The report for the analysis of the above the report.

Received by OCD: 9/8/2025 10:49:32 AM

	PX Energy				Bill To				La	b Us	e Onf	У					TA	λT		EPA Pi	ogram
	st Pecos 22-			hering Line	Attention: Jim Raley		Lab N	WQ#			Job N	Vum	ber		1D	2D	3D	Stand	ard	CWA	SDWA
	/lanager: A				Address: 5315 Buena Vista Dr.		E4	1/10	71	ζ	010	28.	000	7				5 day	TAT		
	13000 W				City, State, Zip: Carlsbad, NM,	88220					Analys								* -		RCRA
	e, Zip_Od		79765		Phone: 575-885-7502			2													
	32-305-64	The second second second second			Email: jim.raley@dvn.com			801												State	
Email: De	evon-team	@etech	env.com		WO: 21255735			by										NN	1 CO	UT AZ	TX
					Incident ID: nAB1614039576 and	d nAB1616628496		ORC													
Collected	by: Edyte	e Konan					··	GRO/DRO/ORO by 8015	8021	3260	010	300.0		Anion	Σ		¥				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	Depth(ft.)	TPH GRO	втех by	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/	BGDOC		GDOC			Remarks	
15:50	11.06.24	S	1		BH07	21	50'								х						
16:00	11.06.24	S	1		BH07	22	52'								х						
16:10	11.06.24	S	1		BH07	23	54'								х						
16:20	11.06.24	S	1		BH07	24	55'								х						
	h																				
					41071221																
Addition	al Instruct	ions:																			
late or time	of collection i	is considered		city of this sample. ay be grounds for			ocation,											eived on ice t °C on subseq	TO A COUNTY OF THE PARTY OF	ey are sample s.	d or received
	ed by: (Signa		Date	02124 Time	1:00 Michelle Gonz	ales 11-7-2	1	Time	e 00)	Rece	ived	on ic	e:	(V)		e Onl	ly	-		
Vich	ed by: (Signa	onzal	les II-	824 Time	Received by: (Signature)	Date //- /- //	4	Time	11		T1				T2			Т3			
Relinquishe	d by: (Signa	ture)	Date	8-24 22	Received by (Signature)	- 11.9.2	4	Time.	00		AVG	Tem	p °C								
ample Matr	ix: S - Soil, Sd	- Solid, Sg -	Sludge, A - Ac	ueous, O - Other _	13.76-	Container 1	ype:	g - gla	ss, p -	- poly	/plast	ic, ag	- am	ber s	lass.	v - V	OA		1		
lote: Samp	les are disca	arded 30 d	ays after res	ults are reporte	d unless other arrangements are made. Haz	zardous samples will l	oe retu	irned t	to clie	nt or o	dispose	ed of	at the	clien	texpe	ense.	The re	port for the	ne anal	ysis of the	above
amples is	ipplicable or	nly to those	samples re	ceived by the la	boratory with this COC. The liability of the lal	boratory is limited to	the an	nount	paid f	or on	the re	port									



isposed of at the client expense. The report for the analysis of the above the report.

Page 601 of 1881

Company of the client expense. The report for the analysis of the above the report.

Printed: 11/11/2024 10:00:11AM

Envirotech Analytical Laboratory

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:	11/09/24	10:00	Work Order ID:	E411078
Phone:	(575) 200-6754	Date Logged In:	11/07/24	16:52	Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	11/15/24	17:00 (4 day TAT)		
Chain a	Custody (COC)					
			37			
	he sample ID match the COC? the number of samples per sampling site location mat	ch the COC	Yes			
	samples dropped off by client or carrier?	en uie eee	Yes Yes	Comion Courier		
	ne COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier: Courier		
	all samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.				Comment	s/Resolution
	<u> Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
•	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample	Container_					
	queous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers	,	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La	•					
•	field sample labels filled out with the minimum info	rmation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
	<u>Preservation</u>					
	the COC or field labels indicate the samples were pr	eserved?	No			
	sample(s) correctly preserved?		NA			
24. Is lat	o filteration required and/or requested for dissolved m	ietals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphase		No			
27. If yes	s, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcont	ract Laboratory					
28. Are s	samples required to get sent to a subcontract laborator	ry?	No			
	a subcontract laboratory specified by the client and it	•	NA	Subcontract Lab: NA		
Client I	nstruction					
<u>Chemi i</u>	nstruction .					

Page 42 of 42

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

Date

Report to:
Anna Byers







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E411115

Job Number: 01058-0007

Received: 11/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/19/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 11/19/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411115

Date Received: 11/12/2024 9:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/12/2024 9:45:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Donoutode
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/24 11:40

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH09 0.5'	E411115-01A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 2'	E411115-02A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 4'	E411115-03A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 6'	E411115-04A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 8'	E411115-05A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 10'	E411115-06A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 12'	E411115-07A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 14'	E411115-08A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 16'	E411115-09A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 18'	E411115-10A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 20'	E411115-11A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 22'	E411115-12A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 24'	E411115-13A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 26'	E411115-14A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 28'	E411115-15A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 30'	E411115-16A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 32'	E411115-17A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 34'	E411115-18A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 36'	E411115-19A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 38'	E411115-20A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 40'	E411115-21A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 42'	E411115-22A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 44'	E411115-23A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 46'	E411115-24A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 48'	E411115-25A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 0.5' E411115-01

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: l	IY		Batch: 2446057
Benzene	ND	0.0250	1		11/12/24	11/15/24	
Ethylbenzene	ND	0.0250	1		11/12/24	11/15/24	
Toluene	ND	0.0250	1		11/12/24	11/15/24	
o-Xylene	ND	0.0250	1		11/12/24	11/15/24	
p,m-Xylene	ND	0.0500	1		11/12/24	11/15/24	
Total Xylenes	ND	0.0250	1		11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		103 %	70-130		11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		11/12/24	11/15/24	
Surrogate: Toluene-d8		105 %	70-130		11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: l	IY		Batch: 2446057
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		103 %	70-130		11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		11/12/24	11/15/24	
Surrogate: Toluene-d8		105 %	70-130		11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: 1	AF		Batch: 2446060
Diesel Range Organics (C10-C28)	ND	25.0	1		11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1		11/12/24	11/14/24	
Surrogate: n-Nonane		95.8 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: \	WF		Batch: 2446107
	43.1	40.0	2		11/13/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 2'

E411115-02 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: IY Batch: 2446057 mg/kg mg/kg **Volatile Organic Compounds by EPA 8260B** 11/12/24 11/16/24 ND 0.0250 Benzene 1 11/12/24 11/16/24 Ethylbenzene ND 0.0250ND 0.0250 1 11/12/24 11/16/24 Toluene 1 11/12/24 11/16/24 o-Xylene ND 0.02501 11/12/24 11/16/24 ND 0.0500 p,m-Xylene 11/12/24 11/16/24 1 Total Xylenes ND 0.0250 11/16/24 11/12/24 Surrogate: Bromofluorobenzene 105 % 70-130 11/16/24 Surrogate: 1,2-Dichloroethane-d4 97.2 % 70-130 11/12/24 Surrogate: Toluene-d8 70-130 105 % 11/12/24 11/16/24 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: IY Batch: 2446057 ND 1 11/12/24 11/16/24 20.0 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 105 % 11/12/24 11/16/24 70-130 97.2 % 11/12/24 11/16/24 Surrogate: 1,2-Dichloroethane-d4 70-130 11/16/24 Surrogate: Toluene-d8 11/12/24 105 % 70-130 mg/kg Analyst: AF Batch: 2446060 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 11/12/24 11/14/24 ND 25.0 1 Diesel Range Organics (C10-C28) ND 50.0 1 11/12/24 11/14/24 Oil Range Organics (C28-C36) 96.0 % 50-200 11/12/24 11/14/24 Surrogate: n-Nonane Analyst: WF Anions by EPA 300.0/9056A mg/kg mg/kg Batch: 2446107

100

ND

5

11/13/24

11/14/24

Chloride

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 4'

E411115-03							
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446057
Benzene	ND	0.0250		1	11/12/24	11/16/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/16/24	
Toluene	ND	0.0250		1	11/12/24	11/16/24	
o-Xylene	ND	0.0250		1	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/16/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		103 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		106 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446057
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		103 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		106 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2446060
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/14/24	
Surrogate: n-Nonane		103 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2446107
Chloride	ND	100	-	5	11/13/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 6' E411115-04

	_	Reporting	_			
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2446057
Benzene	ND	0.0250	1	11/12/24	11/16/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/16/24	
Toluene	ND	0.0250	1	11/12/24	11/16/24	
o-Xylene	ND	0.0250	1	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/16/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		103 %	70-130	11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130	11/12/24	11/16/24	
Surrogate: Toluene-d8		106 %	70-130	11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2446057
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		103 %	70-130	11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130	11/12/24	11/16/24	
Surrogate: Toluene-d8		106 %	70-130	11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: AF		Batch: 2446060
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		99.7 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: WF		Batch: 2446107
Chloride	267	20.0	1	11/13/24	11/14/24	<u> </u>

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 8'

E411115-05							
		Reporting					
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY		Batch: 2446057	
Benzene	ND	0.0250	1	11/12/24	11/16/24		
Ethylbenzene	ND	0.0250	1	11/12/24	11/16/24		
Toluene	ND	0.0250	1	11/12/24	11/16/24		
o-Xylene	ND	0.0250	1	11/12/24	11/16/24		
p,m-Xylene	ND	0.0500	1	11/12/24	11/16/24		
Total Xylenes	ND	0.0250	1	11/12/24	11/16/24		
Surrogate: Bromofluorobenzene		104 %	70-130	11/12/24	11/16/24		
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	11/12/24	11/16/24		
Surrogate: Toluene-d8		106 %	70-130	11/12/24	11/16/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2446057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/16/24		
Surrogate: Bromofluorobenzene		104 %	70-130	11/12/24	11/16/24		
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	11/12/24	11/16/24		
Surrogate: Toluene-d8		106 %	70-130	11/12/24	11/16/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: AF		Batch: 2446060	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24		
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24		
Surrogate: n-Nonane		101 %	50-200	11/12/24	11/14/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: WF		Batch: 2446107	
Chloride	267	20.0	1	11/13/24	11/14/24	·	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 10' E411115-06

		E411113-00					
Analista	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dill	uuon	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446057
Benzene	ND	0.0250		1	11/12/24	11/16/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/16/24	
Toluene	ND	0.0250		1	11/12/24	11/16/24	
o-Xylene	ND	0.0250		1	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/16/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446057
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2446060
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/14/24	
Surrogate: n-Nonane		98.6 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2446107
Chloride	264	20.0		1	11/13/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 12' E411115-07

- I	Reporting					N.
Result	Limit	Dil	lution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2446057
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0500		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
	105 %	70-130		11/12/24	11/16/24	
	97.4 %	70-130		11/12/24	11/16/24	
	107 %	70-130		11/12/24	11/16/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2446057
ND	20.0		1	11/12/24	11/16/24	
	105 %	70-130		11/12/24	11/16/24	
	97.4 %	70-130		11/12/24	11/16/24	
	107 %	70-130		11/12/24	11/16/24	
mg/kg	mg/kg		Analyst:	AF		Batch: 2446060
ND	25.0		1	11/12/24	11/14/24	-
ND	50.0		1	11/12/24	11/14/24	
	99.1 %	50-200		11/12/24	11/14/24	
mg/kg	mg/kg		Analyst:	WF		Batch: 2446107
265	20.0		1	11/13/24	11/14/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ID 0.0250 ID 97.4 % 107 % mg/kg MD 20.0 105 % 97.4 % 107 % 107 % mg/kg mg/kg ND 25.0 ND 50.0 99.1 % mg/kg mg/kg mg/kg	Result Limit Di mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 105 % 70-130 97.4 % 70-130 107 % 70-130 mg/kg mg/kg ND 20.0 105 % 70-130 97.4 % 70-130 107 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 99.1 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 ND 70-130 1 97.4 % 70-130 70-130 mg/kg mg/kg Analyst: ND 20.0 1 105 % 70-130 70-130 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 99.1 % 50-200 mg/kg Mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 97.4 % 70-130 11/12/24 97.4 % 70-130 11/12/24 107 % 70-130 11/12/24 97.4 % 70-130 11/12/24 97.4 % 70-130 11/12/24 107 % 70-130 11/12/24 107 % 70-130 11/12/24 107 % 70-130 11/12/24 107 % 70-130 11/12/24 107 % 70-130 11/12/24 107 % 70-130 11/12/24 107 % 70-130 11/12/24 100 1 11/12/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY Interpretable of the property of the propert



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 14' E411115-08

Analyzed Notes Batch: 2446057 11/16/24 11/16/24 11/16/24 11/16/24 11/16/24
Batch: 2446057 11/16/24 11/16/24 11/16/24 11/16/24 11/16/24
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11/16/24
11/16/24
11/16/24
Batch: 2446057
11/16/24
11/16/24
11/16/24
11/16/24
Batch: 2446060
11/14/24
11/14/24
11/14/24
Batch: 2446107
11/14/24
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WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 16' E411115-09

		E411113-07					
A 1.	D. Iv	Reporting	Б.,		D 1		N
Analyte	Result	Limit	Dilt	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2446057
Benzene	ND	0.0250		1	11/12/24	11/16/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/16/24	
Toluene	ND	0.0250		1	11/12/24	11/16/24	
o-Xylene	ND	0.0250		1	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/16/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		104 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		106 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2446057
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		104 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		106 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: AF		Batch: 2446060
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/14/24	
Surrogate: n-Nonane	·	104 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: WF		Batch: 2446107
Chloride	256	20.0		1	11/13/24	11/14/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 18' E411115-10

Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2446057
Benzene	ND	0.0250		1	11/12/24	11/16/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/16/24	
Toluene	ND	0.0250		1	11/12/24	11/16/24	
o-Xylene	ND	0.0250		1	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/16/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		106 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2446057
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		106 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: AF		Batch: 2446060
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/14/24	
Surrogate: n-Nonane		105 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: WF		Batch: 2446107
Chloride	336	20.0		1	11/13/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 20' E411115-11

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Analyte	Result	Reporting Limit	Dilı	ıtion	Prepared	Analyzed	Notes
Marye					•	Amaryzed	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2446057
Benzene	ND	0.0250		1	11/12/24	11/16/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/16/24	
Toluene	ND	0.0250		1	11/12/24	11/16/24	
o-Xylene	ND	0.0250		1	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500	į	1	11/12/24	11/16/24	
Total Xylenes	ND	0.0250	į	1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		108 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446057
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		108 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2446060
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/14/24	
Surrogate: n-Nonane		92.0 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2446107
Chloride	135	20.0		1	11/13/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 22'

		E411115-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446083
Benzene	ND	0.0250	1	11/13/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/18/24	
Toluene	ND	0.0250	1	11/13/24	11/18/24	
o-Xylene	ND	0.0250	1	11/13/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		87.9 %	70-130	11/13/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446083
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	11/13/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2446105
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/16/24	
Surrogate: n-Nonane		169 %	50-200	11/13/24	11/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2446107
Chloride	196	20.0	1	11/13/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 24' E411115-13

Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	•		Batch: 2446057
Benzene	ND	0.0250		1	11/12/24	11/16/24	Batem 2 : 1000 /
Ethylbenzene	ND	0.0250		1	11/12/24	11/16/24	
Toluene	ND	0.0250		1	11/12/24	11/16/24	
o-Xylene	ND	0.0250		1	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/16/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		104 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		105 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2446057
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		104 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		105 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: AF		Batch: 2446060
Diesel Range Organics (C10-C28)	ND	25.0	_	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/14/24	
Surrogate: n-Nonane		95.0 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: WF		Batch: 2446107
Chloride	126	20.0		1	11/13/24	11/15/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 26' E411115-14

		2.11110 11				
Analyte	Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
	mg/kg	mg/kg		alyst: IY	. mary zea	Batch: 2446057
Volatile Organic Compounds by EPA 8260B			1	11/12/24	11/16/24	Batcii. 2440037
Benzene	ND	0.0250	1	11/12/24	11/16/24	
Ethylbenzene	ND	0.0250	1			
Toluene	ND	0.0250	1	11/12/24	11/16/24	
o-Xylene	ND	0.0250	1	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/16/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		104 %	70-130	11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	11/12/24	11/16/24	
Surrogate: Toluene-d8		105 %	70-130	11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2446057
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		104 %	70-130	11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	11/12/24	11/16/24	
Surrogate: Toluene-d8		105 %	70-130	11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: AF		Batch: 2446060
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		101 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: WF		Batch: 2446107

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 28' E411115-15

Analyzed 11/16/24 11/16/24 11/16/24	Notes Batch: 2446057
11/16/24 11/16/24	
11/16/24	Batch: 2446057
11/16/24	
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11/16/24	
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	Batch: 2446057
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11/16/24	
	Batch: 2446060
11/14/24	
11/14/24	
11/14/24	
	Batch: 2446107
11/15/24	
	11/16/24 11/16/24 11/16/24 11/16/24 11/16/24 11/16/24 11/16/24 11/16/24 11/14/24 11/14/24 11/14/24



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 30' E411115-16

D 1	Reporting	P.11		D 1		N.
Result	Limit	Dil	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2446057
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0500		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
	105 %	70-130		11/12/24	11/16/24	
	93.1 %	70-130		11/12/24	11/16/24	
	107 %	70-130		11/12/24	11/16/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2446057
ND	20.0		1	11/12/24	11/16/24	
	105 %	70-130		11/12/24	11/16/24	
	93.1 %	70-130		11/12/24	11/16/24	
	107 %	70-130		11/12/24	11/16/24	
mg/kg	mg/kg		Analyst:	AF		Batch: 2446060
ND	25.0		1	11/12/24	11/14/24	
ND	50.0		1	11/12/24	11/14/24	
	94.2 %	50-200		11/12/24	11/14/24	
mg/kg	mg/kg		Analyst:	WF		Batch: 2446107
131	20.0		1	11/13/24	11/15/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ID 0.0250 ID 0.0250 ID 93.1 % ID 107 % mg/kg mg/kg ND 20.0 ID % 93.1 % 107 % mg/kg mg/kg ND 25.0 ND 50.0 94.2 % mg/kg mg/kg mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 ID 70-130 93.1 % 70-130 107 % 70-130 mg/kg mg/kg ND 20.0 105 % 70-130 93.1 % 70-130 107 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 94.2 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 70-130 1 93.1 % 70-130 70-130 mg/kg mg/kg Analyst: ND 20.0 1 105 % 70-130 70-130 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 94.2 % 50-200 mg/kg Mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 93.1 % 70-130 11/12/24 93.1 % 70-130 11/12/24 107 % 70-130 11/12/24 93.1 % 70-130 11/12/24 93.1 % 70-130 11/12/24 107 % 70-130 11/12/24 107 % 70-130 11/12/24 107 % 70-130 11/12/24 107 % 70-130 11/12/24 107 % 70-130 11/12/24 107 % 70-130 11/12/24 107 % 70-130 11/12/24 100 1 11/12/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/16/24 ND 0.0500 1 11/12/24 11/16/24 ND 0.0250 1 11/12/24 11/16/24 ND 0.0250 1 11/12/24 11/16/24 ND 70-130 11/12/24 11/16/24 107 % 70-130 11/12/24 11/16/24 107 % 70-130 11/12/24 11/16/24 107 % 70-130 11/12/24 11/16/24 107 % 70-130 11/12/24 11/16/24 107 % 70-130 11/12/24 11/16/24 107 % 70-130 11/12/24 11/16/24 107 % 7



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 32' E411115-17

	Reporting	<u>.</u>				
Result	Limit	Dilt	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2446057
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
ND	0.0500		1	11/12/24	11/16/24	
ND	0.0250		1	11/12/24	11/16/24	
	104 %	70-130		11/12/24	11/16/24	
	92.6 %	70-130		11/12/24	11/16/24	
	105 %	70-130		11/12/24	11/16/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2446057
ND	20.0		1	11/12/24	11/16/24	
	104 %	70-130		11/12/24	11/16/24	
	92.6 %	70-130		11/12/24	11/16/24	
	105 %	70-130		11/12/24	11/16/24	
mg/kg	mg/kg		Analyst:	AF		Batch: 2446060
ND	25.0		1	11/12/24	11/14/24	
ND	50.0		1	11/12/24	11/14/24	
	105 %	50-200		11/12/24	11/14/24	
mg/kg	mg/kg		Analyst:	WF		Batch: 2446107
132	20.0		1	11/13/24	11/15/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IO 0.0250 IO 0.0250 IO 92.6 % IO 105 % mg/kg mg/kg ND 20.0 IO 5% mg/kg mg/kg ND 25.0 ND 50.0 IO 5% mg/kg mg/kg	Result Limit Dile mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 IO4 % 70-130 92.6 % 70-130 IO5 % 70-130 mg/kg mg/kg ND 20.0 IO5 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 70-130 1 92.6 % 70-130 70-130 mg/kg mg/kg Analyst: ND 20.0 1 104 % 70-130 70-130 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 105 % 50-200 mg/kg mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 92.6 % 70-130 11/12/24 92.6 % 70-130 11/12/24 105 % 70-130 11/12/24 92.6 % 70-130 11/12/24 92.6 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 <td< td=""><td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/16/24 ND 0.0500 1 11/12/24 11/16/24 ND 0.0250 1 11/12/24 11/16/24 ND 0.0250 1 11/12/24 11/16/24 ND 70-130 11/12/24 11/16/24 92.6 % 70-130 11/12/24 11/16/24 mg/kg mg/kg Analyst: IY 11/16/24 ND 20.0 1 11/12/24 11/16/24 105 % 70-130 11/12/24 11/16/24 105 % 70-130 11/12/24 11/16/24 MD 25.0 1 11/12/24 11/14/24</td></td<>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/16/24 ND 0.0500 1 11/12/24 11/16/24 ND 0.0250 1 11/12/24 11/16/24 ND 0.0250 1 11/12/24 11/16/24 ND 70-130 11/12/24 11/16/24 92.6 % 70-130 11/12/24 11/16/24 mg/kg mg/kg Analyst: IY 11/16/24 ND 20.0 1 11/12/24 11/16/24 105 % 70-130 11/12/24 11/16/24 105 % 70-130 11/12/24 11/16/24 MD 25.0 1 11/12/24 11/14/24



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 34' E411115-18

Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2446057
Benzene	ND	0.0250		1	11/12/24	11/16/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/16/24	
Toluene	ND	0.0250		1	11/12/24	11/16/24	
o-Xylene	ND	0.0250		1	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/16/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		107 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2446057
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		107 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: AF		Batch: 2446060
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/14/24	
Surrogate: n-Nonane		110 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: WF		Batch: 2446107
Chloride	137	20.0		1	11/13/24	11/15/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 36' E411115-19

		Reporting					
Analyte	Result	Limit	Dilt	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446057
Benzene	ND	0.0250		1	11/12/24	11/16/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/16/24	
Toluene	ND	0.0250		1	11/12/24	11/16/24	
o-Xylene	ND	0.0250		1	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/16/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		107 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		105 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446057
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		107 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		105 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2446060
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/14/24	
Surrogate: n-Nonane		105 %	50-200	·	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2446107
Chloride	132	20.0		1	11/13/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 38' E411115-20

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2446057
Benzene	ND	0.0250	1	1	11/12/24	11/16/24	
Ethylbenzene	ND	0.0250	1	1	11/12/24	11/16/24	
Toluene	ND	0.0250	1	1	11/12/24	11/16/24	
o-Xylene	ND	0.0250	1	1	11/12/24	11/16/24	
p,m-Xylene	ND	0.0500	1	1	11/12/24	11/16/24	
Total Xylenes	ND	0.0250	1	1	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		107 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		105 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2446057
Gasoline Range Organics (C6-C10)	ND	20.0	1	I	11/12/24	11/16/24	
Surrogate: Bromofluorobenzene		107 %	70-130		11/12/24	11/16/24	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130		11/12/24	11/16/24	
Surrogate: Toluene-d8		105 %	70-130		11/12/24	11/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF	•		Batch: 2446060
Diesel Range Organics (C10-C28)	ND	25.0	1	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	11/12/24	11/14/24	
Surrogate: n-Nonane		99.7 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WI	3		Batch: 2446107
Chloride	ND	100	5	5	11/13/24	11/15/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 40' E411115-21

		2.11110 21				
Analyte	Result	Reporting Limit	Dilut	tion Prepar	red Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2446058
Benzene	ND	0.0250	1	11/12/	24 11/15/24	
Ethylbenzene	ND	0.0250	1	11/12/	24 11/15/24	
Toluene	ND	0.0250	1	11/12/	24 11/15/24	
o-Xylene	ND	0.0250	1	11/12/	24 11/15/24	
p,m-Xylene	ND	0.0500	1	11/12/	24 11/15/24	
Total Xylenes	ND	0.0250	1	11/12/	24 11/15/24	
Surrogate: Bromofluorobenzene		96.8 %	70-130	11/12/	24 11/15/24	
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130	11/12/	24 11/15/24	
Surrogate: Toluene-d8		103 %	70-130	11/12/	724 11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2446058
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/	24 11/15/24	
Surrogate: Bromofluorobenzene		96.8 %	70-130	11/12/	24 11/15/24	
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130	11/12/	24 11/15/24	
Surrogate: Toluene-d8		103 %	70-130	11/12/	724 11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV		Batch: 2446061
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/	24 11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/	24 11/14/24	
Surrogate: n-Nonane		109 %	50-200	11/12/	24 11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JM		Batch: 2446096
Chloride	ND	100	5	11/13/	24 11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 42'

		E411115-22					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446058
Benzene	ND	0.0250	1	[11/12/24	11/15/24	
Ethylbenzene	ND	0.0250	1	l	11/12/24	11/15/24	
Toluene	ND	0.0250	1	l	11/12/24	11/15/24	
o-Xylene	ND	0.0250	1	l	11/12/24	11/15/24	
p,m-Xylene	ND	0.0500	1	l	11/12/24	11/15/24	
Total Xylenes	ND	0.0250	1	1	11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		98.6 %	70-130		11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		11/12/24	11/15/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446058
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		98.6 %	70-130		11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		11/12/24	11/15/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446061
Diesel Range Organics (C10-C28)	ND	25.0	1	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	[11/12/24	11/14/24	
Surrogate: n-Nonane		120 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446096
Chloride	354	20.0	1		11/13/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 44' E411115-23

		E411113-23					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Thinge	resur	Ziiiit	Dii		•	rmaryzea	rotes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2446058
Benzene	ND	0.0250		1	11/12/24	11/15/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/15/24	
Toluene	ND	0.0250		1	11/12/24	11/15/24	
o-Xylene	ND	0.0250		1	11/12/24	11/15/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/15/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		97.8 %	70-130		11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130		11/12/24	11/15/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2446058
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		97.8 %	70-130		11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130		11/12/24	11/15/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: NV		Batch: 2446061
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/14/24	
Surrogate: n-Nonane		113 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: JM		Batch: 2446096
Chloride	354	20.0		1	11/13/24	11/14/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 46' E411115-24

D. I	Reporting	P.11		D 1		N.
Result	Limit	Dıl	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2446058
ND	0.0250		1	11/12/24	11/15/24	
ND	0.0250		1	11/12/24	11/15/24	
ND	0.0250		1	11/12/24	11/15/24	
ND	0.0250		1	11/12/24	11/15/24	
ND	0.0500		1	11/12/24	11/15/24	
ND	0.0250		1	11/12/24	11/15/24	
	98.0 %	70-130		11/12/24	11/15/24	
	96.2 %	70-130		11/12/24	11/15/24	
	105 %	70-130		11/12/24	11/15/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2446058
ND	20.0		1	11/12/24	11/15/24	
	98.0 %	70-130		11/12/24	11/15/24	
	96.2 %	70-130		11/12/24	11/15/24	
	105 %	70-130		11/12/24	11/15/24	
mg/kg	mg/kg		Analyst:	NV		Batch: 2446061
ND	25.0		1	11/12/24	11/14/24	-
ND	50.0		1	11/12/24	11/14/24	
	111 %	50-200		11/12/24	11/14/24	
mg/kg	mg/kg		Analyst:	JM		Batch: 2446096
ND	100		5	11/13/24	11/14/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 98.0 % 96.2 % 105 % mg/kg ND 20.0 98.0 % 96.2 % 105 % mg/kg Mg/kg mg/kg ND 25.0 ND 50.0 111 % mg/kg mg/kg mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 98.0 % 70-130 96.2 % 70-130 105 % 70-130 mg/kg mg/kg ND 20.0 98.0 % 70-130 96.2 % 70-130 105 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 111 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 98.0 % 70-130 96.2 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 98.0 % 70-130 1 98.0 % 70-130 1 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 111 % 50-200 mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 98.0 % 70-130 11/12/24 96.2 % 70-130 11/12/24 105 % 70-130 11/12/24 98.0 % 70-130 11/12/24 98.0 % 70-130 11/12/24 96.2 % 70-130 11/12/24 105 % 70-130 11/12/24 96.2 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 ND 25.0 1 11/12/24 ND 50.0	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/15/24 ND 0.0500 1 11/12/24 11/15/24 ND 0.0250 1 11/12/24 11/15/24 98.0 % 70-130 11/12/24 11/15/24 96.2 % 70-130 11/12/24 11/15/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/12/24 11/15/24 96.2 % 70-130 11/12/24 11/15/24 96.2 % 70-130 11/12/24 11/15/24 105 % 70-130 11/12/24 11/15/24 mg/kg mg/kg Analyst: NV ND 50.0 1 11/12/

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

BH09 48' E411115-25

		2.11110 20					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Result	Limit	DII	ution	rrepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2446058
Benzene	ND	0.0250		1	11/12/24	11/15/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/15/24	
Toluene	ND	0.0250		1	11/12/24	11/15/24	
o-Xylene	ND	0.0250		1	11/12/24	11/15/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/15/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		96.9 %	70-130		11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		11/12/24	11/15/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2446058
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		96.9 %	70-130		11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		11/12/24	11/15/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: NV		Batch: 2446061
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/14/24	
Surrogate: n-Nonane		109 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: JM		Batch: 2446096
Chloride	172	20.0		1	11/13/24	11/14/24	



WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/19/2024 11:40:56AM

Carlsbad NM, 88220		Project Manage	r: Aı	nna Byers				11/1	9/2024 11:40:56AN
Volatile Organic Compounds by EPA 8260B Anal									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446057-BLK1)							Prepared: 1	1/12/24 Anal	yzed: 11/16/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.522		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.459		0.500		91.8	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			
LCS (2446057-BS1)							Prepared: 1	1/12/24 Anal	yzed: 11/16/24
Benzene	2.51	0.0250	2.50		100	70-130			
Ethylbenzene	2.47	0.0250	2.50		98.7	70-130			
Toluene	2.52	0.0250	2.50		101	70-130			
o-Xylene	2.51	0.0250	2.50		100	70-130			
p,m-Xylene	5.04	0.0500	5.00		101	70-130			
Total Xylenes	7.55	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			
LCS Dup (2446057-BSD1)							Prepared: 1	1/12/24 Anal	yzed: 11/16/24
Benzene	2.45	0.0250	2.50		97.9	70-130	2.36	23	
Ethylbenzene	2.40	0.0250	2.50		96.1	70-130	2.73	27	
Foluene	2.45	0.0250	2.50		98.0	70-130	2.82	24	
o-Xylene	2.48	0.0250	2.50		99.4	70-130	1.00	27	
o,m-Xylene	4.93	0.0500	5.00		98.5	70-130	2.36	27	
Total Xylenes	7.41	0.0250	7.50		98.8	70-130	1.90	27	
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
··· · · · · · · · · · · · · · · · · ·	*****								

0.500

70-130



Surrogate: Toluene-d8

0.523

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/19/2024 11:40:56AM

Carlsbad NM, 88220		Project Manager:	Ar	nna Byers				11/1	9/2024 11:40:56AN
	V	olatile Organio	e Compo	unds by EI	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446058-BLK1)							Prepared: 11	1/12/24 Anal	yzed: 11/15/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.6	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			
LCS (2446058-BS1)							Prepared: 11	1/12/24 Anal	yzed: 11/15/24
Benzene	2.46	0.0250	2.50		98.6	70-130			
Ethylbenzene	2.66	0.0250	2.50		107	70-130			
Toluene	2.60	0.0250	2.50		104	70-130			
o-Xylene	2.74	0.0250	2.50		109	70-130			
p,m-Xylene	5.53	0.0500	5.00		111	70-130			
Total Xylenes	8.27	0.0250	7.50		110	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			
LCS Dup (2446058-BSD1)							Prepared: 11	1/12/24 Anal	yzed: 11/15/24
Benzene	2.45	0.0250	2.50		97.8	70-130	0.794	23	
Ethylbenzene	2.68	0.0250	2.50		107	70-130	0.599	27	
Toluene	2.60	0.0250	2.50		104	70-130	0.192	24	
o-Xylene	2.78	0.0250	2.50		111	70-130	1.56	27	
p,m-Xylene	5.64	0.0500	5.00		113	70-130	1.92	27	
Total Xylenes	8.42	0.0250	7.50		112	70-130	1.80	27	
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			

0.500

70-130

0.512



Surrogate: Toluene-d8

Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

Γ	WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
	5315 Buena Vista Dr	Project Number:	01058-0007	•
	Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		.058-0007 nna Byers				1	1/19/2024 11:40:56AM	
Volatile Organics by EPA 8021B Analyst: BA										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2446083-BLK1)							Prepared: 1	1/13/24 An	alyzed: 11/18/24	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	6.78		8.00		84.7	70-130				
LCS (2446083-BS1)]	Prepared: 1	1/13/24 An	alyzed: 11/18/24	
Benzene	5.23	0.0250	5.00		105	70-130				
Ethylbenzene	5.03	0.0250	5.00		101	70-130				
Toluene	5.15	0.0250	5.00		103	70-130				
o-Xylene	4.96	0.0250	5.00		99.1	70-130				
p,m-Xylene	10.2	0.0500	10.0		102	70-130				
Total Xylenes	15.2	0.0250	15.0		101	70-130				
Surrogate: 4-Bromochlorobenzene-PID	6.73		8.00		84.2	70-130				
LCS Dup (2446083-BSD1)							Prepared: 1	1/13/24 An	alyzed: 11/18/24	
Benzene	5.41	0.0250	5.00		108	70-130	3.26	20		
Ethylbenzene	5.19	0.0250	5.00		104	70-130	3.30	20		
Toluene	5.31	0.0250	5.00		106	70-130	3.15	20		
o-Xylene	5.14	0.0250	5.00		103	70-130	3.63	20		
p,m-Xylene	10.5	0.0500	10.0		105	70-130	3.22	20		
Total Xylenes	15.7	0.0250	15.0		104	70-130	3.36	20		

70-130



Surrogate: Toluene-d8

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

Carlsbad NM, 88220		Project Number Project Manage		nna Byers				11	/19/2024 11:40:56
	Non	halogenated	Organics	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2446057-BLK1)							Prepared: 1	1/12/24 Ana	alyzed: 11/16/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.522		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.459		0.500		91.8	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			
LCS (2446057-BS2)							Prepared: 1	1/12/24 Ana	alyzed: 11/16/24
Gasoline Range Organics (C6-C10)	43.7	20.0	50.0		87.3	70-130			
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			
LCS Dup (2446057-BSD2)							Prepared: 1	1/12/24 An	alyzed: 11/16/24
Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		95.1	70-130	8.51	20	
Surrogate: Bromofluorobenzene	0.535		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			

0.500

0.532

106

70-130

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/19/2024 11:40:56AM

Anal	vst.	и

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

Blank (2446058-BLK1)						Prepared: 11	/12/24 An	alyzed: 11/15/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.496		0.500	99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500	91.6	70-130			
Surrogate: Toluene-d8	0.517		0.500	103	70-130			
LCS (2446058-BS2)						Prepared: 11	/12/24 An	alyzed: 11/15/24
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	109	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500	99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500	95.0	70-130			
Surrogate: Toluene-d8	0.534		0.500	107	70-130			
LCS Dup (2446058-BSD2)						Prepared: 11	/12/24 An	alyzed: 11/15/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	108	70-130	0.548	20	
Surrogate: Bromofluorobenzene	0.501		0.500	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500	96.1	70-130			
Surrogate: Toluene-d8	0.529		0.500	106	70-130			



WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

Carlsbad NM, 88220		Project Manage	r: Ar	nna Byers					11/19/2024 11:40:56AM	
	Non	halogenated	Organics l	by EPA 801	15D - G	RO		Analyst: BA		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2446083-BLK1)							Prepared: 1	1/13/24	Analyzed: 11/18/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130				
LCS (2446083-BS2)							Prepared: 1	1/13/24	Analyzed: 11/18/24	
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0		80.8	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130				
LCS Dup (2446083-BSD2)							Prepared: 1	1/13/24	Analyzed: 11/18/24	
Gasoline Range Organics (C6-C10)	39.6	20.0	50.0		79.2	70-130	2.01	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130				

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	·
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				11	/19/2024 11:40:56A	
	Nonhal	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO		Analyst: AF		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2446060-BLK1)							Prepared: 1	1/12/24 An	alyzed: 11/14/24	
Diesel Range Organics (C10-C28)	ND	25.0								
Dil Range Organics (C28-C36)	ND	50.0								
urrogate: n-Nonane	55.0		50.0		110	50-200				
CS (2446060-BS1)							Prepared: 1	1/12/24 An	alyzed: 11/14/24	
Diesel Range Organics (C10-C28)	250	25.0	250		100	38-132				
urrogate: n-Nonane	51.4		50.0		103	50-200				
Matrix Spike (2446060-MS1)				Source:	E411115-1	4	Prepared: 1	1/12/24 An	alyzed: 11/14/24	
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.5	38-132				
urrogate: n-Nonane	59.0		50.0		118	50-200				
Matrix Spike Dup (2446060-MSD1)				Source:	E411115-1	4	Prepared: 1	1/12/24 An	alyzed: 11/14/24	
Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.5	38-132	3.08	20		
urrogate: n-Nonane	49.4		50.0		98.9	50-200				



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

Carlsbad NM, 88220		Project Manager	r: An	ina Byers				11	1/19/2024 11:40:56A
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446061-BLK1)							Prepared: 1	1/12/24 An	alyzed: 11/13/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.1		50.0		108	50-200			
LCS (2446061-BS1)							Prepared: 1	1/12/24 An	alyzed: 11/13/24
Diesel Range Organics (C10-C28)	264	25.0	250		105	38-132			
Surrogate: n-Nonane	54.7		50.0		109	50-200			
Matrix Spike (2446061-MS1)				Source:	E411114-0)1	Prepared: 11	1/12/24 An	alyzed: 11/14/24
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	54.6		50.0		109	50-200			
Matrix Spike Dup (2446061-MSD1)				Source:	E411114-0)1	Prepared: 11	1/12/24 An	alyzed: 11/14/24
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132	0.0562	20	
Surrogate: n-Nonane	54.1		50.0		108	50-200			

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				11	/19/2024 11:40:56A	
	Nonhal	logenated Or	ganics by	EPA 8015I) - DRO	/ORO		Analyst: NV		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2446105-BLK1)							Prepared: 1	1/13/24 An	alyzed: 11/16/24	
riesel Range Organics (C10-C28)	ND	25.0								
ril Range Organics (C28-C36)	ND	50.0								
urrogate: n-Nonane	49.0		50.0		98.1	50-200				
.CS (2446105-BS1)							Prepared: 1	1/13/24 An	alyzed: 11/16/24	
iesel Range Organics (C10-C28)	230	25.0	250		92.1	38-132				
urrogate: n-Nonane	48.7		50.0		97.4	50-200				
Aatrix Spike (2446105-MS1)				Source:	E411130-1	17	Prepared: 1	1/13/24 An	alyzed: 11/16/24	
riesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132				
urrogate: n-Nonane	54.1		50.0		108	50-200				
Matrix Spike Dup (2446105-MSD1)				Source:	E411130-1	17	Prepared: 1	1/13/24 An	alyzed: 11/16/24	
tiesel Range Organics (C10-C28)	240	25.0	250	ND	96.2	38-132	4.21	20		
urrogate: n-Nonane										



WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:40:56AM

	Anions by EPA 300.0/9056A									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2446096-BLK1)							Prepared: 1	1/13/24 Anal	yzed: 11/13/24	
Chloride	ND	20.0								
LCS (2446096-BS1)							Prepared: 1	1/13/24 Anal	yzed: 11/13/24	
Chloride	253	20.0	250		101	90-110				
LCS Dun (2446096-BSD1)							Prepared: 1	1/13/24 Anal	vzed: 11/13/24	

250

20.0

101

90-110

0.275



Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: East Pecos 22-3 Produced Water Gathering Line Project Number: 01058-0007 Project Manager: Anna Byers							Reported: 11/19/2024 11:40:56AM			
		Anions	by EPA	300.0/9056	\				Analyst: WF			
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes			
Blank (2446107-BLK1)							Prepared: 1	1/13/24 Ana	alyzed: 11/14/24			
Chloride	ND	20.0										
LCS (2446107-BS1)							Prepared: 1	1/13/24 Ana	alyzed: 11/14/24			
Chloride	257	20.0	250		103	90-110						
LCS Dun (2446107-BSD1)							Prepared: 1	1/13/24 An:	alvzed: 11/14/24			

250

20.0

103

90-110

0.103

257

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:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/24 11:40

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

eceived by OCD: 9/8/2025 10:49:32 AM

Page _ 1 _ of _ 3



envirotech

Released to Imaging: 9/30/2025 3:25:30 PM

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				thering Line		Att	ention: Jim Raley		Lab V	WQ#	94 S		Job I	Numl	ber '	4() <u></u> .	1D	2D	3D	St	andard	CWA	SDWA
		Anna Byei			(A)	Adr	dress: 5315 Buena Vista Dr.		E4	////	15		OIO	58	000	7	\Box	\vdash			day TAT		
Address:	13000 W	/ County R	Ad 100			Cit	y, State, Zip: Carlsbad, NM, 88220			.T. EL					id Me			_			成品版	,	RCRA
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	32-305-64					· ·	ail: jim.raley@dvn.com		1 '	į į	1 - 1	1 1	1 1	(-1)	(-)	l = l	1 '	1 '	1	1 1		State	
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Collected	l by: Edyte	e Konan			\ इ.स. इ.स.		DELIC ID. INTRACTORS OF CHICAGO	010020-00		PH GRO/DRO/ORO by 8015	8021	3,560	939	300.0		raton Los	ž		 				
Time Sampled	Date Sampled	Matrix	No. of Conteiners	Sample ID	,			Lab Number	Depth(ft.)	PH GRC	BTEX by 8	VOC by 8260	Metzis 6010	Chforlde 300.0	ş	Cation/ Anton	36000		GDOC		×1.	Remarks	
8:50	11.07.24	S	1				ВН09	1	20'				-	Ť		Ť	X				<u> </u>		
8:55	11.07.24	s	1	 			ВН09	12	22'					\square		\square	x						
9:00	11.07.24	s	1				вно9	13	24'					\Box		\square	х	H	$\mid \rightarrow \mid$				
9:05	11.07.24	S	1	 			BH09	14	26'		H			\square		\sqcap	x	\vdash	$\mid \rightarrow \mid$	-			
9:10	11.07.24	S	1				ВН09	15	28'					\square	$\mid \mid \mid$	\sqcap	x	\vdash		-			
9:15	11.07.24	S	1	 			вно9	10	30'	H		H	-	\square	$\vdash \vdash$		x	\vdash	-		 		
9:20	11.07.24	s	1	 			вно9	17	32'	H			$\mid \rightarrow \mid$	\square			x				 		
9:25	11.07.24	S	1				ВН09	17	34'					\sqcap		\vdash	x		$\vdash \uparrow$				
9:30	11.07.24	s	1				8 H 0 9	19	36'	H				\Box	\sqcap	\dashv	x						
9:35	11.07.24	S	1	 			вно9	20	381			\Box	H	\sqcap	\Box	\dashv	х	\square	H		<u> </u>		
Additions	al Instruct	tions:		<u> </u>			· · · · · · · · · · · · · · · · · · ·	e e ∓grande	ш	<u></u>	Ш		—		—	—	—		Ш				
				ticity of this sam			that tampering with or intentionally mislabellin	ng the sample ir	ocation,	,											on ice the day th subsequent days		d or received
	d by: (Signa			11124			Received by: (Signature)	Date - -		Time	<u> </u>	- i	325		on ic	137	La		e Onl				
VVice		Gonz	aleg -		Time 1740		Received by: (Signature)	Date //-/2-1		Time	740		T1	IVC.			T2			がす。 マン:	73		
telinguished	d by: (Signat	ture)	Date	12.24	Time V/C	<u> </u>	Rocefred by: [Bignature]	11.12.2		G:	45			Tem	ૢૺૢ	L							
ample Matri	r: S - Soll, Sd	- Solid. Sg - /		queous, O - Ot	ther	<u>/\</u>		Container T		- <u>- ela</u>	.c. n						<u>alage</u>	-7 (1 to 5 per • - V	ña.		<u>X-1-271-1-1</u>	<u>. Billioti zeri</u>	
lote: Samp	es are disc	arded 30 d	avs after re	sults are rep	orted unit	ess oth	ner arrangements are made. Hazardous	samples will	be retu	rned	o cile	nt or r	dispos	ed of	21 the	dien	t exne	anse	The r	ecort	for the ana!	vsls of the	a home
amples is a	opticable or	nly to those	e samples r	eceived by the	he laborat	ory wi	th this COC. The liability of the laborator	y is limited to	the ar	nount	pald f	ior on	the re	aport.		u	, unpo	*****	****			/515 51 5	



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Page

Client: WPX Energy Permian, LLC.					Bill To				La	b Us	Use Only						TA	EPA P	rogram	
Project: East Pecos 22-3 Produced Water Gathering Line					Attention: Jim Raley		Lab WO# E4/1/15				Job Number					2D	3D	Standard	CWA	SDWA
Project Manager: Anna Byers					Address: 5315 Buena Vista Dr.					803	01058.0007							5 day TAT		
Address: 13000 W County Rd 100					City, State, Zip: Carlsbad, NM, 883	220					Analysi					-				RCRA
City, Stat	e, Zip_Od	essa,TX,	79765		Phone: 575-885-7502			1,0		Г	ΓŤ	T	T							
	32-305-64				Email: jim.raley@dvn.com		i	801				- 1							State	
Email: De	evon-team	@etech	env.com		WO: 21255735		i	by				- 1						NMI CO	UT AZ	TX
					Incident ID: nAB1614039576 and nA	AB1616628496		ORG				- 1								
								RO/	11			0.0		u	N					- 1
Collected	by: Edyte	Konan				-	£	0/0	/ 80	826	6010	e 30		Anic			×	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 802	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	верос		GDOC		Remarks	
9:40	11.07.24	S	1		BH09	21	40'								х					
9:45	11.07.24	S	1	Υ	BH09	22	42'								х					-
9:50	11.07.24	S	1		BH09	23	44'								х					
9:55	11.07.24	S	1		BH09	24	46'								х					
10:00	11.07.24	S	1		BH09	25	48'								х					
								_	_											
					4/11/2024		1													
					UTET	1										ŀ				
_		1																		-
ddition	al Instruct	ions:									·				-					
				city of this sample. ay be grounds for I	I am aware that tampering with or intentionally mislategal action. Sampled by: EK	belling the sample l	ocation,	,										eived on ice the day °C on subsequent da		d or receive
	d by: (Signa		Date	Time	DEOD Received by: (Signature)	Date 11-11-2	4	Time	CO		Recei	ved o	on ice	a:	_	b Us	e Onl	У		
Mich	d by: (Signa	i and a	Date	Time	Received by (Signature)	Date 1/-/2-		Time			T1				-			<u></u>		
elinguishe	by: (Signa	ture) Ø	Date	12.24 Time	400 Cath Man	Date 11:122	24	Time.	45		AVG T		A STATE OF	2.06/0						
ample Matr	ix: S - Soil, Sd	- Solid, Sg - S	Sludge, A - Aq	ueous, O - Other _		Container 1	ype:	g - glas	ss, p				-			v - V(DA		No. Compare (1961)	
ote: Samp	les are disca	rded 30 da	ays after res	sults are reported	unless other arrangements are made. Hazardo	ous samples will l	oe retu	irned t	o clie	nt or o	dispose	d of a	t the	client	expe	nse.	The re	port for the ana	lysis of the	above
mples is a	pplicable or	nly to those	samples re	eceived by the lab	oratory with this COC. The liability of the labora	atory is limited to	the an	nount	paid f	or on	the rep	ort.								



envirotech 647 of 1081

Printed: 11/13/2024 9:43:48AM

Envirotech Analytical Laboratory

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:	11/12/24 09:	45		Work Order ID:	E411115
	-						
Phone: Email:	(575) 200-6754	Date Logged In: Due Date:	11/12/24 10:			Logged In By:	Caitlin Mars
Elliali.	anna@etechenv.com	Due Date.	11/16/24 17.	00 (4 day TAT)			
Chain of	Custody (COC)						
	he sample ID match the COC?		Yes				
	he number of samples per sampling site location ma	tch the COC	Yes				
	samples dropped off by client or carrier?		Yes	Carrier: C	ourier		
	ne COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes	Carrier. <u>C</u>	ourici		
	all samples received within holding time?	sica analyses.	Yes				
51 W616 C	Note: Analysis, such as pH which should be conducted it		100			Comment	s/Resolution
G1- /	i.e, 15 minute hold time, are not included in this disucssi	on.		Г		<u>comment</u>	57 I I S S S S S S S S S S S S S S S S S
	Turn Around Time (TAT)		V				
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (**				
	sample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
12. Was th	ne sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling		Yes				
13. If no	visible ice, record the temperature.	temperature: 4°0	<u>C</u>				
Sample (<u>Container</u>						
14. Are a	queous VOC samples present?		No				
15. Are V	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 r	non-VOC samples collected in the correct containers	?	Yes				
19. Is the	appropriate volume/weight or number of sample contai	ners collected?	Yes				
Field La	<u>bel</u>						
20. Were	field sample labels filled out with the minimum info	ormation:					
S	Sample ID?		Yes				
	Date/Time Collected?		Yes				
	Collectors name?		No				
	Preservation		NT.				
	the COC or field labels indicate the samples were p	reserved?	No				
	sample(s) correctly preserved?	10	NA N				
	o filteration required and/or requested for dissolved r	netais?	No				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multipha		No				
27. If yes	s, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcont	ract Laboratory						
28. Are s	amples required to get sent to a subcontract laborate	ry?	No				
29. Was	a subcontract laboratory specified by the client and i	f so who?	NA S	ubcontract Lab	: NA		
Client I	<u>nstruction</u>						
<u>eneme i</u>	noti detion						

Report to:
Anna Byers







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E411122

Job Number: 01058-0007

Received: 11/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/18/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 11/18/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411122

Date Received: 11/12/2024 9:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/12/2024 9:45:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line 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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whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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Laboratory Technical Representative Office: 505-421-LABS(5227)

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Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

_					
Γ	WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reporteu:	
l	Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/24 16:36	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH09 50'	E411122-01A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 4:36:24PM

BH09 50' E411122-01

		E 111122 VI				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2446083
Benzene	ND	0.0250	1	11/13/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/18/24	
Toluene	ND	0.0250	1	11/13/24	11/18/24	
o-Xylene	ND	0.0250	1	11/13/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		90.5 %	70-130	11/13/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2446083
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.9 %	70-130	11/13/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2446104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/16/24	
Surrogate: n-Nonane		113 %	50-200	11/13/24	11/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: JM		Batch: 2446113
Chloride	174	20.0	1	11/14/24	11/14/24	



Total Xylenes

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 4:36:24PM

5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		058-0007 nna Byers					11/18/2024 4:36:24PM
		Volatile O	rganics b	y EPA 802	1B				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446083-BLK1)							Prepared: 1	1/13/24 Aı	nalyzed: 11/18/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.78		8.00		84.7	70-130			
LCS (2446083-BS1)							Prepared: 1	1/13/24 Aı	nalyzed: 11/18/24
Benzene	5.23	0.0250	5.00		105	70-130			
Ethylbenzene	5.03	0.0250	5.00		101	70-130			
Toluene	5.15	0.0250	5.00		103	70-130			
o-Xylene	4.96	0.0250	5.00		99.1	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.73		8.00		84.2	70-130			
LCS Dup (2446083-BSD1)							Prepared: 1	1/13/24 Aı	nalyzed: 11/18/24
Benzene	5.41	0.0250	5.00		108	70-130	3.26	20	
Ethylbenzene	5.19	0.0250	5.00		104	70-130	3.30	20	
Toluene	5.31	0.0250	5.00		106	70-130	3.15	20	
p-Xylene	5.14	0.0250	5.00		103	70-130	3.63	20	
p,m-Xylene	10.5	0.0500	10.0		105	70-130	3.22	20	
m . 1 *** 1	15.7		150		104	70.120	2.26	20	

70-130

3.36

15.7

0.0250



WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 4:36:24PM

Carlsbad NM, 88220		Project Manage	r: Ar	nna Byers					11/18/2024 4:36:24PM
	Non	halogenated	Organics l	by EPA 801	15D - G	RO			Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446083-BLK1)							Prepared: 1	1/13/24	Analyzed: 11/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			
LCS (2446083-BS2)							Prepared: 1	1/13/24	Analyzed: 11/18/24
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0		80.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			
LCS Dup (2446083-BSD2)							Prepared: 1	1/13/24	Analyzed: 11/18/24
Gasoline Range Organics (C6-C10)	39.6	20.0	50.0		79.2	70-130	2.01	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/2024 4:36:24PM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				1	1/18/2024 4:36:24PM
	Nonha	logenated Or		Analyst: NV					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446104-BLK1)							Prepared: 1	1/13/24 An	alyzed: 11/15/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	63.2		50.0		126	50-200			
LCS (2446104-BS1)							Prepared: 1	1/13/24 An	alyzed: 11/15/24
Diesel Range Organics (C10-C28)	259	25.0	250		104	38-132			
Surrogate: n-Nonane	55.0		50.0		110	50-200			
Matrix Spike (2446104-MS1)				Source:	E411119-2	25	Prepared: 1	1/13/24 An	alyzed: 11/15/24
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	57.1		50.0		114	50-200			
Matrix Spike Dup (2446104-MSD1)				Source:	E411119-2	25	Prepared: 1	1/13/24 An	alyzed: 11/15/24
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	38-132	3.93	20	
Surrogate: n-Nonane	59.4		50.0		119	50-200			



WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		East Pecos 22-3	Produced	Water Ga	thering Line		Reported:
Carlsbad NM, 88220		Project Manager		Anna Byers				1	1/18/2024 4:36:24PM
		Anions	by EPA	300.0/9056	4				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446113-BLK1)							Prepared: 11	1/13/24 An	alyzed: 11/14/24
Chloride	ND	20.0							
LCS (2446113-BS1)							Prepared: 11	1/13/24 An	alyzed: 11/14/24
Chloride	254	20.0	250		102	90-110			
LCS Dup (2446113-BSD1)							Prepared: 11	1/13/24 An	alyzed: 11/14/24
Chloride	255	20.0	250		102	90-110	0.0987	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:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/18/24 16:36

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

Page __1__ of __1_

	Chain of Custody

Client: WPX Energy Permian, LLC. Bill To								ise Only			TAT		\T	EPA P	rogram						
Project: Eas	st Pecos 22-	3 Produced	Water Ga	thering Line		Attention: Jim Raley		Lab, \	NO#			Job	Num	ber		1D	2D	3D	Standard	CWA	SDWA
Project N	lanager: A	Anna Bye	rs		2 82	Address: 5315 Buena Vista Dr.		E Lab	1)[[122	2	010	151	.00	207				5 day TAT		
Address:	13000 W	County F	Rd 100			City, State, Zip: Carlsbad, NM, 88	3220					Analy									RCRA
City, State	e, Zip_Od	essa,TX,	79765			Phone: 575-885-7502			T.,		Г			Г	Г			П			
	32-305-64					Email: jim.raley@dvn.com		1	3015											State	
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						Incident ID: nAB1614039576 and nAB1616628490			80					1					1	1	+
						Incident ID. HABIO14039376 and I	IAD1010020430		0/0	_			0.		_	ΣN					
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Sampled	Sampled	Matrix	No. of Containers	Sample ID			Number	ept	PHO	TEX	00	leta	hlor	TDS	atio	GD		GDOC		Remarks	
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I. (field samp	ler), attest to	the validity	and authent	icity of this sam	nnle. Lam a	ware that tampering with or intentionally misl	ahelling the sample	location				Sample	es requi	iring the	ermal pr	eservat	tion mu	st be rec	eived on ice the day	they are samp	led or received
200				nay be grounds		D: VE	abeling the sample	iocution.	•										°C on subsequent o		:56.x0960:0079+050X405071
	d byg(Signa		Date		Time	Baraivad by: (Signatura)	A Date		Time			To the last	1000	No.	Victoria (1.	ah H	se On	ly		
remiquisme	Rust	Pier		11/2024	20:0	O Michelle Gonza	lec 11-11-2	4		100	2	Rece)/ N	se OII	ıy		
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VVIch	elle 6	onza		-12-24	1740	Chalen M.	11.12.	24	Annual Case	740	ń	T1				T2			<u>T3</u>		
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(5)						ory with this COC. The liability of the labo	-								e clien	expe	ense.	ine re	eport for the ar	arysis or the	auove
outhies is a	phile o	my to those	c samples i	eceived by ti	ie laboratt	ny with this COC. The hability of the labo	ratory is infinited t	o the al	nount	paid	101 01	i the f	chort								



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Page 660 of 1081

Printed: 11/13/2024 9:52:15AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

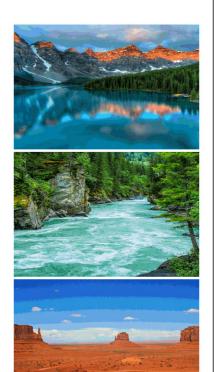
Instructions: Please take note of any NO checkmarks.

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:	11/12/24	09:45		Work Order ID:	E411122
Phone:	(575) 200-6754	Date Logged In:	11/12/24	13:34		Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	11/18/24	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mate	ch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	ourier		
	e COC complete, i.e., signatures, dates/times, request	ted analyses?	Yes	Carrier. <u>C</u>	<u>ourier</u>		
	Il samples received within holding time?	iou unui y sos i	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio					Comment	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes				
	•	temperature. 4	<u>C</u>				
Sample C	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lat	· · · · · · · · · · · · · · · · · · ·	ers conected:	105				
•	field sample labels filled out with the minimum infor	rmation:					
	ample ID?	mation.	Yes				
	ate/Time Collected?		Yes	L			
C	ollectors name?		No				
Sample P	reservation_						
21. Does	the COC or field labels indicate the samples were pro-	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	e?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	v?	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	• NI A		
		30 WIIO:	1421	Subcontract Lab	, IVA		
Client Ir	<u>astruction</u>						

Date

Report to:
Anna Byers





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E411114

Job Number: 01058-0007

Received: 11/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/19/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 11/19/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411114

Date Received: 11/12/2024 9:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/12/2024 9:45:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line 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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whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

	WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	D (1
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
	Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/24 11:41

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH09 52'	E411114-01A Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 54'	E411114-02A Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH09 55'	E411114-03A Soil	11/07/24	11/12/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:41:24AM

BH09 52' E411114-01

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446058
Benzene	ND	0.0250	1	l	11/12/24	11/15/24	
Ethylbenzene	ND	0.0250	1	l	11/12/24	11/15/24	
Toluene	ND	0.0250	1	l	11/12/24	11/15/24	
o-Xylene	ND	0.0250	1	l	11/12/24	11/15/24	
p,m-Xylene	ND	0.0500	1	1	11/12/24	11/15/24	
Total Xylenes	ND	0.0250	1	l	11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		99.4 %	70-130		11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		11/12/24	11/15/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446058
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		99.4 %	70-130		11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		11/12/24	11/15/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446061
Diesel Range Organics (C10-C28)	ND	25.0	1	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	11/12/24	11/14/24	
Surrogate: n-Nonane		107 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446096



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:41:24AM

BH09 54' E411114-02

		2.11111.02					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
			Dili		•	Anaryzed	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2446058
Benzene	ND	0.0250		1	11/12/24	11/15/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/15/24	
Toluene	ND	0.0250		1	11/12/24	11/15/24	
o-Xylene	ND	0.0250		1	11/12/24	11/15/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/15/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		99.0 %	70-130		11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		92.1 %	70-130		11/12/24	11/15/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446058
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/15/24	
Surrogate: Bromofluorobenzene		99.0 %	70-130		11/12/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		92.1 %	70-130		11/12/24	11/15/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446061
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/14/24	
Surrogate: n-Nonane		113 %	50-200		11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446096
Chloride	135	20.0		1	11/13/24	11/14/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:41:24AM

BH09 55' E411114-03

D. I	Reporting	Р."		D 1		N
Result	Limit	Dili	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2446058
ND	0.0250		1	11/12/24	11/15/24	
ND	0.0250		1	11/12/24	11/15/24	
ND	0.0250		1	11/12/24	11/15/24	
ND	0.0250		1	11/12/24	11/15/24	
ND	0.0500		1	11/12/24	11/15/24	
ND	0.0250		1	11/12/24	11/15/24	
	96.6 %	70-130		11/12/24	11/15/24	
	93.2 %	70-130		11/12/24	11/15/24	
	104 %	70-130		11/12/24	11/15/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2446058
ND	20.0		1	11/12/24	11/15/24	
	96.6 %	70-130		11/12/24	11/15/24	
	93.2 %	70-130		11/12/24	11/15/24	
	104 %	70-130		11/12/24	11/15/24	
mg/kg	mg/kg		Analyst:	NV		Batch: 2446061
ND	25.0		1	11/12/24	11/14/24	
ND	50.0		1	11/12/24	11/14/24	
	111 %	50-200	·	11/12/24	11/14/24	
mg/kg	mg/kg		Analyst:	JM		Batch: 2446096
ND	40.0		2	11/13/24	11/14/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 0.0250 MD 93.2 % 104 % 104 % mg/kg mg/kg ND 20.0 mg/kg mg/kg ND 25.0 ND 50.0 111 % mg/kg mg/kg mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 96.6 % 70-130 93.2 % 70-130 104 % 70-130 mg/kg mg/kg ND 20.0 96.6 % 70-130 104 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 111 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 93.2 % 70-130 104 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 96.6 % 70-130 1 93.2 % 70-130 1 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 111 % 50-200 mg/kg Mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 96.6% 70-130 11/12/24 93.2% 70-130 11/12/24 104% 70-130 11/12/24 MD 20.0 1 11/12/24 93.2% 70-130 11/12/24 93.2% 70-130 11/12/24 104% 70-130 11/12/24 104% 70-130 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 Mg/k	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/15/24 ND 0.0500 1 11/12/24 11/15/24 ND 0.0250 1 11/12/24 11/15/24 96.6 % 70-130 11/12/24 11/15/24 93.2 % 70-130 11/12/24 11/15/24 mg/kg mg/kg Analyst: IY 11/12/24 11/15/24 ND 20.0 1 11/12/24 11/15/24 93.2 % 70-130 11/12/24 11/15/24 93.2 % 70-130 11/12/24 11/15/24 104 % 70-130 11/12/24 11/15/24 mg/kg mg/kg Analyst: NV ND



WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/19/2024 11:41:24AM

Carlsbad NM, 88220		Project Manage	r: Aı	nna Byers				11/	19/2024 11:41:24A
	Vo	olatile Organ	ic Compo	В			Analyst: IY		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446058-BLK1)							Prepared: 1	1/12/24 Anal	lyzed: 11/15/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.6	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			
LCS (2446058-BS1)							Prepared: 1	1/12/24 Anal	lyzed: 11/15/24
Benzene	2.46	0.0250	2.50		98.6	70-130			
Ethylbenzene	2.66	0.0250	2.50		107	70-130			
Toluene	2.60	0.0250	2.50		104	70-130			
o-Xylene	2.74	0.0250	2.50		109	70-130			
p,m-Xylene	5.53	0.0500	5.00		111	70-130			
Total Xylenes	8.27	0.0250	7.50		110	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			
LCS Dup (2446058-BSD1)							Prepared: 1	1/12/24 Anal	lyzed: 11/15/24
Benzene	2.45	0.0250	2.50		97.8	70-130	0.794	23	
Ethylbenzene	2.68	0.0250	2.50		107	70-130	0.599	27	
Foluene	2.60	0.0250	2.50		104	70-130	0.192	24	
o-Xylene	2.78	0.0250	2.50		111	70-130	1.56	27	
p,m-Xylene	5.64	0.0500	5.00		113	70-130	1.92	27	
Total Xylenes	8.42	0.0250	7.50		112	70-130	1.80	27	
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			

0.500

70-130

0.512



Surrogate: Toluene-d8

WPX Energy - CarlsbadProject Name:East Pecos 22-3 Produced Water Gathering LineReported:5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Anna Byers11/19/2024 11:41:24AM

Nonhalogenated	Organics by	v EPA 8015D	- GRO

Analyst: IY

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

Blank (2446058-BLK1)						Prepared: 11	/12/24 Analy	zed: 11/15/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.496		0.500	99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500	91.6	70-130			
Surrogate: Toluene-d8	0.517		0.500	103	70-130			
LCS (2446058-BS2)						Prepared: 11	/12/24 Analy	zed: 11/15/24
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	109	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500	99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500	95.0	70-130			
Surrogate: Toluene-d8	0.534		0.500	107	70-130			
LCS Dup (2446058-BSD2)						Prepared: 11	/12/24 Analy	zed: 11/15/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	108	70-130	0.548	20	
Surrogate: Bromofluorobenzene	0.501		0.500	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500	96.1	70-130			
Surrogate: Toluene-d8	0.529		0.500	106	70-130			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:41:24AM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				11	/19/2024 11:41:24A
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446061-BLK1)							Prepared: 1	1/12/24 An	alyzed: 11/13/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.1		50.0		108	50-200			
LCS (2446061-BS1)							Prepared: 11	1/12/24 Ana	alyzed: 11/13/24
Diesel Range Organics (C10-C28)	264	25.0	250		105	38-132			
Surrogate: n-Nonane	54.7		50.0		109	50-200			
Matrix Spike (2446061-MS1)				Source:	E411114-()1	Prepared: 11	1/12/24 An	alyzed: 11/14/24
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	54.6		50.0		109	50-200			
Matrix Spike Dup (2446061-MSD1)				Source:	E411114-()1	Prepared: 11	1/12/24 An	alyzed: 11/14/24
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132	0.0562	20	
Surrogate: n-Nonane	54.1		50.0		108	50-200			

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Project Number: Project Manager	roject Number: 01058-0007						Reported: 11/19/2024 11:41:24AM					
	Anions by EPA 300.0/9056A												
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit					

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446096-BLK1)]	Prepared: 11	1/13/24 Ana	lyzed: 11/13/24
Chloride	ND	20.0							
LCS (2446096-BS1)							Prepared: 11	1/13/24 Ana	lyzed: 11/13/24
Chloride	253	20.0	250		101	90-110			
LCS Dup (2446096-BSD1)							Prepared: 11	1/13/24 Ana	lyzed: 11/13/24
Chloride	252	20.0	250		101	90-110	0.275	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:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/24 11:41

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



4
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of
13
Page

Client: W	PX Energy	v Permiai	n, LLC.		Bill To						130%		⊘∗La	b Us	e Onl	V illia		94.C	TAT					EPA P	rogram	
			Water Gat	hering Line		Atte	ntion: J	im Rak				Lab	WO#			Job I	lum	ber .		10	2D	3D		andard	CWA	SDWA
Project N	lanager: /	Anna Bye	rs		198				ena Vista	Dr.		Lab E 4	////	14		Ot	158	-04	07			\Box	5 0	Jay TAT		
Address:	13000 W	County (Rd 100		Ţ.	City,	State,	Zip: Ca	risbad, N	IM, 88220)							d Me								RCRA
City, Stat	e, Zip_Od	essa,TX,	79765		- 7	Pho	ne: 575	-885-7	502				<u>ر</u>										. :			
Phone: 4	32-305-64	415			堂	Ema	il: jim.ra	aley@c	dvn.com			7	1 8		1										State	
Email: De	von-team	n@etech	env.com		97	wo	21255	735				7	Į ž	l	1	l I						il		NM CO	UT AZ	TX
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	by: Edyte	e Konan	,								10	1 2	8	y 802	, 82	65	de 30		/ Ani					×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID)						Lab Number	Depth(ft.)	TPH GRD/DRO/ORO by 8015	втех ьу	VOC by 8250	Metals 6010	Chloride 300.0	TDS	Cation/ Anlon	эодэв		2005			Remarks	
10:05	11.07.24	s	1				BH09	ı				52'								x						
10:10	11.07.24	S	1				вн09	J			2	54'								x						
10:15	11.07.24	s	1				BH09	J			3	55'								x					•	
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Relipquishe	ed byodsland	yhte)	les 11-		Time		Redelyed			7 1	Date 11.12	•	Time	74		Τi			· V.		Sec. 25	partin Partin Partin Partin		13		
	d by: (Signa		Date		Time 246		Received	by Sig	mature)	r.	11.12.	24	Time		5	AVG	Tem	D °C	4	Y						
Sample Matr	ix: S - Soil, Sd	- Solid, Sa -		aueous, O - O	ther	<u>~-</u> -(u	4,4~	7. 4		Containe	Type:	g - gi:	ass. p	- poly					lass.	v - V	OA				<u>. </u>
				suits are rep	_	less oth	er arrange	ements	are made.	Hazardous													eport	for the ana	iysis of the	above
samples is a	pplicable o	nly to thos	e samples n	eceived by t	he labora	story wit	h this CO	C. The II	ability of t	he laborato	y is limited	o the a	moun	t paid	for on	the re	port.									



envirotech⁹⁷³ of 1081

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Printed: 11/13/2024 9:42:44AM

Envirotech Analytical Laboratory

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:	11/12/24	09:45		Work Order ID:	E411114
Phone:	(575) 200-6754	Date Logged In:	11/12/24	10:46		Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	11/18/24	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	he sample ID match the COC?		Yes				
	he number of samples per sampling site location mate	ch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, request	ted analyses?	Yes	<u> </u>	<u> </u>		
	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in	the field,	Yes			Comment	s/Pasalution
Sample 7	i.e, 15 minute hold time, are not included in this disucssio Furn Around Time (TAT)	n.		[Comment	s/Resolution
	e 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 th	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	, were custody/security seals intact?		NA				
12. Was th	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes				
	•	emperature. 4	<u> </u>				
	<u>Container</u> queous VOC samples present?		No				
	/OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field La		ers conected:	168				
•	field sample labels filled out with the minimum infor	mation:					
	ample ID?	mation.	Yes				
	Date/Time Collected?		Yes	l			
C	Collectors name?		No				
Sample 1	Preservation_						
21. Does	the COC or field labels indicate the samples were pro-	eserved?	No				
22. Are s	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	e?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subconti	ract Laboratory						
	amples required to get sent to a subcontract laborator	v?	No				
	a subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	· NA		
	nstruction			Successification Euro			
CHEIL	isti uction						

Date

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

Report to:
Anna Byers







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E411116

Job Number: 01058-0007

Received: 11/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/19/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 11/19/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411116

Date Received: 11/12/2024 9:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/12/2024 9:45:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line 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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whinchman@envirotech-inc.com

Raina Schwanz

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line S115 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/19/24 12:21

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH10 0.5'	E411116-01A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 2'	E411116-02A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 4'	E411116-03A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 6'	E411116-04A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 8'	E411116-05A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 10'	E411116-06A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 12'	E411116-07A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 14'	E411116-08A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 16'	E411116-09A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 18'	E411116-10A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 20'	E411116-11A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 22'	E411116-12A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 24'	E411116-13A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 26'	E411116-14A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 28'	E411116-15A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 30'	E411116-16A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 32'	E411116-17A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 34'	E411116-18A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 36'	E411116-19A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 38'	E411116-20A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 40'	E411116-21A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 42'	E411116-22A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 44'	E411116-23A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 46'	E411116-24A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 48'	E411116-25A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 50'	E411116-26A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 52'	E411116-27A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 54'	E411116-28A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH10 55'	E411116-29A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 0.5' E411116-01

		L411110-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2446059
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		93.1 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446059
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2446069
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		102 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: JM		Batch: 2446108
Chloride	ND	100	5	11/13/24	11/15/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 2'

E411116-02						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446059
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		92.0 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446059
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	yst: NV		Batch: 2446069
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		98.3 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	yst: JM		Batch: 2446108
Chloride	54.2	20.0	1	11/13/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 4' E411116-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: BA		Batch: 2446059
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		91.8 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446059
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2446069
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		102 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A		mg/kg	Analy	rst: JM		Batch: 2446108
Chloride	64.0	20.0	1	11/13/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 6' E411116-04

		2111110 01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2446059
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446059
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2446069
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		103 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2446108
Chloride	64.2	20.0	1	11/13/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 8' E411116-05

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analyst: BA			Batch: 2446059
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		91.3 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446059
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg Ana		Analyst: NV		Batch: 2446069
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		98.7 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446108
Chloride	ND	40.0	2	11/13/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 10' E411116-06

	LTITIO 00				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2446059
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0500	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
	91.0 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Analyst: BA			Batch: 2446059
ND	20.0	1	11/12/24	11/17/24	
	90.3 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2446069
ND	25.0	1	11/12/24	11/14/24	
ND	50.0	1	11/12/24	11/14/24	
	100 %	50-200	11/12/24	11/14/24	
mg/kg	mg/kg	Anal	yst: JM		Batch: 2446108
51.0	40.0	2	11/13/24	11/15/24	
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 90.3 % mg/kg ND 25.0 ND 50.0 100 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 91.0 % 70-130 mg/kg mg/kg Analy ND 20.0 1 90.3 % 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 100 % 50-200 mg/kg Mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 Mg/kg mg/kg Analyst: NV 1	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24 11/14/24 ND 50.0 <



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 12' E411116-07

		E411110-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
				•		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446059
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		90.5 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446059
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.6%	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2446069
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		101 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2446108
Chloride	66.0	20.0	1	11/13/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 14' E411116-08

		E-11110-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2446059
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		90.2 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	mg/kg Analyst: BA			Batch: 2446059
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.8 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2446069
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		100 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: JM		Batch: 2446108
Chloride	65.9	20.0	1	11/13/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 16' E411116-09

	LTITIO 07				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2446059
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0500	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
	90.2 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Analyst: BA			Batch: 2446059
ND	20.0	1	11/12/24	11/17/24	
	90.5 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Analy	yst: NV		Batch: 2446069
ND	25.0	1	11/12/24	11/14/24	
ND	50.0	1	11/12/24	11/14/24	
	103 %	50-200	11/12/24	11/14/24	
mg/kg	mg/kg	Analy	yst: JM		Batch: 2446108
ND	40.0	2	11/13/24	11/15/24	
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MD 20.0 90.5 % mg/kg MD 25.0 ND 50.0 103 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 90.2 % 70-130 mg/kg mg/kg Analy ND 20.0 1 90.5 % 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 103 % 50-200 mg/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 mg/kg mg/kg Analyst: NV	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: BA 11/12/24 11/17/24 mg/kg mg/kg Analyst: BA 11/12/24 11/17/24 ND 25.0 1 11/12/24 11/17/24 ND 25.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 18' E411116-10

	L411110 10				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2446059
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0500	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
	90.1 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2446059
ND	20.0	1	11/12/24	11/17/24	
	90.0 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2446069
ND	25.0	1	11/12/24	11/14/24	
ND	50.0	1	11/12/24	11/14/24	
	101 %	50-200	11/12/24	11/14/24	
mg/kg	mg/kg	Anal	yst: JM		Batch: 2446108
ND	40.0	2	11/13/24	11/15/24	
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 90.0 % mg/kg ND 25.0 ND 50.0 101 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 90.1% 70-130 mg/kg mg/kg Analy ND 20.0 1 90.0% 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 101% 50-200 mg/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 Mg/kg mg/kg Analyst: NV	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24 11/14/24 Mg/kg mg/kg



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 20' E411116-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2446059
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		89.8 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446059
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2446069
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		103 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: JM		Batch: 2446108
Chloride	ND	40.0	2	11/13/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 22'

		E411116-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446059
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		90.6 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446059
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2446069
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		98.7 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2446108
Chloride	ND	40.0	2	11/13/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 24' E411116-13

	L411110 15				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2446059
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0500	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
	90.7 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2446059
ND	20.0	1	11/12/24	11/17/24	
	90.3 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Analy	yst: NV		Batch: 2446069
ND	25.0	1	11/12/24	11/14/24	
ND	50.0	1	11/12/24	11/14/24	
	104 %	50-200	11/12/24	11/14/24	
mg/kg	mg/kg	Analy	yst: JM		Batch: 2446108
ND	40.0	2	11/13/24	11/15/24	
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MD 20.0 90.3 % mg/kg MD 25.0 ND 50.0 104 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 90.7 % 70-130 mg/kg mg/kg Analy ND 20.0 1 90.3 % 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 104 % 50-200 mg/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 Mg/kg mg/kg Analyst: NV	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24 11/14/24 Mg/kg mg/kg



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 26' E411116-14

		12411110-14				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2446059
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		91.0 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446059
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.8 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2446069
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		103 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2446108
Chloride	ND	40.0	2	11/13/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 28' E411116-15

		E-11110-13				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2446059
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		91.8 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2446059
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2446069
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		105 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2446108
Chloride	ND	40.0	2	11/13/24	11/15/24	
· · · · · · · · · · · · · · · · · · ·					11/15/24	Baten:



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 30' E411116-16

	L411110 10				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2446059
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0500	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
	91.2 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2446059
ND	20.0	1	11/12/24	11/17/24	
	89.5 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Analy	yst: NV		Batch: 2446069
ND	25.0	1	11/12/24	11/14/24	
ND	50.0	1	11/12/24	11/14/24	
	101 %	50-200	11/12/24	11/14/24	
mg/kg	mg/kg	Analy	yst: JM		Batch: 2446108
ND	40.0	2	11/13/24	11/15/24	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 89.5 % mg/kg MB/kg mg/kg ND 25.0 ND 50.0 101 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 0.0250 1 91.2 % 70-130 mg/kg mg/kg Analy ND 20.0 1 89.5 % 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 101 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 mg/kg Mg/kg Analyst: BA ND 20.0 1 11/12/24 mg/kg Mg/kg Analyst: NV ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 mg/kg Mg/kg Analyst: NV	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 11/17/24 ND 25.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24 11/14/24 Mg/kg mg/kg Analyst: JM



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 32' E411116-17

		2.11110 17				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2446059
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2446059
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2446069
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		100 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: JM		Batch: 2446108
Chloride	ND	40.0	2	11/13/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 34' E411116-18

		2.111110 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2446059
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2446059
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2446069
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		107 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: JM		Batch: 2446108
Chloride	ND	40.0	2	11/13/24	11/16/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 36' E411116-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: BA		Batch: 2446059
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: BA		Batch: 2446059
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2446069
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		107 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: JM		Batch: 2446108
Chloride	ND	40.0	2	11/13/24	11/16/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 38' E411116-20

	LTITITO 20				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2446059
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0500	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
	94.5 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Analyst: BA			Batch: 2446059
ND	20.0	1	11/12/24	11/17/24	
	90.0 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2446069
ND	25.0	1	11/12/24	11/14/24	
ND	50.0	1	11/12/24	11/14/24	
	104 %	50-200	11/12/24	11/14/24	
mg/kg	mg/kg	Anal	yst: JM		Batch: 2446108
ND	40.0	2	11/13/24	11/16/24	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 94.5 % mg/kg MD 20.0 90.0 % mg/kg ND 25.0 ND 50.0 104 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 94.5 % 70-130 mg/kg mg/kg Analy ND 20.0 1 90.0 % 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 104 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 Mg/kg Mg/kg Analyst: NV	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24 11/14/24



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 40'

		E411116-21				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2446062
Benzene	ND	0.0250	1	11/12/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/15/24	
Toluene	ND	0.0250	1	11/12/24	11/15/24	
o-Xylene	ND	0.0250	1	11/12/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID		98.5 %	70-130	11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2446062
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %	70-130	11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2446068
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		117 %	50-200	11/12/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: JM		Batch: 2446111
Chloride	ND	40.0	2	11/13/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 42'

		E411116-22				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446062
Benzene	ND	0.0250	1	11/12/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/15/24	
Toluene	ND	0.0250	1	11/12/24	11/15/24	
o-Xylene	ND	0.0250	1	11/12/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID		97.2 %	70-130	11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446062
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %	70-130	11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2446068
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		113 %	50-200	11/12/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2446111
Chloride	ND	40.0	2	11/13/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 44' E411116-23

	E-111110 25				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2446062
ND	0.0250	1	11/12/24	11/15/24	
ND	0.0250	1	11/12/24	11/15/24	
ND	0.0250	1	11/12/24	11/15/24	
ND	0.0250	1	11/12/24	11/15/24	
ND	0.0500	1	11/12/24	11/15/24	
ND	0.0250	1	11/12/24	11/15/24	
	97.4 %	70-130	11/12/24	11/15/24	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2446062
ND	20.0	1	11/12/24	11/15/24	
	90.6 %	70-130	11/12/24	11/15/24	
mg/kg	mg/kg	Analy	yst: NV		Batch: 2446068
ND	25.0	1	11/12/24	11/13/24	
ND	50.0	1	11/12/24	11/13/24	
	116 %	50-200	11/12/24	11/13/24	
mg/kg	mg/kg	Analy	yst: JM		Batch: 2446111
ND	40.0	2	11/13/24	11/14/24	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 0.0250 97.4 % mg/kg MD 20.0 90.6 % mg/kg ND 25.0 ND 50.0 I16 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 97.4 % 70-130 mg/kg mg/kg Analy ND 20.0 1 90.6 % 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 116 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg MS Analyst: BA ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 Mg/kg mg/kg Analyst: NV	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 11/15/24 ND 0.0250 1 11/12/24 11/15/24 ND 0.0250 1 11/12/24 11/15/24 ND 0.0500 1 11/12/24 11/15/24 ND 0.0250 1 11/12/24 11/15/24 ND 0.0250 1 11/12/24 11/15/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/15/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/15/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 11/13/24 ND 50.0 1 11/12/24 11/13/24 ND 50.0 1 11/12/24 11/13/24



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 46' E411116-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2446062
Benzene	ND	0.0250	1	11/12/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/15/24	
Toluene	ND	0.0250	1	11/12/24	11/15/24	
o-Xylene	ND	0.0250	1	11/12/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2446062
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	70-130	11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2446068
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		103 %	50-200	11/12/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2446111
Chloride	ND	100	5	11/13/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 48'

		E411116-25				
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2446062
Benzene	ND	0.0250	1	11/12/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/15/24	
Toluene	ND	0.0250	1	11/12/24	11/15/24	
o-Xylene	ND	0.0250	1	11/12/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2446062
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: NV		Batch: 2446068
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		106 %	50-200	11/12/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: JM		Batch: 2446111
Chloride	ND	100	5	11/13/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 50' E411116-26

		2111110 20				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2446062
Benzene	ND	0.0250	1	11/12/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/15/24	
Toluene	ND	0.0250	1	11/12/24	11/15/24	
o-Xylene	ND	0.0250	1	11/12/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2446062
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.9 %	70-130	11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2446068
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		110 %	50-200	11/12/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: JM		Batch: 2446111
Chloride	ND	40.0	2	11/13/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 52'

		E411116-27				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2446062
Benzene	ND	0.0250	1	11/12/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/15/24	
Toluene	ND	0.0250	1	11/12/24	11/15/24	
o-Xylene	ND	0.0250	1	11/12/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID		97.1 %	70-130	11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2446062
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: NV		Batch: 2446068
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		113 %	50-200	11/12/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: JM		Batch: 2446111
Chloride	ND	100	5	11/13/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 54' E411116-28

	L411110 20				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2446062
ND	0.0250	1	11/12/24	11/15/24	
ND	0.0250	1	11/12/24	11/15/24	
ND	0.0250	1	11/12/24	11/15/24	
ND	0.0250	1	11/12/24	11/15/24	
ND	0.0500	1	11/12/24	11/15/24	
ND	0.0250	1	11/12/24	11/15/24	
	97.6 %	70-130	11/12/24	11/15/24	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2446062
ND	20.0	1	11/12/24	11/15/24	
	89.4 %	70-130	11/12/24	11/15/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2446068
ND	25.0	1	11/12/24	11/13/24	
ND	50.0	1	11/12/24	11/13/24	
	113 %	50-200	11/12/24	11/13/24	
mg/kg	mg/kg	Anal	yst: JM		Batch: 2446111
ND	100	5	11/13/24	11/14/24	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mg/kg mg/kg Mg/kg mg/kg ND 20.0 89.4 % mg/kg ND 25.0 ND 50.0 113 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 97.6 % 70-130 mg/kg mg/kg Analy ND 20.0 1 89.4 % 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 113 % 50-200 mg/kg Mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Manalyst: BA ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 Mg/kg mg/kg Analyst: NV	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 11/15/24 ND 0.0250 1 11/12/24 11/15/24 ND 0.0250 1 11/12/24 11/15/24 ND 0.0500 1 11/12/24 11/15/24 ND 0.0250 1 11/12/24 11/15/24 ND 0.0250 1 11/12/24 11/15/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/15/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 11/13/24 ND 25.0 1 11/12/24 11/13/24 ND 50.0 1 11/12/24 11/13/24 MD 50.0 1 11/12/24 11/13/24 Mg/kg mg/kg Analyst: JM



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

BH10 55'

		E411116-29				
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2446062
Benzene	ND	0.0250	1	11/12/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/15/24	
Toluene	ND	0.0250	1	11/12/24	11/15/24	
o-Xylene	ND	0.0250	1	11/12/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2446062
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	11/12/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: NV		Batch: 2446068
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		112 %	50-200	11/12/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: JM		Batch: 2446111
Chloride	ND	40.0	2	11/13/24	11/14/24	



Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		058-0007 nna Byers				11/	19/2024 12:21:43PN
		Volatile O	rganics b	y EPA 802	1B				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446059-BLK1)						P	repared: 1	1/12/24 Ana	lyzed: 11/18/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.48		8.00		93.5	70-130			
LCS (2446059-BS1)						P	repared: 1	1/12/24 Ana	lyzed: 11/18/24
Benzene	4.68	0.0250	5.00		93.5	70-130			
Ethylbenzene	4.44	0.0250	5.00		88.7	70-130			
Toluene	4.57	0.0250	5.00		91.4	70-130			
o-Xylene	4.41	0.0250	5.00		88.3	70-130			
o,m-Xylene	9.02	0.0500	10.0		90.2	70-130			
Total Xylenes	13.4	0.0250	15.0		89.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.48		8.00		93.5	70-130			
LCS Dup (2446059-BSD1)						P	repared: 1	1/12/24 Ana	lyzed: 11/18/24
Benzene	5.12	0.0250	5.00		102	70-130	9.09	20	
Ethylbenzene	4.87	0.0250	5.00		97.5	70-130	9.40	20	
Toluene	5.01	0.0250	5.00		100	70-130	9.15	20	
o-Xylene	4.87	0.0250	5.00		97.4	70-130	9.85	20	
p,m-Xylene	9.88	0.0500	10.0		98.8	70-130	9.08	20	
Total Xylenes	14.8	0.0250	15.0		98.3	70-130	9.34	20	



Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		.058-0007 nna Byers				11	/19/2024 12:21:43PM	
Volatile Organics by EPA 8021B Analyst: BA										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2446062-BLK1)]	Prepared: 11	1/12/24 Ana	alyzed: 11/14/24	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
o,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130				
LCS (2446062-BS1)]	Prepared: 11	1/12/24 Ana	alyzed: 11/14/24	
Benzene	4.22	0.0250	5.00		84.4	70-130				
Ethylbenzene	4.22	0.0250	5.00		84.5	70-130				
Toluene	4.27	0.0250	5.00		85.4	70-130				
o-Xylene	4.22	0.0250	5.00		84.5	70-130				
p,m-Xylene	8.61	0.0500	10.0		86.1	70-130				
Total Xylenes	12.8	0.0250	15.0		85.6	70-130				
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.8	70-130				
LCS Dup (2446062-BSD1)]	Prepared: 1	1/12/24 Ana	alyzed: 11/14/24	
Benzene	3.81	0.0250	5.00		76.2	70-130	10.1	20		
Ethylbenzene	3.82	0.0250	5.00		76.4	70-130	9.99	20		
Toluene	3.86	0.0250	5.00		77.2	70-130	10.1	20		
o-Xylene	3.83	0.0250	5.00		76.5	70-130	9.92	20		
p,m-Xylene	7.80	0.0500	10.0		78.0	70-130	9.87	20		
Total Xylenes	11.6	0.0250	15.0		77.5	70-130	9.89	20		

70-130



Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

Carlsbad NM, 88220		Project Manager		nna Byers				11/	19/2024 12:21:43PM
	Non	halogenated (Organics	by EPA 80	15D - G	RO			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446059-BLK1)							Prepared: 1	1/12/24 Anal	yzed: 11/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			
LCS (2446059-BS2)							Prepared: 1	1/12/24 Anal	yzed: 11/18/24
Gasoline Range Organics (C6-C10)	35.4	20.0	50.0		70.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			
LCS Dup (2446059-BSD2)							Prepared: 1	1/12/24 Anal	yzed: 11/18/24
Gasoline Range Organics (C6-C10)	41.7	20.0	50.0		83.4	70-130	16.3	20	

8.00

70-130

7.36

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/19/2024 12:21:43PM

Nonhalogenated	Organics by	v EPA	.8015D -	GRO

Analyst: BA

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

Blank (2446062-BLK1)						Prepared: 1	1/12/24	Analyzed: 11/14/2
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00	91.8	70-130			
LCS (2446062-BS2)						Prepared: 1	1/12/24	Analyzed: 11/14/2
Gasoline Range Organics (C6-C10)	45.0	20.0	50.0	90.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00	93.4	70-130			
LCS Dup (2446062-BSD2)						Prepared: 1	1/12/24	Analyzed: 11/14/2
Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	88.9	70-130	1.38	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00	94.0	70-130			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				11	/19/2024 12:21:43P
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446068-BLK1)							Prepared: 1	1/12/24 Ana	alyzed: 11/13/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.0		50.0		108	50-200			
LCS (2446068-BS1)							Prepared: 1	1/12/24 Ana	alyzed: 11/13/24
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
Surrogate: n-Nonane	52.8		50.0		106	50-200			
Matrix Spike (2446068-MS1)				Source:	E411116-2	25	Prepared: 1	1/12/24 Ana	alyzed: 11/13/24
Diesel Range Organics (C10-C28)	294	25.0	250	ND	118	38-132			
Surrogate: n-Nonane	59.0		50.0		118	50-200			
Matrix Spike Dup (2446068-MSD1)				Source:	E411116-2	25	Prepared: 1	1/12/24 Ana	alyzed: 11/13/24
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132	5.95	20	
Surrogate: n-Nonane	55.5		50.0		111	50-200			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 12:21:43PM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				1	1/19/2024 12:21:43P
	Nonhal	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446069-BLK1)							Prepared: 1	1/12/24 An	alyzed: 11/14/24
riesel Range Organics (C10-C28)	ND	25.0							
til Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.4		50.0		96.8	50-200			
.CS (2446069-BS1)							Prepared: 1	1/12/24 An	alyzed: 11/14/24
iesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
urrogate: n-Nonane	51.6		50.0		103	50-200			
Aatrix Spike (2446069-MS1)				Source:	E411116-0)5	Prepared: 1	1/12/24 An	alyzed: 11/14/24
riesel Range Organics (C10-C28)	272	25.0	250	ND	109	38-132			
urrogate: n-Nonane	54.7		50.0		109	50-200			
Matrix Spike Dup (2446069-MSD1)				Source:	E411116-0)5	Prepared: 1	1/12/24 An	alyzed: 11/14/24
tiesel Range Organics (C10-C28)	248	25.0	250	ND	99.2	38-132	9.20	20	
urrogate: n-Nonane	50.7		50.0		101	50-200			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr Carlsbad NM, 88220	Project Number: Project Manager:	01058-0007 Anna Byers	11/19/2024 12:21:43PM

Anions	by	EPA	300	.0/9	056A
--------	----	-----	-----	------	------

Anal	

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

Blank (2446108-BLK1)						Prepared: 11/13/24 Analyzed: 11/15/2
Chloride	ND	20.0				
LCS (2446108-BS1)						Prepared: 11/13/24 Analyzed: 11/15/2
Chloride	253	20.0	250	101	90-110	
LCS Dup (2446108-BSD1)						Prepared: 11/13/24 Analyzed: 11/15/2
Chloride	252	20.0	250	101	90-110	0.246 20



Chloride

Chloride

LCS Dup (2446111-BSD1)

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number Project Manage	:	East Pecos 22-3 01058-0007 Anna Byers	Produced	Water Gath	ering Line		Reported: 11/19/2024 12:21:43PM
		Anions	by EPA	300.0/9056	4				Analyst: JM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit	Notes
Blank (2446111-BLK1)									Analyzed: 11/14/24
Chloride	ND	20.0							
LCS (2446111-BS1)]	Prepared: 1	1/13/24 A	Analyzed: 11/14/24

250

250

101

101

90-110

90-110

0.638

Prepared: 11/13/24 Analyzed: 11/14/24

251

253

20.0

20.0

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

1	WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line		
1	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:	
1	Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/24 12:21	

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

lient: W	nt: WPX Energy Permian, LLC. Bill To ct: East Pecos 22-3 Produced Water Gathering Line Attention: Jim Raley														Lab Use Only Job Number					TAT			EPA Pr	rogram
roject: Ea:	t Pecos 22-	3 Produced	Water Gat	tention: Jim Raley			Lab V	VO#	2.00	,	lobi	luml	ber_	اثت.	1D	2D	3D	Sta	ndard	CWA	SDWA			
	lanager: /						dress: 5315 Buena Vista I			E4		ľ	,	DIO	53	·UL)/					ay TAT		
\ddress:	13000 W	County F	Rd 100		1:3	Cit	y, State, Zip: Carlsbad, Ni	M, 88220					- 1	Analy:	is an	d Mei	thod					N 200		RCRA
ity, Stat	e, Zip_Od	essa,TX,	79765			Ph	one: 575-885-7502				5													
hone: 4	32-305-64	115				Em	nail: jim.raley@dvn.com	•			8	1			j			- 1		i			State	
mail: De	mail: Devon-team@etechenv.com WO: 21255735										[출				- 1			- 1	ŀ		Γ	NM CO	UT AZ	TX
					16628496	8				1		ŀ			i	ſ		7						
Collected	l by: Edyte	e Konan								.	TPH GRO/DRO/ORO by 8015	8021	8260	5010	300.0		Anton	Σ		۲		_		
Time Sampled	Date Sampled	Matrix	fto, of Containers	Sample ID					Lab Number	Depth(ft.)	TPH GR	втехь	VOC by 8260	Metals 6010	Chloride 300.0	ZD.	Catlon/	BGDOC		3000			Remarks	
12:35	11.07.24	S	1				BH10		1	0.5'								х						
12:40	11.07.24	s	1				8H10		2	2'								х						
12:45	11.07.24	s	1				8H10		3	4'								x				•		
12:50	11.07.24	S	1				BH10		Ŭ.	6,								х						
12:55	11.07.24	S	1				8H10		5	8'		_						х						
13:00	11.07.24	S	1				BH10		Ø	10'								х			_			
13:05	11.07.24	S	1				BH10		7	12'								x						
13:10	11.07.24	S	1				BH10		8	14'			<u> </u>					х						
13:15	11.07.24	S	1				BH10		9	16'			<u> </u>	_				х					•	
13:20	11.07.24	S	1				BH10		lo	18'								x						
lddition	al Instruc	tions:	l	·					1.82.390		<u>. </u>		l	لــــا										
	-	•		icity of this sar			that tampering with or Intentional		g the sample l	ocation	,					-						ice the day ti	ney are sample s.	d or received
	d by: (Signa		Date		Time				Date		Time			3 ft (*)	1901	1.73	9273	. 'ls	ıb Us	e On	lu :	* 1 (Mar)	238795.38	(125 3 477 125
· canquis	1477	<u> </u>		11/24	20	:OD	Received by: (signature)	a clec	11-11-1	4	Time 20	രാ)	Dare	iusi	on ic								
elingulsha	linguished by: (Signature) 🗼 Date Time Receiged by: (Signature) 🛩 Date								Date		Time			nere	.veu	OI IL	•	6	(4)					
Wiel	elle l	7 6404.4	deci i.	12.24	174	\mathcal{O}	VIII		11.12.	1.4	1-	7//	/A	T1	$\frac{1}{2}$. 5	T 2				<u>13 </u>	1000	and the second second
	d by: (Signa		Date		Time		Received by: (digrature)	<u> </u>	Date		Time	•	-	1		7 U.S.Y		•	No. 15	87 - X				15 N/5
Lade	<u>ل ل</u> ـ	٤.	1/	.12.24		100	Couth M	a	VI-12-24 9:45 AVG Temp °C 4 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
				queous, O - O	ther																			
lote: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be re amples is applicable only to those samples received by the laboratory with this COC. The flability of the laboratory is limited to the															dlen	t expe	ense.	The re	eport :	for the ana	ysis of the	above		
arnpies is a	rbbucapié c	my to thos	e sampies i	eceived by ti	ne labor	atory W	with rus COC. The dapinty of the	e iaporator	y is ilmited to	i cne ar	110UN	baid i	iai ou	rne re	:ροπ.									,

Chain of Custody



envirotech⁷¹⁸ of 1081

Project Information

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Citéut: Mi	X Energy	Permiar	1, L LL.			Bill 10		Lab Wo# Lob Number 10											CPA P	rogram		
Project: Eas	t Pecos 22-3	3 Produced	Water Gat	hering Line		Attention: Jim Raley		Lab V	/O#	* 11		Job N	umt	er.	MELLI San N	1D	2D	3D	Sta	ndard	CWA	\$DWA
Project M	anager: A	nna Bye	rs	<u></u>		Address: 5315 Buena Vista Dr.		E4	7//	10		O/OS	٧.	200	7	\neg	T	\neg	5 d	ay TAT		
Address:	13000 W	County R	kd 100			City, State, Zip: Carlsbad, NM, 88220						inalysi							- 1	X 65 X		RÇRA
City, State	. Zip Od	essa.TX.	79765			Phone: 575-885-7502						Ť		- 1	\neg							
Phone: 43	2-305-64	15		· · · · ·		Email: jim.raley@dvn.com			<u>5</u>				- 1	- 1				- 1	ľ	1 10 2 10 10	State	
Email: De			env.com			WO: 21255735			香				- 1	[- 1	h	NM CO	UT AZ	TX
						Incident ID: nAB1614039576 and nAB16	10670406						- 1	ŀ				- 1	F	1		
						michaent ID. MADIO14035370 and MADIC	10040450		GRO/ORO/ORO by 8015	_ I	_		ا ب	- 1	ا ء	ξ		- 1				!
Collected	by: Edyte	Konan							ĕ	8	360	용	욹		Anton			ř				
Time	Date		No. of		ragins		Lab	¥	8	畜	B Ag	ية 19	흥	- 1	<u>چ</u> ا	8		ا ي	_ h	×ı	.	
Sampled	Sampled	Matrix	Containers	Sample ID			Number	Depth(ft.)	Ŧ	BTEX	VOC by 8260	Metals 6010	Chloride 300.0	ř	Cation/	BGDOC		900			Remarks	
13:25	11.07.24	S	1			вн10	h	20'						\neg		х					•	
							76 C 16 C										_		 ↓			
13:30	11.07.24	5	1			BH10	12	22'	l	. 1			ļ	ı		х		- 1				
			<u> </u>	ļ			# 2		\longrightarrow			-		-				\dashv	\dashv			
13:35	11.07.24	5	1			BH10	13	24'								х	- 1					
			<u> </u>				\$1800 BA NO						寸	_			- 1	_	_			
13:40	11.07.24	S	1			BH10	14	26'								X						
13:45	11.07.24	s	1			BH10	7	28'								х						
151.15							15						_			_		_	\dashv			
13:50	11.07.24	S	1			BH10	10	30'								х	- 1					
12.55	11.07.24	s	1	 -		BH10		32'				一	寸	寸	寸							
13:55	11.07.24					BH10	17	32				_				×			_			
14:00	11.07.24	S	1			BH10	18	34'								х	- 1					
14:05	11.07.24	s	1			BH10	entropy of any entropy	36'				一	1	╅	ヿ	J			$\neg \dagger$			
	11.07.24					BHIO	19	.,,					_	4	_	×	_		_			
14:10	11.07.24	\$	1			BH10	20	38'		1			-			х						
Additiona	I Instruct	ions:	•				v – 1 2 9,61 7 9 1.3											,				
												_					_					
				•		are that tampering with or intentionally mislabellin	g the sample i	ocation,				-	-	-	-					ice the day thi bsequent day		ed or received
				nay be grounds for			l				_	-28.52.5			COLUMN C		· · · · · · · · · · · · · · · · · · ·			A COLOR	est one silver	AG THE STATE OF TH
Relinquished by: (Signature) Date 11/11/24 Time Received by: (Signature) Date 11/11/24 Time Lab Use Only Received on ice: (1)/N																						
gelindnispe	d by: (Signa	ture)	Date	Tim	16	Rockston by: (Construct)	Date		Time			32.7784			C. T	4.00	200	100 m				
Wich	ele (7 7 6 m2	led It	***	740	J. Jander J. J.C.	11.12.7	<u>u</u>	17	14	0	T1			<u> </u>	r2				13		
telinguishe			Date	Tim		Received by //Signature1	Date	2.	Time.	11-			7.		734) (II)	11/2				
Libr	JU		1//-	12.24	2401	seth Than	11/2.2	<i>3</i> 4 :	4:	45		AVG	[em	p°C			¥.J					
ample Matri	x: S - Soil, Sd	- Solid, Sg -		queous, O - Other		_	Container	Type:	- gla	ss, p	· poly	/plast	ic, ag	- am	ber g	lass,	v - VC	A				
						other arrangements are made. Hazardous													port f	or the anal	ysis of the	above
amples is a	ples 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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Client: W	PX Energy	/ Permian	, LLC.		186		Lab					ab Use Only					n lan la		T	EPA P	rogram	
	st Pecos 22-			hering Line				Lab V	VO#			Job I	Num	ber		1D	2D	3D	Standard	CWA	SDWA	
Project N	lanager: A	Anna Byer	rs			Attention: Jim Raley Address: 5315 Buena Vista	Dr.	-	E4	111	16	1	2010	58	000	7			\Box	5 day TAT		
Address:	13000 W	County R	d 100		B/A	City, State, Zip: Carlsbad, N	M, 88220		-			,	Analy							To the same of		RCRA
City, Stat	e, Zip_Od	essa,TX,	79765			Phone: 575-885-7502				2												
	32-305-64					Email: jim.raley@dvn.com				801											State	
Email: De	evon-team	@eteche	env.com		100	WO: 21255735				by									1	NM CC	UT AZ	TX
					100	Incident ID: nAB1614039576	and nAB161	16628496		ORO												
Collected	l by: Edyte	Konan						7202020130		TPH GRO/DRO/ORO by 8015	8021	8260	5010	300.0		Anion	N		¥	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number	Depth(ft.)	TPH GR	ВТЕХ ЬУ 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	верос		GDOC		Remarks	
14:15	11.07.24	S	1			BH10		21	40'								х					
14:20	11.07.24	S	1			BH10		22	42'								x					
14:25	11.07.24	S	1			BH10		23	44'								х					
14:30	11.07.24	S	1			BH10		24	46'								х					
14:35	11.07.24	S	1			BH10		25	48'								х					
14:40	11.07.24	S	1			BH10		26	50'						1		х					
14:45	11.07.24	S	1			BH10		27	52'								х					
14:50	11.07.24	S	1			BH10		28	54'								х					
14:55	11.07.24	S	1			BH10		29	55'								х					
								1.1														
Addition	al Instruc	tions:																				
				city of this sam ay be grounds		aware that tampering with or intentiona ction. <u>Sampled by: EK</u>		the sample I	ocation,											eived on ice the day "C on subsequent o		ed or received
Relinquishe	ed by: (Signa	ture)	Date	11/22	10 OC	Received by: (Signature)	rales	Date 11-11-2	4	Time	000)	Rece	eived	on ic	e:	(V)		se Onl	У		
	d by: (Signa		lect -	2.24	ime 174	Received by: Signature)	0	Date 1740		'n	Received on ice:			T2			T3					
Relinguishe	ed by: (Signa	iture)	Date	T	Time Received by: (Signature)					1.12.24 9:45 AVG Temp °C 4												
Sample Mate	rix: S - Soil Sd	- Solid. Se - S		queous, O - Oth	Container									lass.	v - V	OA						
				esults are reported unless other arrangements are made. Hazardous samples will be																port for the ar	alysis of the	above
					this are reported unless other arrangements are made. Hazardous samples will be returned to clie											30-70 MTS/N		enderfeb		. •		



envirotech environment

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Printed: 11/13/2024 9:46:54AM

Envirotech Analytical Laboratory

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:	11/12/24 09:	45		Work Order ID:	E411116
Phone:	(575) 200-6754	Date Logged In:	11/12/24 10:				Caitlin Mars
Email:	anna@etechenv.com	Date Logged III: Due Date:		00 (4 day TAT)		Logged In By:	Callill Mars
Elliali.	ama@ecenenv.com	Due Date.	11/10/24 17.	.00 (+ day 1A1)			
Chain of	Custody (COC)						
1. Does t	he sample ID match the COC?		Yes				
	he number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	ourier		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes		<u> </u>		
	all samples received within holding time?	•	Yes				
	Note: Analysis, such as pH which should be conducted in					Comment	s/Resolution
~	i.e, 15 minute hold time, are not included in this disucssi	on.		г		Comment	<u>s/ixesolution</u>
	<u>Furn Around Time (TAT)</u>		7.7				
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (V				
	sample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
12. Was th	ne sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample (<u>Container</u>						
14. Are a	queous VOC samples present?		No				
15. Are \	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	a trip blank (TB) included for VOC analyses?		NA				
18. Are n	on-VOC samples collected in the correct containers	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field La	<u>bel</u>						
	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes	L			
	Oate/Time Collected? Collectors name?		Yes	_			
	Preservation		No				
	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved n	netals?	No				
Multiph	ase Sample Matrix						
	the sample have more than one phase, i.e., multipha	se?	No				
	, does the COC specify which phase(s) is to be analy		NA				
		, 200.	11/1				
	ract Laboratory	9	NT.				
	amples required to get sent to a subcontract laborato a subcontract laboratory specified by the client and i	•	No NA S	1 , , , 1	37.4		
	• • •	i so wiio?	NA S	ubcontract Lab	: NA		
Client I	<u>nstruction</u>						

Date

Report to:
Anna Byers







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E411117

Job Number: 01058-0007

Received: 11/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/19/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 11/19/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411117

Date Received: 11/12/2024 9:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/12/2024 9:45:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line 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

Field Offices:

Southern New Mexico Area Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

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Michelle Gonzales

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Sample Summary

WPX Energy - CarlsbadProject Name:East Pecos 22-3 Produced Water Gathering LineReported:5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Anna Byers11/19/24 11:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH11 0.5'	E411117-01A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 2'	E411117-02A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 4'	E411117-03A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 6'	E411117-04A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 8'	E411117-05A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 10'	E411117-06A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 12'	E411117-07A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 14'	E411117-08A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 16'	E411117-09A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 18'	E411117-10A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 20'	E411117-11A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 22'	E411117-12A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 24'	E411117-13A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 26'	E411117-14A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 28'	E411117-15A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 30'	E411117-16A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 32'	E411117-17A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 34'	E411117-18A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 36'	E411117-19A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 38'	E411117-20A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 40'	E411117-21A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 42'	E411117-22A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 44'	E411117-23A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 46'	E411117-24A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 48'	E411117-25A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 50'	E411117-26A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 52'	E411117-27A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 54	E411117-28A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.
BH11 55'	E411117-29A	Soil	11/07/24	11/12/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 0.5' E411117-01

	E41111/-01				
Pagult			Dranavad	Analyzad	Notes
Kesuit	Lillit	Dilution	Frepared	Allalyzeu	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2446063
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0500	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
	95.2 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2446063
ND	20.0	1	11/12/24	11/17/24	
	90.3 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Analy	yst: AF		Batch: 2446071
ND	25.0	1	11/12/24	11/14/24	
ND	50.0	1	11/12/24	11/14/24	
	109 %	50-200	11/12/24	11/14/24	
mg/kg	mg/kg	Analy	yst: JM		Batch: 2446124
174	20.0	1	11/14/24	11/14/24	
	ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MB/kg mg/kg MB/kg mg/kg ND 20.0 MB/kg mg/kg ND 25.0 ND 50.0 109 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 95.2 % 70-130 70-130 mg/kg mg/kg Analy ND 20.0 1 Mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 109 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 mg/kg mg/kg Analyst: AF ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 Mg/kg Mg/kg Analyst: AF 109 % 50-200 11/12/24	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: AF ND 25.0 1 11/12/24 11/17/24 ND 25.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 2'

E411117-02						
Anglista	Result	Reporting Limit	Dilution	Duomonod	Amalyzand	Notes
Analyte	Resuit	Lillit		Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446063
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		96.0 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446063
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.9 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2446071
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		115 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2446124
Chloride	185	20.0	1	11/14/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 4' E411117-03

		E-11117-05				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2446063
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		96.6 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2446063
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: AF		Batch: 2446071
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		109 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2446124
Chloride	427	20.0	1	11/14/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 6' E411117-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: BA		Batch: 2446063
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		96.6 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg Analyst: BA			Batch: 2446063
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.2 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: AF		Batch: 2446071
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		113 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: JM		Batch: 2446124
Chloride	358	20.0	1	11/14/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 8'

		E411117-05				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2446063
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
p-Xylene	ND	0.0250	1	11/12/24	11/17/24	
o,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		96.7 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2446063
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: AF		Batch: 2446071
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		112 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2446124
Chloride	360	20.0	1	11/14/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 10' E411117-06

		E41111/-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA	·	Batch: 2446063
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		96.8 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446063
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.9 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2446071
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		112 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2446124
Chloride	4240	40.0	2	11/14/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 12' E411117-07

		E41111/-0/				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2446063
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2446063
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.2 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: AF		Batch: 2446071
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		114 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2446124
Chloride	1830	40.0	2	11/14/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 14'

E411117-08						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2446063
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
o,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2446063
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.9 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: AF		Batch: 2446071
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		113 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2446124
Chloride	1830	20.0	1	11/14/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 16' E411117-09

		E411117-09				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tilalyce	Result	Liiiit	Dilution	Trepared	Maryzed	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2446063
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2446063
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.6 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: AF		Batch: 2446071
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		113 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: JM		Batch: 2446124
Chloride	1790	40.0	2	11/14/24	11/14/24	·



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 18' E411117-10

	-				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2446063
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0500	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
	97.3 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2446063
ND	20.0	1	11/12/24	11/17/24	
	90.2 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Anal	yst: AF		Batch: 2446071
ND	25.0	1	11/12/24	11/14/24	
ND	50.0	1	11/12/24	11/14/24	
	113 %	50-200	11/12/24	11/14/24	
mg/kg	mg/kg	Anal	yst: JM		Batch: 2446124
2100	20.0	1	11/14/24	11/14/24	
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 97.3 % mg/kg MD 20.0 90.2 % mg/kg ND 25.0 ND 50.0 113 % mg/kg mg/kg mg/kg	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 97.3 % 70-130 mg/kg mg/kg Anal ND 20.0 1 90.2 % 70-130 1 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 113 % 50-200 mg/kg mg/kg Anal	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 mg/kg mg/kg Analyst: AF ND 25.0 1 11/12/24 ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 mg/kg mg/kg Analyst: JM	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: AF ND 25.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24 11/14/24 ND 50.0 <



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 20' E411117-11

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2446063
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0500	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
	97.1 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Analyst: BA			Batch: 2446063
ND	20.0	1	11/12/24	11/17/24	
	90.1 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Anal	yst: AF		Batch: 2446071
ND	25.0	1	11/12/24	11/14/24	
ND	50.0	1	11/12/24	11/14/24	
	115 %	50-200	11/12/24	11/14/24	
mg/kg	mg/kg	Anal	yst: JM		Batch: 2446124
2070	20.0	1	11/14/24	11/15/24	
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 97.1 % mg/kg MD 20.0 90.1 % mg/kg ND 25.0 ND 50.0 115 % mg/kg mg/kg mg/kg	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 97.1 % 70-130 mg/kg mg/kg Anal ND 20.0 1 90.1 % 70-130 1 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 115 % 50-200 mg/kg Mg/kg Anal	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 mg/kg mg/kg Analyst: AF ND 25.0 1 11/12/24 ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 mg/kg mg/kg Analyst: JM	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: AF ND 25.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24 11/14/24 ND 50.0 <



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 22'

		E411117-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446063
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446063
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: AF		Batch: 2446071
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		113 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2446124
Chloride	2100	20.0	1	11/14/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 24' E411117-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	Analyst: BA		Batch: 2446063
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446063
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.3 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: AF		Batch: 2446071
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		112 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: JM		Batch: 2446124
Chloride	2030	20.0	1	11/14/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 26' E411117-14

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	Analyst: BA		Batch: 2446063
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0500	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
	97.3 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Analyst: BA			Batch: 2446063
ND	20.0	1	11/12/24	11/17/24	
	89.6 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Analy	yst: AF		Batch: 2446071
ND	25.0	1	11/12/24	11/14/24	
ND	50.0	1	11/12/24	11/14/24	
	117 %	50-200	11/12/24	11/14/24	
mg/kg	mg/kg	Analy	yst: JM		Batch: 2446124
1970	40.0	2	11/14/24	11/15/24	
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 89.6 % mg/kg MD 25.0 ND 50.0 117 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 97.3 % 70-130 mg/kg mg/kg Analy ND 20.0 1 89.6 % 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 117 % 50-200 mg/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 mg/kg mg/kg Analyst: AF ND 25.0 1 11/12/24 ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24 Mg/kg Mg/kg Analyst: AF	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/17/24 mg/kg mg/kg Analyst: AF ND 25.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24 11/14/24 ND 50.0 1 11/12/24 11/14/24 ND 50.0 <



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 28' E411117-15

		E-11117-13				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446063
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		96.9 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446063
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.9 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2446071
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		117 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2446124
Chloride	2240	20.0	1	11/14/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 30' E411117-16

		E-11117-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2446063
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		96.7 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446063
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: AF		Batch: 2446071
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		110 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2446124
Chloride	2250	20.0	1	11/14/24	11/15/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 32' E411117-17

E41117-17							
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446063	
Benzene	ND	0.0250	1	11/12/24	11/17/24		
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24		
Toluene	ND	0.0250	1	11/12/24	11/17/24		
o-Xylene	ND	0.0250	1	11/12/24	11/17/24		
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24		
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24		
Surrogate: 4-Bromochlorobenzene-PID		96.0 %	70-130	11/12/24	11/17/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2446063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.4 %	70-130	11/12/24	11/17/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2446071	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24		
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24		
Surrogate: n-Nonane		111 %	50-200	11/12/24	11/14/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2446124	
Chloride	2350	20.0	1	11/14/24	11/15/24	·	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 34' E411117-18

		E-71111/-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2446063
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Analyst: BA	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: AF		Batch: 2446071
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		115 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: JM		Batch: 2446124
Chloride	2360	20.0	1	11/14/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 36' E411117-19

		L-11111/-1/				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2446063
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446063
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.6 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: AF		Batch: 2446071
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		117 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: JM		Batch: 2446124
Chloride	2400	20.0	1	11/14/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 38' E411117-20

		E-11117-20				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2446063
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
o,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2446063
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.8 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: AF		Batch: 2446071
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/14/24	
Surrogate: n-Nonane		115 %	50-200	11/12/24	11/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2446124
Chloride	2370	20.0	1	11/14/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 40' E411117-21

Analyzed 11/17/24 11/17/24 11/17/24 11/17/24 11/17/24 11/17/24	Notes Batch: 2446064
11/17/24 11/17/24 11/17/24 11/17/24 11/17/24	
11/17/24 11/17/24 11/17/24 11/17/24	Batch: 2446064
11/17/24 11/17/24 11/17/24 11/17/24	
11/17/24 11/17/24 11/17/24	
11/17/24 11/17/24	
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11/17/24	
11/17/24	
11/17/24	
11/17/24	
	Batch: 2446064
11/17/24	
11/17/24	
11/17/24	
11/17/24	
	Batch: 2446093
11/19/24	
11/19/24	
11/19/24	
	Batch: 2446111
11/14/24	
	11/17/24 11/17/24 11/17/24 11/17/24 11/17/24 11/17/24 11/17/24 11/19/24 11/19/24 11/19/24



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 42' E411117-22

		2111117 22					
Analyte	Result	Reporting Limit	Dilut	tion Pres	pared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		<u> </u>	Batch: 2446064
Benzene	ND	0.0250	1	•	2/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/1	2/24	11/17/24	
Toluene	ND	0.0250	1	11/1	2/24	11/17/24	
o-Xylene	ND	0.0250	1	11/1	2/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/1	2/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/1	2/24	11/17/24	
Surrogate: Bromofluorobenzene		100 %	70-130	11/1	2/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		91.1 %	70-130	11/1	2/24	11/17/24	
Surrogate: Toluene-d8		103 %	70-130	11/1	2/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2446064
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/1	2/24	11/17/24	
Surrogate: Bromofluorobenzene		100 %	70-130	11/1	2/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		91.1 %	70-130	11/1	2/24	11/17/24	
Surrogate: Toluene-d8		103 %	70-130	11/1	2/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV			Batch: 2446093
Diesel Range Organics (C10-C28)	ND	25.0	1	11/1	3/24	11/19/24	-
Oil Range Organics (C28-C36)	ND	50.0	1	11/1	3/24	11/19/24	
Surrogate: n-Nonane		104 %	50-200	11/1	3/24	11/19/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JM			Batch: 2446111
Chloride	4580	40.0	2	11/1	3/24	11/14/24	_



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 44' E411117-23

	- I	Reporting	D.:1				N.
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446064
Benzene	ND	0.0250		1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/17/24	
Toluene	ND	0.0250		1	11/12/24	11/17/24	
o-Xylene	ND	0.0250		1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		96.2 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446064
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		96.2 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446093
Diesel Range Organics (C10-C28)	ND	25.0	-	1	11/13/24	11/19/24	-
Oil Range Organics (C28-C36)	ND	50.0		1	11/13/24	11/19/24	
Surrogate: n-Nonane		106 %	50-200		11/13/24	11/19/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446111
Chloride	4250	40.0		2	11/13/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 46' E411117-24

Result			tion	Prepared	Analyzed	Notes
					7 mary zea	
	<u> </u>	1	Analyst:			Batch: 2446064
ND	0.0250	1		11/12/24	11/17/24	
ND	0.0250	1		11/12/24	11/17/24	
ND	0.0250	1		11/12/24	11/17/24	
ND	0.0250	1		11/12/24	11/17/24	
ND	0.0500	1		11/12/24	11/17/24	
ND	0.0250	1	l	11/12/24	11/17/24	
	99.9 %	70-130		11/12/24	11/17/24	
	92.8 %	70-130		11/12/24	11/17/24	
	103 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg	1	Analyst:	IY		Batch: 2446064
ND	20.0	1	l	11/12/24	11/17/24	
	99.9 %	70-130		11/12/24	11/17/24	
	92.8 %	70-130		11/12/24	11/17/24	
	103 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg	1	Analyst:	NV		Batch: 2446093
ND	25.0	1		11/13/24	11/19/24	
ND	50.0	1	<u> </u>	11/13/24	11/19/24	
	110 %	50-200		11/13/24	11/19/24	
mg/kg	mg/kg	1	Analyst:	JM		Batch: 2446111
4300	40.0	2	2	11/13/24	11/14/24	
	MD ND ND ND Mg/kg ND mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 0.0250 MD 92.8 % 103 % mg/kg ND 20.0 99.9 % 92.8 % 103 % mg/kg ND 25.0 ND 50.0 110 % mg/kg mg/kg mg/kg	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 99.9 % 70-130 92.8 % 70-130 103 % 70-130 99.9 % 70-130 92.8 % 70-130 92.8 % 70-130 103 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 110 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 99.9 % 70-130 92.8 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 99.9 % 70-130 1 99.9 % 70-130 1 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 110 % 50-200 mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 99.9 % 70-130 11/12/24 92.8 % 70-130 11/12/24 103 % 70-130 11/12/24 99.9 % 70-130 11/12/24 99.9 % 70-130 11/12/24 92.8 % 70-130 11/12/24 92.8 % 70-130 11/12/24 92.8 % 70-130 11/12/24 103 % 70-130 11/12/24 103 % 70-130 11/12/24 103 % 70-130 11/12/24 ND 25.0 1 11/13/24 ND 50.0	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 99.9 % 70-130 11/12/24 11/17/24 92.8 % 70-130 11/12/24 11/17/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/12/24 11/17/24 99.9 % 70-130 11/12/24 11/17/24 92.8 % 70-130 11/12/24 11/17/24 103 % 70-130 11/12/24 11/17/24 mg/kg mg/kg Analyst: NV ND 50.0 1 11/13/



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 48' E411117-25

Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst:	•	1 mary 200	Batch: 2446064
Volatile Organic Compounds by EPA 8260B	ND	0.0250		1	11/12/24	11/17/24	Batch: 2440004
Benzene Ethylbenzene	ND ND	0.0250		1	11/12/24	11/17/24	
Toluene	ND	0.0250		1	11/12/24	11/17/24	
o-Xylene	ND	0.0250		1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		97.6 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		102 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446064
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		97.6 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		102 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2446093
Diesel Range Organics (C10-C28)	ND	25.0		1	11/13/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/13/24	11/19/24	
Surrogate: n-Nonane		108 %	50-200		11/13/24	11/19/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446111
Chloride	196	20.0	•	1	11/13/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 50' E411117-26

		2.11117 20					
Apolyto	Result	Reporting Limit	Dilu	tion	Drangrad	Analyzed	Notes
Analyte	Resuit	Limit	Dilu	uon	Prepared	Anaiyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY	7		Batch: 2446064
Benzene	ND	0.0250	1		11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1		11/12/24	11/17/24	
Toluene	ND	0.0250	1		11/12/24	11/17/24	
o-Xylene	ND	0.0250	1		11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1		11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	Į.	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		97.4 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		106 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY	7		Batch: 2446064
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		97.4 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		106 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: N	V		Batch: 2446093
Diesel Range Organics (C10-C28)	ND	25.0	1		11/13/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	Į.	11/13/24	11/19/24	
Surrogate: n-Nonane		105 %	50-200		11/13/24	11/19/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JN	М		Batch: 2446111
Allions by EFA 300.0/9050A		<u> </u>					



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 52' E411117-27

		E411117-27					
Analyte	Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Timeyee					•	7 mary Zea	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446064
Benzene	ND	0.0250	1	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	l	11/12/24	11/17/24	
Toluene	ND	0.0250	1	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		99.9 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446064
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		99.9 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446093
Diesel Range Organics (C10-C28)	ND	25.0	1	1	11/13/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	11/13/24	11/19/24	
Surrogate: n-Nonane		105 %	50-200		11/13/24	11/19/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446111
Chloride	561	20.0	1	1	11/13/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 54 E411117-28

	Reporting						
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446064
Benzene	ND	0.0250	1	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446064
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446093
Diesel Range Organics (C10-C28)	ND	25.0	1	1	11/13/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	11/13/24	11/19/24	
Surrogate: n-Nonane		113 %	50-200		11/13/24	11/19/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446111
Chloride	485	20.0			11/13/24	11/14/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

BH11 55' E411117-29

		L411117-23					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		: IY		Batch: 2446064
Benzene	ND	0.0250		1	11/12/24	11/18/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/18/24	
Toluene	ND	0.0250		1	11/12/24	11/18/24	
o-Xylene	ND	0.0250		1	11/12/24	11/18/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/18/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/18/24	
Surrogate: Bromofluorobenzene		98.0 %	70-130		11/12/24	11/18/24	
Surrogate: 1,2-Dichloroethane-d4		90.7 %	70-130		11/12/24	11/18/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2446064
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/18/24	
Surrogate: Bromofluorobenzene		98.0 %	70-130		11/12/24	11/18/24	
Surrogate: 1,2-Dichloroethane-d4		90.7 %	70-130		11/12/24	11/18/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2446093
Diesel Range Organics (C10-C28)	ND	25.0		1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/13/24	11/15/24	
Surrogate: n-Nonane		111 %	50-200		11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2446111
Chloride	576	20.0		1	11/13/24	11/15/24	



QC Summary Data

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/19/2024 11:18:26AM

Carlsbad NM, 88220		Project Manage	r: Aı	nna Byers				11/1	9/2024 11:18:26AN
Volatile Organic Compounds by EPA 8260B Analy									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446064-BLK1)							Prepared: 11	/12/24 Anal	yzed: 11/17/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.451		0.500		90.2	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			
LCS (2446064-BS1)							Prepared: 11	/12/24 Anal	yzed: 11/17/24
Benzene	2.31	0.0250	2.50		92.2	70-130			
Ethylbenzene	2.64	0.0250	2.50		106	70-130			
Toluene	2.54	0.0250	2.50		101	70-130			
o-Xylene	2.76	0.0250	2.50		110	70-130			
o,m-Xylene	5.58	0.0500	5.00		112	70-130			
Total Xylenes	8.34	0.0250	7.50		111	70-130			
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			
LCS Dup (2446064-BSD1)							Prepared: 11	/12/24 Anal	yzed: 11/17/24
Benzene	2.31	0.0250	2.50		92.6	70-130	0.390	23	
Ethylbenzene	2.61	0.0250	2.50		104	70-130	1.24	27	
Foluene	2.50	0.0250	2.50		100	70-130	1.31	24	
o-Xylene	2.79	0.0250	2.50		112	70-130	1.17	27	
o,m-Xylene	5.58	0.0500	5.00		112	70-130	0.0717	27	
Total Xylenes	8.37	0.0250	7.50		112	70-130	0.341	27	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			

0.500

0.523

70-130

105



Surrogate: Toluene-d8

Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

Carlsbad NM, 88220		Project Manager		nna Byers				1	1/19/2024 11:18:26AM
Volatile Organics by EPA 8021B Analyst: BA									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446063-BLK1)							Prepared: 1	1/12/24 Ar	nalyzed: 11/18/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			
LCS (2446063-BS1)							Prepared: 1	1/12/24 Ar	nalyzed: 11/18/24
Benzene	5.34	0.0250	5.00		107	70-130			
Ethylbenzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
o-Xylene	5.11	0.0250	5.00		102	70-130			
o,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.0	70-130			
LCS Dup (2446063-BSD1)							Prepared: 1	1/12/24 Ar	nalyzed: 11/18/24
Benzene	5.16	0.0250	5.00		103	70-130	3.57	20	
Ethylbenzene	4.93	0.0250	5.00		98.5	70-130	3.07	20	
Toluene	5.05	0.0250	5.00		101	70-130	3.37	20	
o-Xylene	4.93	0.0250	5.00		98.6	70-130	3.49	20	
p,m-Xylene	10.0	0.0500	10.0		100	70-130	3.02	20	
Total Xylenes	14.9	0.0250	15.0		99.6	70-130	3.17	20	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager		058-0007 nna Byers				11/	/19/2024 11:18:26AN
	Non	halogenated (Organics l	by EPA 80	15D - G	RO			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446063-BLK1)							Prepared: 1	1/12/24 Ana	llyzed: 11/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.1	70-130			
LCS (2446063-BS2)							Prepared: 1	1/12/24 Ana	lyzed: 11/18/24
Gasoline Range Organics (C6-C10)	36.3	20.0	50.0		72.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		91.9	70-130			
LCS Dup (2446063-BSD2)							Prepared: 1	1/12/24 Ana	lyzed: 11/18/24
Gasoline Range Organics (C6-C10)	43.0	20.0	50.0		86.0	70-130	16.8	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			

Analyte

QC Summary Data

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/19/2024 11:18:26AM

Non	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: IY
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446064-BLK1)							Prepared: 1	1/12/24 Anal	lyzed: 11/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.451		0.500		90.2	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			
LCS (2446064-BS2)							Prepared: 1	1/12/24 Anal	lyzed: 11/17/24
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.4	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			
LCS Dup (2446064-BSD2)							Prepared: 1	1/12/24 Anal	lyzed: 11/17/24
Gasoline Range Organics (C6-C10)	53.7	20.0	50.0		107	70-130	1.61	20	
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				11	/19/2024 11:18:26A
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: AF									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446071-BLK1)							Prepared: 1	1/12/24 An	alyzed: 11/14/24
biesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	53.4		50.0		107	50-200			
CS (2446071-BS1)							Prepared: 1	1/12/24 An	alyzed: 11/14/24
riesel Range Organics (C10-C28)	256	25.0	250		103	38-132			
urrogate: n-Nonane	54.8		50.0		110	50-200			
Matrix Spike (2446071-MS1)				Source:	E411117-1	7	Prepared: 1	1/12/24 An	alyzed: 11/14/24
viesel Range Organics (C10-C28)	271	25.0	250	ND	109	38-132			
urrogate: n-Nonane	57.0		50.0		114	50-200			
Matrix Spike Dup (2446071-MSD1)				Source:	E411117-1	7	Prepared: 1	1/12/24 An	alyzed: 11/14/24
tiesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132	4.91	20	
urrogate: n-Nonane	56.7		50.0		113	50-200			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	_
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				1:	1/19/2024 11:18:26A
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: NV									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446093-BLK1)							Prepared: 1	1/13/24 An	alyzed: 11/19/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	50.1		50.0		100	50-200			
LCS (2446093-BS1)							Prepared: 1	1/13/24 An	alyzed: 11/19/24
Diesel Range Organics (C10-C28)	242	25.0	250		96.8	38-132			
urrogate: n-Nonane	50.7		50.0		101	50-200			
Matrix Spike (2446093-MS1)				Source:	E411118-2	27	Prepared: 1	1/13/24 An	alyzed: 11/19/24
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.9	38-132			
urrogate: n-Nonane	51.1		50.0		102	50-200			
Matrix Spike Dup (2446093-MSD1)				Source:	E411118-2	27	Prepared: 1	1/13/24 An	alyzed: 11/19/24
Diesel Range Organics (C10-C28)	230	25.0	250	ND	92.0	38-132	5.12	20	
urrogate: n-Nonane	48.0		50.0		95.9	50-200			



WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

Anions	by	EPA	300	.0/9056A
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Analyst: JM	
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mg/kg mg/kg mg/kg % % % Notes	Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
		mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2446111-BLK1)				Prepared: 11/13/24 Analyzed: 11/14/24
Chloride	ND	20.0		Frepared, 11/13/24 Analyzed, 11/14/24
LCS (2446111-BS1)				Prepared: 11/13/24 Analyzed: 11/14/24
Chloride	251	20.0	250	101 90-110
LCS Dup (2446111-BSD1)				Prepared: 11/13/24 Analyzed: 11/14/24
Chloride	253	20.0	250	101 90-110 0.638 20



WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:18:26AM

Anions by EPA 300.0/9056A

	Anions by EPA 300.0/9056A													
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes					
		99			70	70	70	70	rotes					
Blank (2446124-BLK1)							Prepared: 1	1/14/24 An	alyzed: 11/14/24					
Chloride	ND	20.0												
LCS (2446124-BS1)							Prepared: 1	1/14/24 Ana	alyzed: 11/14/24					
Chloride	255	20.0	250		102	90-110								
LCS Dup (2446124-BSD1)							Prepared: 1	1/14/24 Ana	alyzed: 11/14/24					
Chloride	255	20.0	250		102	90-110	0.00157	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:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/24 11:18

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

	Page
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•	of 10
	000

	Client: W	PX Energy	v Permiar	n. LLC.		170	1	Bill To	0		100 m	7.465X	Lal	Lab Use Only TAT EPA Progra									rogram		
Project Manager: Anna Byers Address: 3300 W County Rd 100 City, State, Zip, Corlesson, Xir, 79765 Phone: 432–36415 Phone: 432–46415 Ph					hering Line	7,00	Atte	ntion: Jim Raley	<u> </u>		tah V	NO#							1D	2D			andard		SDWA
Address: 13000 W County Rd 100 [City, State, Zip; Carlsbad, NM, 88220 Phone: 432-305-6415 Email: Devon-team@etechenv.com Collected by: Edyte Konan	Project N	Aanager: /	Anna Bye	rs					a Dr.		E4	////	17	÷	110	5 X.	DOC	7			\vdash	5 1	day TAT		
Phone: 432-305-6415	Address:	13000 W	County F	₹d 100			City,	, State, Zip: Carlsbad, I	NM, 88220											•			100		RCRA
Sampled Sampled Sampled Sample	City, Stat	e, Zip_Od	essa,TX,	79765			Phor	ne: 575-885-7502			Ì	<u></u>									I		1 3	*******	· · · · · · · · · · · · · · · · · · ·
Sampled Sampled Sampled Sample	Phone: 4	32-305-6	415				Ema	il: jim.raley@dvn.com	1			801			} }									State	*
Sampled Sampled Sampled Sample	Email: De	evon-tean	n@etech	env.com			wo:	: 21255735	•		1	á								l			NM CO	UT AZ	TX
Sampled Sampled Sampled Sample							Incid	lent ID: nAB161403957	76 and nAB16	16628496		RO/ORC	<u></u>	_		Š		<u> </u>	₹						
Sampled Sampled Sampled Sample		· · · · · · · · · · · · · · · · · · ·	e Konan				<u> 11 </u>			BB (Balance)	Ę	RO/08	y 802	y 826	6010	Š.		/Ank			ıı		_×	Щ	
15:05 11.07.24 S 1 BH11 3 4'			Matr}x		Sample ID) 				L. C. 16, 375, 53 (54).	Dept	TPH G	BTEX !	δον	Metal	Chlori	ZQ.	Cation	BGDC		ODO ODO			Remarks	
15:10 11.07.24 5 1 BH11 3 4'	15:00	11.07.24	S	1	<u> </u>				T.	0.5'								×							
15:15 11.07.24 5 1 8H11 9 8'	15:05	11.07.24	s	1	<u> </u>			BH11		2	2'								x						
15:20 11.07.24 S 1 BH11	15:10	11.07.24	\$	1				BH11	:	3	4.								x						
15:25 11.07.24 S 1 8H11 10' X X 1 15:30 11.07.24 S 1 8H11 7 12' X X 1 15:35 11.07.24 S 1 8H11 7 14' X X 1 15:40 11.07.24 S 1 8H11 7 16' X X 1 15:45 11.07.24 S 1 8H11 7 16' X X 1 15:45 11.07.24 S 1 8H11 7 16' X X 1 15:45 11.07.24 S 1 8H11 7 16' X X 1 15:45 11.07.24 S 1 8H11 7 16' X X 1 15:45 11.07.24 S 1 8H11 7 16' X X 1 15:45 11.07.24 S 1 8H11 7 16' X X 1 15:45 11.07.24 S 1 8H11 7 18' X X 1 15:45 11.07.24 S 1 18' X X 1 18' X X 1 15:45 11.07.24 S 1 18' X X X X X 1 18' X X X X X X X X X X X X X X X X X X X	15:15	11.07.24	s	1				BH11		Y	6'								×						
15:30 11.07.24 S 1 BH11 7.14 X X 1 15:35 11.07.24 S 1 BH11 7.14 X X 1 15:40 11.07.24 S 1 BH11 7.14 X X 1 15:40 11.07.24 S 1 BH11 7.16 X X 1 15:45 11.07.24 S 1	15:20	11.07.24	S	1				BH11		B	8'								x						
15:30 11.07.24 S 1 BH11 7.14 X X 1 15:35 11.07.24 S 1 BH11 7.14 X X 1 15:40 11.07.24 S 1 BH11 7.14 X X 1 15:40 11.07.24 S 1 BH11 7.16 X X 1 15:45 11.07.24 S 1	15:25	11,07.24	s	1				8H11		to	10'								х						
15:40 11.07.24 S 1 BH11 9 16' X 15:45 11.07.24 S 1 BH11 10 18' X Additional Instructions: I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tempering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Ex Perinquished by: (Signature) Date Time Perceived by: (Signature) Date Time Received on ice the day they are sampled or received in ice at an avg temp above 0 but less than 6°C on subsequent days. Received by: (Signature) Date Time Received by: (Signature) Date Time Received by: (Signature) Date Time Received on ice the day they are sampled or received in ice at an avg temp above 0 but less than 6°C on subsequent days. Received by: (Signature) Date Time Tim	15:30	11.07.24	s	1				8H11		7	12'								х						
15:45 11.07.24 S 1 BH11 /0 18' 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. Relinquished by: [Signature] Date Date Time Received by: [Signature] Date Time Received by: [Signature] Date Time Received on ice the day they are sampled or received on ice the day they are sampled or received 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 Received on ice: 0 N Received on ice: 0 N Received on ice: 0 N	15:35	11.07.24	s	1		<u> </u>		8H11		7	14'								х				1		
Additional Instructions: I, (field sampler), attest to the validity and authenticity of this sample. Lam 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. Relinquished by: (Signature) Date Time Received by: (Signature) Part Date Time Received by: (Signature) Date Time Date Time Date Time Date Time Date 15:40	11.07.24	ş	1				8H11		9	16'								×							
I, (field sampler), attest to the validity and authenticity of this sample. Lam 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. Relinquished by: [Signature] Part	15:45	11.07.24	s	1				BH11	-	10	18'								x						
date or time of collection is considered fraud and may be grounds for legal action. Sampled by: EX Relinquished by: [Signature] Party U/1/24 ZO:00 Received by: [Signature] Date U/1/24 ZO:00 Received by: [Signature] Date Time Date Time Date Time Date Addition	ai Instruc	tions:		•						•									•			<u>*</u>			
Refinalished by (Signature) Oate Time Received by: (Signature) Oate Time (1) 12 24 17(10) 55										g the sample	location,	,													id or received
Refinalished by (Signature) Oate Time Received by: (Signature) Oate Time (1) 12 24 17(10) 55	Relinguishe	ed by: (Signa	iture)	Date (1)	11/24	Time 20:	as	Received by: (Signature)	nealec	Date	24	Time) SC	<u> </u>	Rece	lved	on ic	e:	/	ab U	e On	l y			
Relinguished by (Signature) Date Time Received by (Signature) Date Time	Reimquish	ed byg (Signa	nure)	les 11-	17:77	Time	0	Received by: (Signature)	9	Cate		Time		0	T1	100			レ T2			经验	13		
1 Ldw St. 11.12.24 2400 (Buth Mar 112.24 9:45 AVGTEMP °C 4	Relingular	ed by:(Signa	M.	Date			00	Received by Signature)	ia	1412.	24	9:	45		3.5										
Sample Matrix: S - Soll, 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.																		dien	t exp	ense.	The re	eport	for the anal	ysis of the	above



Project Information

Chain of	Custody
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Page __2__ of __3_

Client: WPX Energy Permian, LLC. Bill To Eab Use Only												TAT				EPA P	rogram									
Project: Eas	t Pecos 22-	3 Produced	Water Gat	hering Line	() its			lim Raley						Lab WO#			Job Number			1D	2D				ÇWA	SDWA
Project N	ianager: A	ппа Вуег	'S						na Vista Dr.			F4,		7	A	0/058-6		<u>·00</u>	<u> </u>				5 d	ay TAT		
Address:	13000 W	County R	d 100			City,	State,	Zip: Carl	sbad, NM, 88	8220						Analys	is an	d Mei	thod							RCRA
City, Stat	e, Zip_Od	essa,TX, 7	79765			Pho	ne: 575	-885-750	02				5	.									Ŀ			
	32-305-64					Ema	il: Jim.r	aley@dv	n.com				801					ŀ							State	
Email: De	von-team	@eteche	nv.com			WO	21255	735					ya						ļ					NM CO	UT AZ	TX
					1788	Incid	dent ID:	nAB1614	4039576 and r	nAB16166	28496		ğ						- 1		:	1				
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	by: Edyte	Konan		r						Tev., V		₹ :	Į.	× ×	γ B2	99	e e		₹			1 I	-	×		oxdot
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID						1 1 1 1 1 1	Lab Imber	Cepth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 802	VOC by 8260	Metals 6010	Chloride 300.0	é	Cation/ Anion	BGDOC		2009			Remarks	
15:50	11.07.24	S	1				BH11	Ĺ			11	20'								X						
15:55	11.07.24	S	1				ВН11			1.	2	22'								x		Ш				
16:00	11.07.24	5	1				BH11	1			<u>3</u>	24'								x						
16:05	11.07.24	S	1				BH11			1	4	26'								x						
16:10	11.07.24	5	1				BH11			T.	5	28'								x						
16:15	11.07.24	\$	1				BH11	l		1	10	30'								×						
16:20	11.07.24	S	1				BH11				7	32'								×						}
16:25	11.07.24	s	1				BH11			23	?	34'								x						
16:30	11.07.24	S	1				BH11			19		36'								×						
16:35	11.07.24	s	1				BH11			Ó	70	38'								x						
Addition	al Instruc	ions:			-																					
			fraud and m	nay be grounds	s for legal a	ction.		Sample	Intentionally misi d by: EK		sample (ocation,		,			-	_	-					be the day the beginning the control of the control		ed or received
date or time of collection is considered fraud and may be grounds for legal action. Reflinquished by: (Signature) Date IIIIII Ime Received by: (Signature) Date IIIII Date IIIIII Date IIIII Date IIIIII Date IIIII Date IIIIII Date IIIII Date Date																										
Refinguishe	d by (Signa	wre) jorga	les II-	12-27	17me	o	Received	by: Sign	ature) 🧷 🗋	` " Date	·/2·	u	Time	140	2									13		
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Sample Matr	lx: S - Soll, Sd	- Solid, Sg - S		ueous, O - Ot					7.1-	Con	tainer	Type: r	g - gla	55, p	- poly						v-V	OA	· · · · · · · · · · · · · · · · · · ·			
Note: Samp	les are disc	rded 30 da	sys after re	sults are repo	orted un!	ess oth	er arrang	ements ar	e made. Hazar														eport f	or the anal	ysis of the	above
samples is a	epplicable o	nly to those	samples o	eceived by th	ne laborat	ory wit	h this CO	C. The liab	nility of the labo	oratory is lie	mited to	the ar	nount	paid f	for on	the re	gort.									



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Project Information

Client: W	PX Energy	y Permiai	n, LLC.				Value.	Lab	o Us	e Onl	٧					TA	ıT	EPA P	rogram	
				hering Line	Attention: Jim Raley		Lab V	VO#			Job 1	_	ber		1D	2D	3D	Standard	CWA	SDWA
Project N	lanager: A	Anna Bye	rs		Address: 5315 Buena Vista Dr.		E4	1111	17		010	28.	000					5 day TAT		
Address:	13000 W	County F	Rd 100		City, State, Zip: Carlsbad, NM,	88220					Analys									RCRA
City, Stat	e, Zip_Od	essa,TX,	79765		Phone: 575-885-7502			2												
	32-305-64				Email: jim.raley@dvn.com			801											State	
Email: De	von-team	n@etech	env.com		WO: 21255735			yd C										NM CO	UT AZ	TX
					Incident ID: nAB1614039576 and	d nAB1616628496		J/ORG				0			5					
Collected	by: Edyte	e Konan						J/DR(8021	8260	010	300.		Anion	N		¥			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	Depth(ft.	TPH GRO/DRO/ORO by 8015	BTEX by 802.	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/	верос		GDOC		Remarks	
16:40	11.07.24	S	1		BH11	21	40'								х					
16:45	11.07.24	S	1		BH11	22	42'								х					
16:50	11.07.24	S	1		BH11	23	44'								х					
16:55	11.07.24	S	1		BH11	24	46'								х					
17:00	11.07.24	S	1		BH11	25	48'								х					
17:05	11.07.24	S	1		BH11	26	50'								х					
17:10	11.07.24	S	1		BH11	27	52'								х					
17:15	11.07.24	S	1		BH11	28	54'			-					х					
17:20	11.07.24	S	1		BH11	29	55'								х					
Addition	al Instruc	tions:																		
				city of this sample. I am	n aware that tampering with or intentionally m I action. Sampled by: EK	nislabelling the sample I	ocation				Married Standard		C. 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10					eived on ice the day t °C on subsequent da		d or received
Relinquish	ed by: (Signa		Date	11/24 Time 20	Received by: (Signature)	alec 11-11-2	4	Time	GOX		Rece	ived	on ic	e:	LE	1	e Onl	ly		
Relinquishe	ed by: (Signa	ture)		12-14 Time	Received by: (Signature)	Date		Time	140		T1			ë	T2			T3		
	ed by: (Signa		Date	12.24 24	Received by: (Signature)	~ 1.12.2	24	Time 9	45	_	AVG	Tem	np °C	4				,,,		
ample Mati	ix: S - Soil, Sd	- Solid, Sg -	Sludge, A - A	queous, O - Other		Container	Type:	g - gla	ss, p -					iber (glass,	v - V	OA			
					nless other arrangements are made. Haz													port for the ana	lysis 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

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:	11/12/24	09:45		Work Order ID:	E411117
Phone:	(575) 200-6754	Date Logged In:	11/12/24	10:59		Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	11/18/24	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mat	ch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	currer. <u>ee</u>	<u> </u>		
	Il samples received within holding time?	•	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic			_		Comment	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C	*	temperature. 1	<u> </u>				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?)	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lat		iers conected:	105				
•	field sample labels filled out with the minimum info	rmation:					
	ample ID?	imation.	Yes				
	ate/Time Collected?		No	L			
C	ollectors name?		No				
Sample P	reservation_						
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	imple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphase	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA				
	act Laboratory						
	act <u>Laboratory</u> Imples required to get sent to a subcontract laborator	ru?	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab:	NI A		
		so who:	INA	Subcontract Lab:	NA		
Client Ir	<u>struction</u>						

Date

Report to:
Anna Byers







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: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E411118

Job Number: 01058-0007

Received: 11/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/19/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 11/19/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411118

Date Received: 11/12/2024 9:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/12/2024 9:45:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line 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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whinchman@envirotech-inc.com

Raina Schwanz

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Sample Summary

WPX Energy - CarlsbadProject Name:East Pecos 22-3 Produced Water Gathering Line5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Anna Byers11/19/24 11:13

BHI2 0.5' E411118-01A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI2 2' E411118-02A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI2 4' E411118-03A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 6' E411118-04A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 8' E411118-05A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 10' E411118-05A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 12' E411118-07A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 16' E411118-08A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 18' E411118-09A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 20' E411118-10A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 22' E411118-13A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 28' <t< th=""><th></th></t<>	
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BH12 18' E411118-10A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 20' E411118-11A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 22' E411118-12A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 24' E411118-13A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 26' E411118-14A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 28' E411118-15A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 30' E411118-16A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 32' E411118-17A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 34' E411118-18A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 36' E411118-19A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	
BH12 20' E411118-11A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 22' E411118-12A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 24' E411118-13A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 26' E411118-14A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 38' E411118-15A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 32' E411118-16A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 34' E411118-18A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 36' E411118-19A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	
BH12 22' E411118-12A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 24' E411118-13A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 26' E411118-14A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 28' E411118-15A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 30' E411118-16A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 32' E411118-17A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 34' E411118-18A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 36' E411118-19A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	
BH12 24' E411118-13A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 26' E411118-14A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 28' E411118-15A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 30' E411118-16A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 32' E411118-17A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 34' E411118-18A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 36' E411118-19A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	
BH12 26' E411118-14A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 28' E411118-15A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 30' E411118-16A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 32' E411118-17A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 34' E411118-18A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 36' E411118-19A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	
BH12 28' E411118-15A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 30' E411118-16A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 32' E411118-17A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 34' E411118-18A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 36' E411118-19A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	
BH12 30' E411118-16A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 32' E411118-17A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 34' E411118-18A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 36' E411118-19A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	
BH12 32' E411118-17A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 34' E411118-18A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 36' E411118-19A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	
BH12 34' E411118-18A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH12 36' E411118-19A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	
BH12 36' E411118-19A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	
BH12 38' E411118-20A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	
BH12 40' E411118-21A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	
BH12 42' E411118-22A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	
BH12 44' E411118-23A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	
BH12 46' E411118-24A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	
BH12 48' E411118-25A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	
BH12 50' E411118-26A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	
BH12 52' E411118-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	
BH12 54' E411118-28A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	
BH12 55' E411118-29A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 0.5' E411118-01

2 1								
Reporting								
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446065	
Benzene	ND	0.0250		1	11/12/24	11/17/24		
Ethylbenzene	ND	0.0250		1	11/12/24	11/17/24		
Toluene	ND	0.0250		1	11/12/24	11/17/24		
o-Xylene	ND	0.0250		1	11/12/24	11/17/24		
p,m-Xylene	ND	0.0500		1	11/12/24	11/17/24		
Total Xylenes	ND	0.0250		1	11/12/24	11/17/24		
Surrogate: Bromofluorobenzene		106 %	70-130		11/12/24	11/17/24		
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		11/12/24	11/17/24		
Surrogate: Toluene-d8		106 %	70-130		11/12/24	11/17/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analys		Analyst:	IY	Batch: 2446065		
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/17/24		
Surrogate: Bromofluorobenzene		106 %	70-130		11/12/24	11/17/24		
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		11/12/24	11/17/24		
Surrogate: Toluene-d8		106 %	70-130		11/12/24	11/17/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2446072	
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/16/24		
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/16/24		
Surrogate: n-Nonane		79.4 %	50-200		11/12/24	11/16/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446109	
Chloride	378	100		5	11/14/24	11/15/24		



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 2' E411118-02

		2111110 02					
Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2446065
Benzene	ND	0.0250		1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/17/24	
Toluene	ND	0.0250		1	11/12/24	11/17/24	
o-Xylene	ND	0.0250		1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		104 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		107 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2446065
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		104 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		107 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: NV		Batch: 2446072
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/16/24	
Surrogate: n-Nonane		100 %	50-200		11/12/24	11/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: JM		Batch: 2446109
Chloride	505	200	_	10	11/14/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 4' E411118-03

		2111110 00					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst		, 4	Batch: 2446065
Benzene	ND	0.0250		1	11/12/24	11/17/24	Batem 2 : 10000
Ethylbenzene	ND	0.0250		1	11/12/24	11/17/24	
Toluene	ND	0.0250		1	11/12/24	11/17/24	
o-Xylene	ND	0.0250		1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		106 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		107 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2446065
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		106 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		107 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2446072
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/16/24	
Surrogate: n-Nonane		102 %	50-200		11/12/24	11/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2446109
Chloride	528	200		10	11/14/24	11/15/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 6' E411118-04

Reporting								
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2446065		
Benzene	ND	0.0250	1	11/12/24	11/17/24			
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24			
Toluene	ND	0.0250	1	11/12/24	11/17/24			
o-Xylene	ND	0.0250	1	11/12/24	11/17/24			
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24			
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24			
Surrogate: Bromofluorobenzene		106 %	70-130	11/12/24	11/17/24			
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	11/12/24	11/12/24 11/17/24			
Surrogate: Toluene-d8		106 %	70-130	11/12/24	11/17/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2446065		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24			
Surrogate: Bromofluorobenzene		106 %	70-130	11/12/24	11/17/24			
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	11/12/24	11/17/24			
Surrogate: Toluene-d8		106 %	70-130	11/12/24	11/17/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2446072		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/16/24	_		
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/16/24			
Surrogate: n-Nonane		97.3 %	50-200	11/12/24	11/16/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: JM		Batch: 2446109		
Chloride	546	200	10	11/14/24	11/15/24			

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 8' E411118-05

Result	Reporting	Dilution	n Prepared	Analyzed	Notes
IXCSUIT		Dilution	i repared	Anaryzed	Notes
mg/kg	mg/kg	Ana	alyst: IY		Batch: 2446065
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
ND	0.0500	1	11/12/24	11/17/24	
ND	0.0250	1	11/12/24	11/17/24	
	105 %	70-130	11/12/24	11/17/24	
	99.2 %	70-130	11/12/24	11/17/24	
	105 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Ana	alyst: IY		Batch: 2446065
ND	20.0	1	11/12/24	11/17/24	
	105 %	70-130	11/12/24	11/17/24	
	99.2 %	70-130	11/12/24	11/17/24	
	105 %	70-130	11/12/24	11/17/24	
mg/kg	mg/kg	Ana	alyst: NV		Batch: 2446072
ND	25.0	1	11/12/24	11/16/24	
ND	50.0	1	11/12/24	11/16/24	
	99.4 %	50-200	11/12/24	11/16/24	
mg/kg	mg/kg	Ana	alyst: JM		Batch: 2446109
mg/kg	mg/kg				Butch: 2 1 10107
	ND N	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 I05 % 99.2 % I05 % 99.2 %	Result Limit Dilution mg/kg mg/kg Am ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 70-130 99.2 % 70-130 70-130 70-130 mg/kg mg/kg Am ND 20.0 1 105 % 70-130 70-130 mg/kg mg/kg Am ND 25.0 1 ND 50.0 1 99.4 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 99.2 % 70-130 11/12/24 99.2 % 70-130 11/12/24 105 % 70-130 11/12/24 99.2 % 70-130 11/12/24 99.2 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 ND 25.0	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY Image: Information of the property of the pr



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 10' E411118-06

		2111110 00					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Allalytt	Kesun	Lillit	Dii		•	Allalyzed	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446065
Benzene	ND	0.0250		1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/17/24	
Toluene	ND	0.0250		1	11/12/24	11/17/24	
o-Xylene	ND	0.0250		1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		105 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446065
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		105 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446072
Diesel Range Organics (C10-C28)	ND	25.0	•	1	11/12/24	11/16/24	_
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/16/24	
Surrogate: n-Nonane		99.9 %	50-200		11/12/24	11/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446109
Chloride	80.7	20.0		1	11/14/24	11/15/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 12' E411118-07

Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Dilu	tion	rrepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY	7		Batch: 2446065
Benzene	ND	0.0250	1		11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1		11/12/24	11/17/24	
Toluene	ND	0.0250	1		11/12/24	11/17/24	
o-Xylene	ND	0.0250	1		11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1		11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1		11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		106 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY	•		Batch: 2446065
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		106 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: N	V		Batch: 2446072
Diesel Range Organics (C10-C28)	ND	25.0	1		11/12/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1		11/12/24	11/16/24	
Surrogate: n-Nonane		95.1 %	50-200		11/12/24	11/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM	1		Batch: 2446109
Chloride	82.2	20.0	1		11/14/24	11/15/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 14' E411118-08

Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Anaryte	Resuit	Limit	Dilu	поп	rrepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: I\	7		Batch: 2446065
Benzene	ND	0.0250	1		11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1		11/12/24	11/17/24	
Toluene	ND	0.0250	1		11/12/24	11/17/24	
o-Xylene	ND	0.0250	1		11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1		11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1		11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		106 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		106 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY	7		Batch: 2446065
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		106 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		106 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: N	V		Batch: 2446072
Diesel Range Organics (C10-C28)	ND	25.0	1		11/12/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1		11/12/24	11/16/24	
Surrogate: n-Nonane		100 %	50-200		11/12/24	11/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JN	М		Batch: 2446109
· · · · · · · · · · · · · · · · · · ·	75.6				11/14/24	11/15/24	•

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 16' E411118-09

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2446065
Benzene	ND	0.0250	1		11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1		11/12/24	11/17/24	
Toluene	ND	0.0250	1		11/12/24	11/17/24	
o-Xylene	ND	0.0250	1		11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1		11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1		11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		106 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2446065
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		106 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV			Batch: 2446072
Diesel Range Organics (C10-C28)	ND	25.0	1	•	11/12/24	11/16/24	_
Oil Range Organics (C28-C36)	ND	50.0	1		11/12/24	11/16/24	
Surrogate: n-Nonane		97.0 %	50-200		11/12/24	11/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JM			Batch: 2446109
Chloride	64.7	20.0	1		11/14/24	11/15/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 18' E411118-10

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: l	IY		Batch: 2446065
Benzene	ND	0.0250	1	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		106 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		105 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: l	IY		Batch: 2446065
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		106 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		105 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	<u> </u>	Analyst: 1	NV		Batch: 2446072
Diesel Range Organics (C10-C28)	ND	25.0	1	1	11/12/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	11/12/24	11/16/24	
Surrogate: n-Nonane		102 %	50-200		11/12/24	11/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: J	JM		Batch: 2446109
Chloride	72.3	20.0	1	1	11/14/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 20' E411118-11

		2					
Applieto	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dill	uuon	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2446065
Benzene	ND	0.0250		1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/17/24	
Toluene	ND	0.0250		1	11/12/24	11/17/24	
o-Xylene	ND	0.0250		1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		107 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		105 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446065
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		107 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		105 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446072
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	:	1	11/12/24	11/16/24	
Surrogate: n-Nonane		100 %	50-200		11/12/24	11/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446109
Chloride	72.8	20.0		1	11/14/24	11/15/24	
Cinoriac	/ 2.0	20.0					



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 22'

	E411118-12							
Reporting								
Result	Limit	Diluti	ion Prepared	Analyzed	Notes			
mg/kg	mg/kg	A	analyst: IY		Batch: 2446065			
ND	0.0250	1	11/12/24	11/17/24				
ND	0.0250	1	11/12/24	11/17/24				
ND	0.0250	1	11/12/24	11/17/24				
ND	0.0250	1	11/12/24	11/17/24				
ND	0.0500	1	11/12/24	11/17/24				
ND	0.0250	1	11/12/24	11/17/24				
	107 %	70-130	11/12/24	11/17/24				
	96.8 %	70-130	11/12/24	11/17/24				
	105 %	70-130	11/12/24	11/17/24				
mg/kg	mg/kg	A	analyst: IY		Batch: 2446065			
ND	20.0	1	11/12/24	11/17/24				
	107 %	70-130	11/12/24	11/17/24				
	96.8 %	70-130	11/12/24	11/17/24				
	105 %	70-130	11/12/24	11/17/24				
mg/kg	mg/kg	A	analyst: NV		Batch: 2446072			
ND	25.0	1	11/12/24	11/16/24				
ND	50.0	1	11/12/24	11/16/24				
	97.5 %	50-200	11/12/24	11/16/24				
					2446100			
mg/kg	mg/kg	A	Analyst: JM		Batch: 2446109			
	mg/kg ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 And 0.0500 ND 0.0250 I 107 % 96.8 % 105 % mg/kg ND 20.0 107 % 96.8 % 105 % mg/kg ND 25.0 ND 25.0 ND 50.0	Reporting Result Limit Dilution mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 107 % 70-130 70-130 96.8 % 70-130 70-130 mg/kg mg/kg A ND 20.0 1 107 % 70-130 70-130 mg/kg mg/kg A ND 25.0 1 ND 50.0 1 97.5 % 50-200	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 96.8 % 70-130 11/12/24 105 % 70-130 11/12/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/12/24 96.8 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 ND 50.0 1 11/12/24	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 107 % 70-130 11/12/24 11/17/24 105 % 70-130 11/12/24 11/17/24 mg/kg mg/kg Analyst: IY ND 20.0 1 11/12/24 11/17/24 105 % 70-130 11/12/24 11/17/24 105 % 70-130 11/12/24 11/17/24 105 % 70-130 11/12/24 11/17/24 mg/kg mg/kg Analyst: NV ND			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 24' E411118-13

Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Anaryte	Resuit	Limit	Dilu	поп	rrepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY	7		Batch: 2446065
Benzene	ND	0.0250	1		11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1		11/12/24	11/17/24	
Toluene	ND	0.0250	1		11/12/24	11/17/24	
o-Xylene	ND	0.0250	1		11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1		11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1		11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		108 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY	7		Batch: 2446065
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		108 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: N	V		Batch: 2446072
Diesel Range Organics (C10-C28)	ND	25.0	1		11/12/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1		11/12/24	11/16/24	
Surrogate: n-Nonane		105 %	50-200		11/12/24	11/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JN	И		Batch: 2446109
Chloride	70.7	20.0	1		11/14/24	11/15/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 26' E411118-14

Reporting	;				
	Dil	ution	Prepared	Analyzed	Notes
Limit	Dill	шиоп	rrepared	Analyzed	notes
g mg/kg		Analyst:	IY		Batch: 2446065
0.0250		1	11/12/24	11/17/24	
0.0250		1	11/12/24	11/17/24	
0.0250		1	11/12/24	11/17/24	
0.0250		1	11/12/24	11/17/24	
0.0500		1	11/12/24	11/17/24	
0.0250		1	11/12/24	11/17/24	
105 %	70-130		11/12/24	11/17/24	
98.2 %	70-130		11/12/24	11/17/24	
106 %	70-130		11/12/24	11/17/24	
g mg/kg		Analyst:	IY		Batch: 2446065
20.0		1	11/12/24	11/17/24	
105 %	70-130		11/12/24	11/17/24	
98.2 %	70-130		11/12/24	11/17/24	
106 %	70-130		11/12/24	11/17/24	
g mg/kg		Analyst:	NV		Batch: 2446072
25.0	-	1	11/12/24	11/16/24	-
50.0		1	11/12/24	11/16/24	
95.3 %	50-200		11/12/24	11/16/24	
g mg/kg		Analyst: .	JM		Batch: 2446109
20.0		1	11/14/24	11/15/24	
	g mg/kg 0.0250 0.0250 0.0250 0.0250 0.0500 0.0250 105 % 98.2 % 106 % 20.0 105 % 98.2 % 106 % 25.0 50.0 95.3 % g mg/kg	mg/kg	mg/kg Analyst:	Marke	Marke



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 28' E411118-15

D14	Reporting	Dil		D	A l J	Notes
Resuit	Limit	Dil	ution	Prepared	Anaiyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2446065
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0500		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
	106 %	70-130		11/12/24	11/17/24	
	98.6 %	70-130		11/12/24	11/17/24	
	105 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2446065
ND	20.0		1	11/12/24	11/17/24	
	106 %	70-130		11/12/24	11/17/24	
	98.6 %	70-130		11/12/24	11/17/24	
	105 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg		Analyst:	NV		Batch: 2446072
ND	25.0		1	11/12/24	11/16/24	
ND	50.0		1	11/12/24	11/16/24	
	99.2 %	50-200	·	11/12/24	11/16/24	
mg/kg	mg/kg		Analyst:	JM		Batch: 2446109
69.4	20.0		1	11/14/24	11/15/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 IO6 % 98.6 % IO5 % mg/kg ND 20.0 IO6 % 98.6 % IO5 % mg/kg Mg/kg mg/kg ND 25.0 ND 50.0 99.2 % mg/kg mg/kg mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 ID 70-130 98.6 % 70-130 105 % 70-130 mg/kg mg/kg ND 20.0 106 % 70-130 98.6 % 70-130 105 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 99.2 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 106% 70-130 70-130 mg/kg mg/kg Analyst: ND 20.0 1 106% 70-130 1 98.6% 70-130 1 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 99.2% 50-200 mg/kg Mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 70-130 11/12/24 98.6 % 70-130 11/12/24 105 % 70-130 11/12/24 MD 20.0 1 11/12/24 98.6 % 70-130 11/12/24 98.6 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 ND 25.0 1<	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 98.6 % 70-130 11/12/24 11/17/24 105 % 70-130 11/12/24 11/17/24 106 % 70-130 11/12/24 11/17/24 106 % 70-130 11/12/24 11/17/24 105 % 70-130 11/12/24 11/17/24 105 % 70-130 11/12/24 11/17/24 105



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 30' E411118-16

		2111110 10					
Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2446065
Benzene	ND	0.0250		1	11/12/24	11/17/24	Batem 2 : 10005
Ethylbenzene	ND	0.0250		1	11/12/24	11/17/24	
Toluene	ND	0.0250		1	11/12/24	11/17/24	
o-Xylene	ND	0.0250		1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		106 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2446065
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		105 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		106 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2446072
Diesel Range Organics (C10-C28)	ND	25.0		1	11/12/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/12/24	11/16/24	
Surrogate: n-Nonane		99.2 %	50-200		11/12/24	11/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2446109
Chloride	72.8	20.0		1	11/14/24	11/15/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 32' E411118-17

- I	Reporting					N.
Kesult	Limit	Dil	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst: IY			Batch: 2446065
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0500		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
	106 %	70-130		11/12/24	11/17/24	
	96.7 %	70-130		11/12/24	11/17/24	
	106 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2446065
ND	20.0		1	11/12/24	11/17/24	
	106 %	70-130		11/12/24	11/17/24	
	96.7 %	70-130		11/12/24	11/17/24	
	106 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg		Analyst: NV			Batch: 2446072
ND	25.0		1	11/12/24	11/16/24	
ND	50.0		1	11/12/24	11/16/24	
	101 %	50-200		11/12/24	11/16/24	
mg/kg	mg/kg		Analyst:	JM		Batch: 2446109
72.2	20.0		1	11/14/24	11/15/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 IO6 % 96.7 % IO6 % 96.7 % IO6 % 96.7 % IO6 % 106 % mg/kg mg/kg ND 25.0 ND 50.0 IO1 % mg/kg mg/kg mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 IO6 % 70-130 96.7 % 70-130 IO6 % 70-130 mg/kg mg/kg ND 20.0 IO6 % 70-130 IO6 % 70-130	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 106% 70-130 70-130 mg/kg mg/kg Analyst: ND 20.0 1 106% 70-130 1 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 101% 50-200 mg/kg Mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 70-130 11/12/24 96.7 % 70-130 11/12/24 106 % 70-130 11/12/24 MD 20.0 1 11/12/24 96.7 % 70-130 11/12/24 96.7 % 70-130 11/12/24 106 % 70-130 11/12/24 106 % 70-130 11/12/24 106 % 70-130 11/12/24 106 % 70-130 11/12/24 106 % 70-130 11/12/24 106 % 70-130 11/12/24 106 % 70-130 <	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 96.7 % 70-130 11/12/24 11/17/24 106 % 70-130 11/12/24 11/17/24 106 % 70-130 11/12/24 11/17/24 106 % 70-130 11/12/24 11/17/24 106 % 70-130 11/12/24 11/17/24 106 % 70-130 11/12/24 11/17/24 106



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 34' E411118-18

E411110-10						
D14	Reporting	D.I.		D	A	N
Resuit	Limit	Dil	unon	Prepared	Anaiyzed	Notes
mg/kg	mg/kg		Analyst: IY			Batch: 2446065
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0500		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
	106 %	70-130		11/12/24	11/17/24	
	96.2 %	70-130		11/12/24	11/17/24	
	105 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg		Analyst:	: IY		Batch: 2446065
ND	20.0		1	11/12/24	11/17/24	
	106 %	70-130		11/12/24	11/17/24	
	96.2 %	70-130		11/12/24	11/17/24	
	105 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg		Analyst: NV			Batch: 2446072
ND	25.0	_	1	11/12/24	11/16/24	
ND	50.0		1	11/12/24	11/16/24	
	104 %	50-200		11/12/24	11/16/24	
mg/kg	mg/kg		Analyst	: JM		Batch: 2446109
73.8	20.0		1	11/14/24	11/15/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 I06 % 96.2 % I05 % mg/kg ND 20.0 I06 % 96.2 % I05 % mg/kg Mg/kg mg/kg ND 25.0 ND 50.0 I04 % mg/kg mg/kg mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 ID6 % 70-130 96.2 % 70-130 ID5 % 70-130 mg/kg mg/kg ND 20.0 ID6 % 70-130 y6.2 % 70-130 ID5 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 ID4 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 70-130 1 96.2 % 70-130 70-130 mg/kg mg/kg Analyst ND 20.0 1 106 % 70-130 70-130 mg/kg mg/kg Analyst ND 25.0 1 ND 50.0 1 104 % 50-200 mg/kg Mg/kg Analyst	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 70-130 11/12/24 96.2 % 70-130 11/12/24 105 % 70-130 11/12/24 MD 20.0 1 11/12/24 96.2 % 70-130 11/12/24 96.2 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 105 % 70-130 11/12/24 ND 25.0 1 11/12/24 ND 50.0	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 70-130 11/12/24 11/17/24 11/17/24 106 % 70-130 11/12/24 11/17/24 11/17/24 mg/kg mg/kg Analyst: IV 11/12/24 11/17/24 nD 20.0 1 11/12/24 11/17/24 ng/kg mg/kg Analyst: IV 11/12/24 11/17/24 ng/kg mg/kg Analyst: IV 11/12/24 11/16/24



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 36' E411118-19

Analyte	Result	Reporting Limit	Dilu	tion	Duomonod	Analyzed	Notes
Analyte	Result	Limit	Dilu	шоп	Prepared	Anaiyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2446065
Benzene	ND	0.0250	1	l	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	l	11/12/24	11/17/24	
Toluene	ND	0.0250	1	l	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	l	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	l	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	l	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		106 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2446065
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		106 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: NV			Batch: 2446072
Diesel Range Organics (C10-C28)	ND	25.0	1		11/12/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	11/12/24	11/16/24	
Surrogate: n-Nonane		99.2 %	50-200		11/12/24	11/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM			Batch: 2446109
Chloride	82.1	20.0	1		11/14/24	11/15/24	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 38' E411118-20

Dl4			4:	D	A	N
Kesult	Limit	Dili	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2446065
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0500		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
	106 %	70-130		11/12/24	11/17/24	
	94.0 %	70-130		11/12/24	11/17/24	
	106 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2446065
ND	20.0		1	11/12/24	11/17/24	
	106 %	70-130		11/12/24	11/17/24	
	94.0 %	70-130		11/12/24	11/17/24	
	106 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg		Analyst	NV		Batch: 2446072
ND	25.0		1	11/12/24	11/16/24	
ND	50.0		1	11/12/24	11/16/24	
	99.3 %	50-200		11/12/24	11/16/24	
mg/kg	mg/kg		Analyst:	JM		Batch: 2446109
80.7	20.0		1	11/14/24	11/15/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ID6 % 94.0 % I06 % 106 % 94.0 % 106 % 94.0 % 106 % ID6 % 94.0 % ID6 % 95.0 Mg/kg Mg/kg ND 25.0 ND 50.0 99.3 % mg/kg mg/kg mg/kg	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 I06 % 70-130 94.0 % 70-130 I06 % 70-130 mg/kg mg/kg ND 20.0 I06 % 70-130 106 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 99.3 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 ND 70-130 1 94.0 % 70-130 70-130 mg/kg mg/kg Analyst: ND 20.0 1 106 % 70-130 70-130 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 99.3 % 50-200 mg/kg Mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 94.0 % 70-130 11/12/24 94.0 % 70-130 11/12/24 106 % 70-130 11/12/24 MD 20.0 1 11/12/24 94.0 % 70-130 11/12/24 94.0 % 70-130 11/12/24 106 % 70-130 11/12/24 106 % 70-130 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/12/24 ND 50.0 1 11/12/24 Mg/kg mg/kg Analyst: NV	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 70-130 11/12/24 11/17/24 106 % 70-130 11/12/24 11/17/24 mg/kg mg/kg Analyst: IV 11/12/24 11/17/24 MD 20.0 1 11/12/24 11/17/24 MB/kg mg/kg Analyst: NV ND 11/12/24 11/17/24 MD 25.0 1 11/12/24 11/16/24 ND 50.0



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 40' E411118-21

		2.11110 21					
Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Di	TULION	rrepared	Allalyzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2446064
Benzene	ND	0.0250		1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/17/24	
Toluene	ND	0.0250		1	11/12/24	11/17/24	
o-Xylene	ND	0.0250		1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		100 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2446064		
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		100 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2446093
Diesel Range Organics (C10-C28)	ND	25.0		1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/13/24	11/15/24	
Surrogate: n-Nonane		101 %	50-200		11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2446143
Chloride	58.8	20.0		1	11/15/24	11/15/24	<u> </u>
Chloride	58.8	20.0		1	11/15/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 42'

		E411118-22				
		Reporting				
Analyte	Result	Limit	Dilut	tion Prepare	d Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY		Batch: 2446064
Benzene	ND	0.0250	1	11/12/2	4 11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	4 11/17/24	
Toluene	ND	0.0250	1	11/12/24	4 11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	4 11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	4 11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	4 11/17/24	
Surrogate: Bromofluorobenzene		97.5 %	70-130	11/12/2	4 11/17/24	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130	11/12/2	4 11/17/24	
Surrogate: Toluene-d8		103 %	70-130	11/12/2	4 11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2446064
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	4 11/17/24	
Surrogate: Bromofluorobenzene		97.5 %	70-130	11/12/2	4 11/17/24	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130	11/12/2	4 11/17/24	
Surrogate: Toluene-d8		103 %	70-130	11/12/2	4 11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: NV		Batch: 2446093
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	4 11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	4 11/15/24	
Surrogate: n-Nonane		109 %	50-200	11/13/2	4 11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JM		Batch: 2446143
Chloride	63.4	20.0	1	11/15/24	4 11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 44' E411118-23

Volatile Organic Compounds by EPA 8260B mg/kg mg/kg Analyst: IY Benzene ND 0.0250 1 11/12/24 11 Ethylbenzene ND 0.0250 1 11/12/24 11 Toluene ND 0.0250 1 11/12/24 11	nalyzed Notes Batch: 2446064 1/17/24 1/17/24 1/17/24 1/17/24 1/17/24
Volatile Organic Compounds by EPA 8260B mg/kg mg/kg Analyst: IY Benzene ND 0.0250 1 11/12/24 11 Ethylbenzene ND 0.0250 1 11/12/24 11 Toluene ND 0.0250 1 11/12/24 11	Batch: 2446064 1/17/24 1/17/24 1/17/24 1/17/24 1/17/24
ND 0.0250 1 11/12/24 11.	1/17/24 1/17/24 1/17/24 1/17/24 1/17/24
Ethylbenzene ND 0.0250 1 11/12/24 11. Toluene ND 0.0250 1 11/12/24 11.	1/17/24 1/17/24 1/17/24 1/17/24
Toluene ND 0.0250 1 11/12/24 11.	1/17/24 1/17/24 1/17/24
To divide	1/17/24 1/17/24
o-Xylene ND 0.0250 1 11/12/24 11.	1/17/24
p,m-Xylene ND 0.0500 1 11/12/24 11.	1/17/24
Total Xylenes ND 0.0250 1 11/12/24 11.	1/1//24
	1/17/24
Surrogate: 1,2-Dichloroethane-d4 98.3 % 70-130 11/12/24 11.	1/17/24
Surrogate: Toluene-d8 104 % 70-130 11/12/24 11.	1/17/24
Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: IY	Batch: 2446064
Gasoline Range Organics (C6-C10) ND 20.0 1 11/12/24 11.	1/17/24
Surrogate: Bromofluorobenzene 101 % 70-130 11/12/24 11.	1/17/24
Surrogate: 1,2-Dichloroethane-d4 98.3 % 70-130 11/12/24 11.	1/17/24
Surrogate: Toluene-d8 104 % 70-130 11/12/24 11.	1/17/24
Nonhalogenated Organics by EPA 8015D - DRO/ORO mg/kg mg/kg Analyst: NV	Batch: 2446093
Diesel Range Organics (C10-C28) ND 25.0 1 11/13/24 11.	1/15/24
	1/15/24
Surrogate: n-Nonane 101 % 50-200 11/13/24 11.	1/15/24
Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: JM	Batch: 2446143
Chloride 83.7 20.0 1 11/15/24 11.	1/15/24



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 46' E411118-24

D14	Reporting	Dil		Doggan	A l J	Nisass
Resuit	Limit	Dil	ution	Prepared	Anaiyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2446064
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0500		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
	101 %	70-130		11/12/24	11/17/24	
	92.3 %	70-130		11/12/24	11/17/24	
	103 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2446064
ND	20.0		1	11/12/24	11/17/24	
	101 %	70-130		11/12/24	11/17/24	
	92.3 %	70-130		11/12/24	11/17/24	
	103 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg		Analyst:	NV		Batch: 2446093
ND	25.0		1	11/13/24	11/15/24	
ND	50.0		1	11/13/24	11/15/24	
	99.4 %	50-200		11/13/24	11/15/24	
mg/kg	mg/kg		Analyst:	JM		Batch: 2446143
75.7	20.0		1	11/15/24	11/15/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 I01 % 92.3 % 103 % mg/kg ND 20.0 I01 % 92.3 % 103 % mg/kg Mg/kg mg/kg ND 25.0 ND 50.0 99.4 % mg/kg mg/kg mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 101 % 70-130 92.3 % 70-130 103 % 70-130 mg/kg mg/kg ND 20.0 101 % 70-130 92.3 % 70-130 103 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 99.4 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 70-130 1 92.3 % 70-130 70-130 mg/kg mg/kg Analyst: ND 20.0 1 101 % 70-130 70-130 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 99.4 % 50-200 mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 70-130 11/12/24 92.3 % 70-130 11/12/24 103 % 70-130 11/12/24 MD 20.0 1 11/12/24 92.3 % 70-130 11/12/24 92.3 % 70-130 11/12/24 103 % 70-130 11/12/24 103 % 70-130 11/12/24 103 % 70-130 11/12/24 103 % 70-130 11/12/24 103 % 70-130 11/12/24 100 % 70-130 11/12/24 100 % 70-130 <	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 101 % 70-130 11/12/24 11/17/24 103 % 70-130 11/12/24 11/17/24 103 % 70-130 11/12/24 11/17/24 103 % 70-130 11/12/24 11/17/24 103 % 70-130 11/12/24 11/17/24 103 % 70-130 11/12/24 11/17/24 103 % 70-130 11/12/24 11/17/24 103 % <t< td=""></t<>



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 48' E411118-25

D14	Reporting	D.I		D	A l	N
Resuit	Limit	Dili	ution	Prepared	Anaiyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2446064
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
ND	0.0500		1	11/12/24	11/17/24	
ND	0.0250		1	11/12/24	11/17/24	
	99.2 %	70-130		11/12/24	11/17/24	
	97.1 %	70-130		11/12/24	11/17/24	
	104 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2446064
ND	20.0		1	11/12/24	11/17/24	
	99.2 %	70-130		11/12/24	11/17/24	
	97.1 %	70-130		11/12/24	11/17/24	
	104 %	70-130		11/12/24	11/17/24	
mg/kg	mg/kg		Analyst:	NV		Batch: 2446093
ND	25.0	_	1	11/13/24	11/15/24	
ND	50.0		1	11/13/24	11/15/24	
	103 %	50-200		11/13/24	11/15/24	
mg/kg	mg/kg		Analyst:	JM		Batch: 2446143
534	100		5	11/15/24	11/15/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 0.0250 MD 99.2 % 97.1 % 104 % MD 20.0 99.2 % 97.1 % 104 % 104 % mg/kg mg/kg ND 25.0 ND 50.0 103 % mg/kg mg/kg mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 PD 0.0250 99.2 % 70-130 97.1 % 70-130 104 % 70-130 99.2 % 70-130 99.1 % 70-130 104 % 70-130 104 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 103 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 99.2 % 70-130 97.1 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 99.2 % 70-130 1 99.2 % 70-130 1 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 103 % 50-200 mg/kg Mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 99.2 % 70-130 11/12/24 99.1 % 70-130 11/12/24 104 % 70-130 11/12/24 99.2 % 70-130 11/12/24 99.2 % 70-130 11/12/24 99.1 % 70-130 11/12/24 97.1 % 70-130 11/12/24 104 % 70-130 11/12/24 104 % 70-130 11/12/24 104 % 70-130 11/12/24 104 % 70-130 11/12/24 105 % 50-200 1 11/13/24 100 % 50-200 <td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 99.2 % 70-130 11/12/24 11/17/24 104 % 70-130 11/12/24 11/17/24 Mg/kg mg/kg Analyst: IV 11/12/24 11/17/24 Mg/kg mg/kg Analyst: NV ND 25.0 1 11/13/24 11/15/24 ND 50.0 1 11/13/24 11/15/24</td>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/12/24 11/17/24 ND 0.0500 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 ND 0.0250 1 11/12/24 11/17/24 99.2 % 70-130 11/12/24 11/17/24 104 % 70-130 11/12/24 11/17/24 Mg/kg mg/kg Analyst: IV 11/12/24 11/17/24 Mg/kg mg/kg Analyst: NV ND 25.0 1 11/13/24 11/15/24 ND 50.0 1 11/13/24 11/15/24



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 50' E411118-26

		2111110 20					
Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst			Batch: 2446064
Benzene	ND	0.0250		1	11/12/24	11/17/24	Butchi 2 1 1000 1
Ethylbenzene	ND	0.0250		1	11/12/24	11/17/24	
Toluene	ND	0.0250		1	11/12/24	11/17/24	
o-Xylene	ND	0.0250		1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		97.5 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2446064
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		97.5 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		103 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2446093
Diesel Range Organics (C10-C28)	ND	25.0		1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/13/24	11/15/24	
Surrogate: n-Nonane		98.2 %	50-200		11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2446143
Chloride	513	200		10	11/15/24	11/15/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 52' E411118-27

Analyte	Result	Reporting Limit	Dilutio	Drawara J	A malviga J	Notes
Analyte	Kesuit	Limit	Dilutio	on Prepared	Analyzed	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2446064
Benzene	ND	0.0250	1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/17/24	
Toluene	ND	0.0250	1	11/12/24	11/17/24	
o-Xylene	ND	0.0250	1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		96.2 %	70-130	11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	11/12/24	11/17/24	
Surrogate: Toluene-d8		104 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2446064
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		96.2 %	70-130	11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	11/12/24	11/17/24	
Surrogate: Toluene-d8		104 %	70-130	11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2446093
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24	
Surrogate: n-Nonane		99.6 %	50-200	11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: JM		Batch: 2446143
Chloride	480	200	10	11/15/24	11/16/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 54' E411118-28

		2.11110 20					
Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
Analyte	Result	Limit	DII	iution	rrepared	Allalyzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2446064
Benzene	ND	0.0250		1	11/12/24	11/17/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/17/24	
Toluene	ND	0.0250		1	11/12/24	11/17/24	
o-Xylene	ND	0.0250		1	11/12/24	11/17/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/17/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		100 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2446064
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/17/24	
Surrogate: Bromofluorobenzene		100 %	70-130		11/12/24	11/17/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		11/12/24	11/17/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2446093
Diesel Range Organics (C10-C28)	ND	25.0		1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/13/24	11/15/24	
Surrogate: n-Nonane		105 %	50-200		11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2446143
Chloride	182	20.0		1	11/15/24	11/16/24	
Chloride	182	20.0		1	11/15/24	11/16/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

BH12 55' E411118-29

Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2446064
Benzene	ND	0.0250		1	11/12/24	11/18/24	
Ethylbenzene	ND	0.0250		1	11/12/24	11/18/24	
Toluene	ND	0.0250		1	11/12/24	11/18/24	
o-Xylene	ND	0.0250		1	11/12/24	11/18/24	
p,m-Xylene	ND	0.0500		1	11/12/24	11/18/24	
Total Xylenes	ND	0.0250		1	11/12/24	11/18/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		11/12/24	11/18/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		11/12/24	11/18/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2446064
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/12/24	11/18/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		11/12/24	11/18/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		11/12/24	11/18/24	
Surrogate: Toluene-d8		104 %	70-130		11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2446093
Diesel Range Organics (C10-C28)	ND	25.0		1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/13/24	11/15/24	
Surrogate: n-Nonane		102 %	50-200		11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2446143
Chloride	168	20.0		1	11/15/24	11/16/24	

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/19/2024 11:13:21AM

3313 Bucha Vista Di		roject rumber.	01	.030 0007					
Carlsbad NM, 88220		Project Manager	: A1	nna Byers				11/1	9/2024 11:13:21A
	V	olatile Organi	c Compo	unds by EI	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446064-BLK1)							Prepared: 11	1/12/24 Anal	yzed: 11/17/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.451		0.500		90.2	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			
LCS (2446064-BS1)							Prepared: 1	1/12/24 Anal	yzed: 11/17/24
Benzene	2.31	0.0250	2.50		92.2	70-130			·
Ethylbenzene	2.64	0.0250	2.50		106	70-130			
Toluene	2.54	0.0250	2.50		101	70-130			
o-Xylene	2.76	0.0250	2.50		110	70-130			
p,m-Xylene	5.58	0.0500	5.00		112	70-130			
Total Xylenes	8.34	0.0250	7.50		111	70-130			
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			
LCS Dup (2446064-BSD1)							Prepared: 1	1/12/24 Anal	yzed: 11/17/24
Benzene	2.31	0.0250	2.50		92.6	70-130	0.390	23	
Ethylbenzene	2.61	0.0250	2.50		104	70-130	1.24	27	
Toluene	2.50	0.0250	2.50		100	70-130	1.31	24	
o-Xylene	2.79	0.0250	2.50		112	70-130	1.17	27	
p,m-Xylene	5.58	0.0500	5.00		112	70-130	0.0717	27	
Total Xylenes	8.37	0.0250	7.50		112	70-130	0.341	27	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			

0.500

105

70-130

0.523

Surrogate: Toluene-d8

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/19/2024 11:13:21AM

Carlsbad NM, 88220		Project Manager	: A1	nna Byers				11/1	9/2024 11:13:21A
,	X 7				DA 92601	D			
		olatile Organi	c Compo	unas by Er	A 82001	<u> </u>			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446065-BLK1)							Prepared: 11	1/12/24 Anal	yzed: 11/17/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.446		0.500		89.1	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			
LCS (2446065-BS1)							Prepared: 1	1/12/24 Anal	yzed: 11/17/24
Benzene	2.44	0.0250	2.50		97.7	70-130			
Ethylbenzene	2.34	0.0250	2.50		93.6	70-130			
Toluene	2.39	0.0250	2.50		95.8	70-130			
o-Xylene	2.44	0.0250	2.50		97.5	70-130			
p,m-Xylene	4.91	0.0500	5.00		98.3	70-130			
Total Xylenes	7.35	0.0250	7.50		98.0	70-130			
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			
LCS Dup (2446065-BSD1)							Prepared: 1	1/12/24 Anal	yzed: 11/17/24
Benzene	2.44	0.0250	2.50		97.8	70-130	0.102	23	
Ethylbenzene	2.43	0.0250	2.50		97.1	70-130	3.65	27	
Foluene	2.49	0.0250	2.50		99.6	70-130	3.95	24	
o-Xylene	2.44	0.0250	2.50		97.8	70-130	0.225	27	
p,m-Xylene	4.93	0.0500	5.00		98.5	70-130	0.264	27	
Total Xylenes	7.37	0.0250	7.50		98.3	70-130	0.251	27	
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			

0.500

107

70-130

0.535



Surrogate: Toluene-d8

WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/19/2024 11:13:21AM

Nonhalogenated	Organics by	· EPA	. 8015D -	GRO

Analyst: IY

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

Blank (2446064-BLK1)						Prepared: 1	/12/24 An	alyzed: 11/17/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.499		0.500	99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.451		0.500	90.2	70-130			
Surrogate: Toluene-d8	0.515		0.500	103	70-130			
LCS (2446064-BS2)						Prepared: 1	/12/24 An	alyzed: 11/17/24
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	109	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500	98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500	91.4	70-130			
Surrogate: Toluene-d8	0.535		0.500	107	70-130			
LCS Dup (2446064-BSD2)						Prepared: 11	/12/24 An	alyzed: 11/17/24
Gasoline Range Organics (C6-C10)	53.7	20.0	50.0	107	70-130	1.61	20	
Surrogate: Bromofluorobenzene	0.492		0.500	98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500	96.0	70-130			
Surrogate: Toluene-d8	0.520		0.500	104	70-130			



WPX Energy - Carlsbad Project Name: East Pecos 22-3 Produced Water Gathering Line Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Anna Byers 11/19/2024 11:13:21AM

Nonhalogenated	Organics 1	by EPA	8015D -	GRO

Analyst: IY

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

Blank (2446065-BLK1)						Prepared: 1	1/12/24 A	nalyzed: 11/17/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.529		0.500	106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.446		0.500	89.1	70-130			
Surrogate: Toluene-d8	0.533		0.500	107	70-130			
LCS (2446065-BS2)						Prepared: 1	1/12/24 A	nalyzed: 11/17/24
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	93.6	70-130			
Surrogate: Bromofluorobenzene	0.550		0.500	110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500	96.7	70-130			
Surrogate: Toluene-d8	0.542		0.500	108	70-130			
LCS Dup (2446065-BSD2)						Prepared: 1	1/12/24 A	nalyzed: 11/17/24
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	93.1	70-130	0.468	20	
Surrogate: Bromofluorobenzene	0.552		0.500	110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500	94.6	70-130			
Surrogate: Toluene-d8	0.543		0.500	109	70-130			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	·
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				11	1/19/2024 11:13:21A
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: NV									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446072-BLK1)							Prepared: 1	1/12/24 An	alyzed: 11/15/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	49.9		50.0		99.8	50-200			
LCS (2446072-BS1)							Prepared: 1	1/12/24 An	alyzed: 11/15/24
Diesel Range Organics (C10-C28)	243	25.0	250		97.4	38-132			
urrogate: n-Nonane	51.3		50.0		103	50-200			
Matrix Spike (2446072-MS1)				Source:	E411118-0)4	Prepared: 1	1/12/24 An	alyzed: 11/16/24
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.2	38-132			
urrogate: n-Nonane	51.9		50.0		104	50-200			
Matrix Spike Dup (2446072-MSD1)				Source:	E411118-0)4	Prepared: 1	1/12/24 An	alyzed: 11/16/24
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.1	38-132	4.25	20	
Jurrogate: n-Nonane	50.5		50.0		101	50-200			

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	·
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

Carlsbad NM, 88220		Project Manage	r: Aı	nna Byers				11	1/19/2024 11:13:21AN
	Nonha	logenated Or	ganics by	Analyst: NV					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446093-BLK1)							Prepared: 1	1/13/24 An	alyzed: 11/19/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.1		50.0		100	50-200			
LCS (2446093-BS1)							Prepared: 1	1/13/24 An	alyzed: 11/19/24
Diesel Range Organics (C10-C28)	242	25.0	250		96.8	38-132			
Surrogate: n-Nonane	50.7		50.0		101	50-200			
Matrix Spike (2446093-MS1)				Source:	E411118-2	27	Prepared: 1	1/13/24 An	alyzed: 11/19/24
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.9	38-132			
Surrogate: n-Nonane	51.1		50.0		102	50-200			
Matrix Spike Dup (2446093-MSD1)				Source:	E411118-2	27	Prepared: 1	1/13/24 An	alyzed: 11/19/24
Diesel Range Organics (C10-C28)	230	25.0	250	ND	92.0	38-132	5.12	20	
Surrogate: n-Nonane	48.0		50.0		95.9	50-200			

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	11/19/2024 11:13:21AM
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:13:21AM

Anions by EP	A 300.0/9056A
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Anal	yst:	JM
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Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2446109-BLK1)						Prepared: 11/	/14/24 Analyzed: 11/14/24
Chloride	ND	20.0					
LCS (2446109-BS1)						Prepared: 11/	/14/24 Analyzed: 11/14/24
Chloride	252	20.0	250	101	90-110		
LCS Dup (2446109-BSD1)						Prepared: 11/	/14/24 Analyzed: 11/14/24
Chloride	252	20.0	250	101	90-110	0.0805	20



WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Project Number: Project Manager:	East Pecos 22-3 Produced Water Gathering Line 01058-0007 Anna Byers	Reported: 11/19/2024 11:13:21AM
	Anions by I	Analyst: IM	

		Anions	by EPA 3	00.0/9056	4				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446143-BLK1)							Prepared: 1	1/15/24 A	nalyzed: 11/15/24
Chloride	ND	20.0							
LCS (2446143-BS1)							Prepared: 1	1/15/24 A	nalyzed: 11/15/24
Chloride	252	20.0	250		101	90-110			
LCS Dup (2446143-BSD1)							Prepared: 1	1/15/24 A	nalyzed: 11/15/24
Chloride	251	20.0	250		101	90-110	0.0409	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:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/24 11:13

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

Page __1___ of __3_

Project Proj	Client: W	ent: WPX Energy Permian, LLC. Bill To Lab Use Only TAY EPA Program																							
Project Manager: Anna Byers Address: 39315 Buena Vista Dr. E. Dr. S. (10) S.					hering Line		Ar	tention: Jim Ralev	'		Lah V	VO#							1D	2D			ndard		
Address: 13000 W County Rd 100 City, State, Zip Carlsday, NM, 88220 Analysis and Method RCRA City, State, Zip Carlsday, NM, 88220 State NM CD UT AZ TX State NM CD UT AZ TX NM	Project N	lanager: /	Anna Bye	rs							E	1111	7												
City, State, Zio, Odessa, Tx, 79765 Phone: \$75-885-7902 Phone: \$432-505-6415 William Reproduction Phone: \$432-505-6415 William Reproduction Phone: \$432-505-6415 William Reproduction Phone: \$432-505-6415 William Reproduction Phone: \$432-505-6415 Phone:	Address:	13000 W	County F	₹d 100			Cit	y, State, Zip: Carls	sbad, NM, 88220													12			RCRA
Phones 432-305-6415 Trail: Image: Pervon-team@etechenv.com W0: 2125/325 Incident ID: nAB1614039576 and nAB1616628496 Collected by: Edyte Konan Time: Sampled Matrix Collected Services Matrix Collec	City, Stat	e, Zio, Od	essa,TX,	79765		N.	Ph	one: 575-885-750)2						Ť		T	-							
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12:40 11.08.24 S 1 BH12	Email: De	von-team	n@eteche	env.com		(€) (2.00)	9.0					اَهُا											MM CO	UT AZ	TXT
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13:15 11.08.24 5 1 BH12 9 16 XX 1 13:20 11.08.24 5 1 BH12 9 16 XX 1 13:20 11.08.24 5 1 BH12 9 16 XX 1 13:20 11.08.24 5 1 BH12 9 16 XX 1 13:20 11.08.24 5 1 BH12 10 18' XX 1 13	13:05	11.08.24	s	1				BH12		7	12'					_			x						
13:20 11.08.24 5 1 BH12 10 18 X Additional instructions: (field sampler), attest to the validity and authenticity of this sample. I am aware that tampeting with or intentionally mislabelling the sample location, samples requiring thermal preservation must be received on too the day they are sampled or received face or time of collection is considered fraud and may be grounds for legal action. Sampled by: (Signature) Date 1//1/124 20:00 Nuchcle George 11-17-47 11me 11m	13:10	11.08.24	S	1		•		BH12		g.	14'								х						
Additional instructions: (field sampler), ettest to the validity and authenticity of this sample. I am aware that tampeting with or intentionally mislabelling the sample location, late or time of collection is considered fraud and may be grounds for legal action. Sampled by: Sampled by: Samples requiring thermal preservation must be received on loc the day they are sampled or received in ice at an avg temp above 0 but less than 6 °C on subsequent days. Received by: Signature) Date Time Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	13:15	11.08.24	S	1				BH12		9	16'								x						
(field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, late or time of collection is considered fraud and may be grounds for legal action. Sampled by: Received by: (Signature) Date ////// 20:00 /////// 20:00 /////////////////////////////////	13:20	11.08.24	s	1		•		BH12		/0	18'								x						
late or time of collection is considered fraud and may be grounds for legal action. Sampled by: EK Consultation is considered fraud and may be grounds for legal action. Consultation is considered fraud and may be grounds for legal action. Consultation is considered fraud and may be grounds for legal action. Consultation is considered fraud and may be grounds for legal action. Consultation is considered fraud and may be grounds for legal action. Consultation is considered fraud and may be grounds for legal action. Consultation is considered fraud and may be grounds for legal action. Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	Addition	al Instruc	tions:		•••										•										
Recorded by: (Signature) Date Time Recorded by: (Signature) Date Time U-12-U 1740 T1 T2 T3 Recorded by: (Signature) Date Time U-12-U 1740 T1 T2 T3 Recorded by: (Signature) Date Time U-12-U 1740 T1 T2 T3 Recorded by: (Signature) Date Time U-12-U 1740 T2 T3 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA		and the last of th																							
Recorded by: (Signature) Date Time Recorded by: (Signature) Date Time U-12-U 1740 T1 T2 T3 Recorded by: (Signature) Date Time U-12-U 1740 T1 T2 T3 Recorded by: (Signature) Date Time U-12-U 1740 T1 T2 T3 Recorded by: (Signature) Date Time U-12-U 1740 T2 T3 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA		inquished by: (Signature) Date Time Received by: (Signature) Date Time Lab Use Only																							
Acting fined by: (Signature) Date Time Recorded by: (Signature) Out 1/12-14 Date Time 1/1/2-14 P: 45 AVG Temp 9: 4 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	Relinguishe Wich	d by (Sign	ture)	lec 11-		Time		Received by: (Signa	tuge.	Date .		Time	70	, 1				10.75		701777			3		
ample Matrix: S - Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	Retingulehe	d by: (Signa	H.			Time	60	Received by: Isigna	Marie 1		24	Time 9:	45			Tem	o °C							er de je	
														- poly	/plast	ic, ag	- am	ber g	lass,			<u></u>			
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																	it the	dlent	expe	nse.	The re	port fo	r the anal	ysis of the	above



envirotech

Project Information

Chain	of	Custody
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Client: W					13.74	Bill To			Lab Use Only TAT EPA Program									rogram				
Project: Eas	it Pecos 22-	3 Produced	Water Gat	hering Line		Attention: Jim Raley	•	Lab	NO#	XIII C		Job I	Num	cer .	1.1	10	2D	3D	Sta	andard	CWA	SDWA
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Phone: 4	32-305-64	115			1900	Email: im.raley@dvn.com		}	1 2					[l 1		State	
Email: De	von-team	@eteche	nv.com			WO: 21255735]	<u> </u>			i								NM CO	UT AZ	TX
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13:45	11.08.24	S	1			BH12	15	28'								х						
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	tote: 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 amples 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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Project Information

Client: W	PX Energy	/ Permiar	ı, LLC.		Bill To					Lal	b Us	e On	gaba)				TA	T	EPA I	Program	
roject: Eas	t Pecos 22-	3 Produced	Water Gat	thering Line		Attention: Jim Raley		Lab V	VQ#			Job				1D	2D	3D	Standard	CWA	SDWA
	lanager: A					Address: 5315 Buena Vista Dr.		E4	////	8		010	58.	000	Π				5 day TAT		
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City, Stat	e, Zip_Od	essa,TX,	79765			Phone: 575-885-7502			5												
hone: 4	32-305-64	115			25.0	Email: jim.raley@dvn.com			801									1 1		State	
mail: De	von-team	@eteche	env.com			WO: 21255735			yd C										NM CO	UT AZ	Z TX
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	верос		GDOC		Remark	s
14:15	11.08.24	S	1			BH12	21	40'								х					
14:20	11.08.24	S	1			BH12	22	42'								х					
14:25	11.08.24	S	1			BH12	23	44'								х					
14:30	11.08.24	S	1			BH12	24	46'								х					
14:35	11.08.24	S	1			BH12	25	48'								х					
14:40	11.08.24	S	1			BH12	26	50'								х					
14:45	11.08.24	S	1			BH12	27	52'								х					
14:50	11.08.24	S	1			BH12	28	54'								х					
14:55	11.08.24	S	1			BH12	29	55'								х					
Addition	al Instruc	tions:					22000-1-0200-0-0200									L					
(field samp	ler), attest to	the validity	and authent	icity of this sampl	le. Lam a	ware that tampering with or intentionally m	islabelling the sample	location				Sample	es requi	ring the	rmal pr	eservat	tion mu	st be rec	eived on ice the day	they are sam	pled or received
				nay be grounds fo					<i>t</i>).			packed	in ice a	at an av	g temp	above () but le	ss than 6	°C on subsequent da	ys.	
	ed by: (Signa		Date	Tir		Received by: (Signature)	Date 11-11-2	14	Time) ())	Rec	aivad	on id	· • ·		ab U	se On	ly		
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envirotech Inc.

Printed: 11/13/2024 9:49:57AM

Envirotech Analytical Laboratory

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:	11/12/24	09:45		Work Order ID:	E411118
Phone:	(575) 200-6754	Date Logged In:	11/12/24	11:06		Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	11/18/24	17:00 (4 day TAT)			
Chain o	f Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
2. Does	the number of samples per sampling site location man	tch the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was tl	ne COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted ir i.e, 15 minute hold time, are not included in this disucssi		Yes	_		<u>Comment</u>	rs/Resolution
Sample	<u>Turn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was tl	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	s, were custody/security seals intact?		NA				
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
	Container	<u></u>	_				
	aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers'	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field La	** *						
	e field sample labels filled out with the minimum info	ormation:					
	Sample ID?		Yes				
]	Date/Time Collected?		Yes	L			
(Collectors name?		No				
	<u>Preservation</u>						
	the COC or field labels indicate the samples were pr	reserved?	No				
	sample(s) correctly preserved?		NA				
24. Is lat	o filteration required and/or requested for dissolved n	netals?	No				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multipha		No				
27. If ye	s, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcont	ract Laboratory						
	samples required to get sent to a subcontract laborato a subcontract laboratory specified by the client and it	•	No NA	Subcontract Lab:	·NA		
				Suotomate Luo.			
Client	<u>nstruction</u>						

Date

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

Report to:
Anna Byers





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: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E411119

Job Number: 01058-0007

Received: 11/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/19/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 11/19/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E411119

Date Received: 11/12/2024 9:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/12/2024 9:45:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line 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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whinchman@envirotech-inc.com

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Sample Summary

WPX Energy - CarlsbadProject Name:East Pecos 22-3 Produced Water Gathering Line5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Anna Byers11/19/24 11:07

BHI3 0.5' BHI3 0.5' BHI3 12' BHI3 2' BHI3 4' BHI119-03A Soil BHI3 6' BHI119-04A Soil BHI3 6' BHI119-04A Soil BHI3 6' BHI119-04A Soil BHI3 8' BHI119-05A BHI3 10' BHI13 0' BHI119-05A BHI3 10' BH	Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
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BH13 12' E411119-07A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 14' E411119-08A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 16' E411119-09A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 18' E411119-10A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 20' E411119-11A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 22' E411119-12A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 24' E411119-13A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 26' E411119-14A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 28' E411119-15A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 30' E411119-16A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 32' E411119-16A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 32' E411119-17A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 36' E411119-18A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 36' E411119-19A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 40' E411119-21A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 40' E411119-22A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 44' E411119-23A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 44' E411119-24A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 48' E411119-25A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 50' E411119-26A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 50' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 50' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 52' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 52' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 54' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 54' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	BH13 8'	E411119-05A	Soil	11/08/24	11/12/24	Glass Jar, 2 oz.
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BHI3 16' E411119-09A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 18' E411119-10A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 20' E411119-11A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 22' E411119-12A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 24' E411119-13A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 26' E411119-15A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 28' E411119-15A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 30' E411119-16A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 32' E411119-17A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 33' E411119-18A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 36' E411119-18A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 38' E411119-20A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 40' E411119-21A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 42' E411119-22A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 44' E41119-23A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 44' E411119-23A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 48' E411119-25A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 50' E411119-26A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 50' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 50' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 50' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 50' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 50' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 50' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 50' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BHI3 50' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	BH13 12'	E411119-07A	Soil	11/08/24	11/12/24	Glass Jar, 2 oz.
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BH13 26' E411119-14A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 28' E411119-15A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 30' E411119-16A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 32' E411119-17A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 34' E411119-18A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 36' E411119-19A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 38' E411119-20A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 40' E411119-21A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 42' E411119-22A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 44' E411119-23A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 46' E411119-25A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 48' E411119-25A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 50' E411119-26A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 52' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 54' E411119-28A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 54' Glass Jar, 2 oz.	BH13 22'	E411119-12A	Soil	11/08/24	11/12/24	Glass Jar, 2 oz.
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BH13 30' BH13 30' BH13 30' BH13 32' BH119-17A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 34' BH13 36' BH119-19A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 38' BH119-20A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 40' BH13 42' BH119-22A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 44' BH13 46' BH119-24A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 46' BH119-25A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 50' BH119-26A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 52' BH13 52' BH119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 54' BH119-28A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 54' BH119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 54' BH119-28A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	BH13 26'	E411119-14A	Soil	11/08/24	11/12/24	Glass Jar, 2 oz.
BH13 32' BH13 34' B411119-18A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 36' B411119-19A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 38' B411119-20A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 40' B411119-21A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 42' B411119-22A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 44' B411119-23A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 46' B411119-24A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 48' B411119-25A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 50' B411119-26A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 52' BH13 52' B411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 54' B411119-28A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	BH13 28'	E411119-15A	Soil	11/08/24	11/12/24	Glass Jar, 2 oz.
BH13 34' BH13 36' BH13 36' BH13 38' BH13 38' BH119-20A BH13 40' BH13 42' BH13 44' BH119-23A BH13 46' BH119-24A BH13 46' BH13 48' BH119-25A BH13 50' BH13 50' BH13 50' BH13 50' BH13 50' BH13 50' BH13 52' BH13 54' BH13 54' BH13 54' BH13 56' BH119-28A Soil BH13 56' BH119-28A Soil BH13 56' BH119-27A Soil BH13 56' BH119-27A Soil BH13 56' BH119-27A Soil BH13 56' BH119-27A Soil BH13 56'	BH13 30'	E411119-16A	Soil	11/08/24	11/12/24	Glass Jar, 2 oz.
BH13 36' E411119-19A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 38' E411119-20A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 40' E411119-21A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 42' E411119-22A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 44' E411119-23A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 46' E411119-24A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 48' E411119-25A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 50' E411119-26A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 52' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 54' E411119-28A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	BH13 32'	E411119-17A	Soil	11/08/24	11/12/24	Glass Jar, 2 oz.
BH13 38' E411119-20A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 40' E411119-21A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 42' E411119-22A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 44' E411119-23A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 46' E411119-24A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 48' E411119-25A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 50' E411119-26A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 52' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 54' E411119-28A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	BH13 34'	E411119-18A	Soil	11/08/24	11/12/24	Glass Jar, 2 oz.
BH13 40' BH13 40' BH13 42' BH13 44' BH119-22A Soil BH13 46' BH13 48' BH119-25A Soil BH13 50' BH13 50' BH13 52' BH13 52' BH13 54' BH13 54' E411119-28A Soil BH13 50' BH13 54' BH13 50'	BH13 36'	E411119-19A	Soil	11/08/24	11/12/24	Glass Jar, 2 oz.
BH13 42' BH13 44' BH13 46' BH119-24A Soil BH13 48' BH119-25A Soil BH13 50' BH119-26A Soil BH13 52' BH13 54' E411119-28A Soil BH13 54' E411119-28A Soil BH13 50' BH13 54' BH13 54' BH13 54' BH13 54' BH13 54' BH13 54' BH13 56' BH1	BH13 38'	E411119-20A	Soil	11/08/24	11/12/24	Glass Jar, 2 oz.
BH13 44' BH13 46' BH13 48' BH13 48' BH13 50' BH13 50' BH13 52' BH13 54' BH13 54' BH13 54' BH13 54' BH13 54' BH13 56' BH1	BH13 40'	E411119-21A	Soil	11/08/24	11/12/24	Glass Jar, 2 oz.
BH13 46' E411119-24A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 48' E411119-25A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 50' E411119-26A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 52' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 54' E411119-28A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	BH13 42'	E411119-22A	Soil	11/08/24	11/12/24	Glass Jar, 2 oz.
BH13 48' E411119-25A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 50' E411119-26A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 52' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 54' E411119-28A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	BH13 44'	E411119-23A	Soil	11/08/24	11/12/24	Glass Jar, 2 oz.
BH13 50' E411119-26A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 52' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 54' E411119-28A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	BH13 46'	E411119-24A	Soil	11/08/24	11/12/24	Glass Jar, 2 oz.
BH13 52' E411119-27A Soil 11/08/24 11/12/24 Glass Jar, 2 oz. BH13 54' E411119-28A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	BH13 48'	E411119-25A	Soil	11/08/24	11/12/24	Glass Jar, 2 oz.
BH13 54' E411119-28A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	BH13 50'	E411119-26A	Soil	11/08/24	11/12/24	Glass Jar, 2 oz.
	BH13 52'	E411119-27A	Soil	11/08/24	11/12/24	Glass Jar, 2 oz.
BH13 55' E411119-29A Soil 11/08/24 11/12/24 Glass Jar, 2 oz.	BH13 54'	E411119-28A	Soil	11/08/24	11/12/24	Glass Jar, 2 oz.
	BH13 55'	E411119-29A	Soil	11/08/24	11/12/24	Glass Jar, 2 oz.

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 0.5' E411119-01

E411119-01								
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes			
mg/kg	mg/kg	Analy	yst: BA		Batch: 2446066			
ND	0.0250	1	11/12/24	11/18/24				
ND	0.0250	1	11/12/24	11/18/24				
ND	0.0250	1	11/12/24	11/18/24				
ND	0.0250	1	11/12/24	11/18/24				
ND	0.0500	1	11/12/24	11/18/24				
ND	0.0250	1	11/12/24	11/18/24				
	91.5 %	70-130	11/12/24	11/18/24				
mg/kg	mg/kg	Analy	yst: BA		Batch: 2446066			
ND	20.0	1	11/12/24	11/18/24				
	90.8 %	70-130	11/12/24	11/18/24				
mg/kg	mg/kg	Analy	yst: NV		Batch: 2446094			
ND	25.0	1	11/13/24	11/15/24				
ND	50.0	1	11/13/24	11/15/24				
	100 %	50-200	11/13/24	11/15/24				
mg/kg	mg/kg	Analy	yst: JM		Batch: 2446121			
183	20.0	1	11/14/24	11/16/24				
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 90.8 % mg/kg MB/kg mg/kg ND 25.0 ND 50.0 100 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 MD 0.0250 1 91.5 % 70-130 70-130 mg/kg mg/kg Analy ND 20.0 1 Mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 100 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/13/24 ND 50.0 1 11/13/24 ND 50.0 1 11/13/24 Mg/kg mg/kg Analyst: NV	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 ND 0.0500 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/18/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/18/24 Mg/kg mg/kg Analyst: NV ND 25.0 1 11/13/24 11/15/24 ND 50.0 1 11/13/24 11/15/24 ND 50.0 1 11/13/24 11/15/24			

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 2'

E411119-02								
Reporting								
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2446066		
Benzene	ND	0.0250	1	11/12/24	11/18/24			
Ethylbenzene	ND	0.0250	1	11/12/24	11/18/24			
Toluene	ND	0.0250	1	11/12/24	11/18/24			
o-Xylene	ND	0.0250	1	11/12/24	11/18/24			
p,m-Xylene	ND	0.0500	1	11/12/24	11/18/24			
Total Xylenes	ND	0.0250	1	11/12/24	11/18/24			
Surrogate: 4-Bromochlorobenzene-PID		90.9 %	70-130	11/12/24	11/18/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2446066		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/18/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.0 %	70-130	11/12/24	11/18/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2446094		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24			
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24			
Surrogate: n-Nonane		101 %	50-200	11/13/24	11/15/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2446121		
Chloride	178	20.0	1	11/14/24	11/16/24			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 4' E411119-03

E411117-03								
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446066		
Benzene	ND	0.0250	1	11/12/24	11/18/24			
Ethylbenzene	ND	0.0250	1	11/12/24	11/18/24			
Toluene	ND	0.0250	1	11/12/24	11/18/24			
o-Xylene	ND	0.0250	1	11/12/24	11/18/24			
p,m-Xylene	ND	0.0500	1	11/12/24	11/18/24			
Total Xylenes	ND	0.0250	1	11/12/24	11/18/24			
Surrogate: 4-Bromochlorobenzene-PID		89.8 %	70-130	11/12/24	11/18/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446066		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/18/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	70-130	11/12/24	11/18/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2446094		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24			
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24			
Surrogate: n-Nonane		102 %	50-200	11/13/24	11/15/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2446121		
Chloride	181	20.0	1	11/14/24	11/16/24			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 6' E411119-04

		E-11117-0-				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2446066
Benzene	ND	0.0250	1	11/12/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/18/24	
Toluene	ND	0.0250	1	11/12/24	11/18/24	
o-Xylene	ND	0.0250	1	11/12/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		89.7 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2446066
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2446094
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24	
Surrogate: n-Nonane		104 %	50-200	11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2446121
Chloride	184	20.0	1	11/14/24	11/16/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 8' E411119-05

		E-11117-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2446066
Benzene	ND	0.0250	1	11/12/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/18/24	
Toluene	ND	0.0250	1	11/12/24	11/18/24	
o-Xylene	ND	0.0250	1	11/12/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		89.8 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2446066
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2446094
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24	
Surrogate: n-Nonane		104 %	50-200	11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: JM		Batch: 2446121
Chloride	176	20.0	1	11/14/24	11/16/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 10' E411119-06

	ETITITY 00				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analyst: BA			Batch: 2446066
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0500	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
	89.6 %	70-130	11/12/24	11/18/24	
mg/kg	mg/kg	Analyst: BA			Batch: 2446066
ND	20.0	1	11/12/24	11/18/24	
	91.8 %	70-130	11/12/24	11/18/24	
mg/kg	mg/kg	Analyst: NV			Batch: 2446094
ND	25.0	1	11/13/24	11/15/24	
ND	50.0	1	11/13/24	11/15/24	
	98.8 %	50-200	11/13/24	11/15/24	
mg/kg	mg/kg	Anal	yst: JM		Batch: 2446121
ND	100	5	11/14/24	11/16/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 89.6 % mg/kg MD 20.0 91.8 % mg/kg ND 25.0 ND 50.0 98.8 % mg/kg mg/kg mg/kg	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 89.6 % 70-130 mg/kg mg/kg Anal ND 20.0 1 91.8 % 70-130 1 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 98.8 % 50-200 mg/kg mg/kg Anal	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/13/24 ND 25.0 1 11/13/24 ND 50.0 1 11/13/24 ND 50.0 1 11/13/24 mg/kg mg/kg Analyst: JM	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 ND 0.0500 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 Mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/18/24 Mg/kg mg/kg Analyst: BA 11/12/24 11/18/24 MD 20.0 1 11/12/24 11/18/24 Mg/kg mg/kg Analyst: NV 11/13/24 11/18/24 ND 25.0 1 11/13/24 11/15/24 ND 50.0 1 11/13/24 11/15/24 Mg/kg mg/kg Analyst: JM



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 12' E411119-07

		E411119-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446066
Benzene	ND	0.0250	1	11/12/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/18/24	
Toluene	ND	0.0250	1	11/12/24	11/18/24	
o-Xylene	ND	0.0250	1	11/12/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		89.5 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446066
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446094
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24	
Surrogate: n-Nonane		99.9 %	50-200	11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446121
Chloride	ND	100	5	11/14/24	11/16/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 14' E411119-08

		E-11117-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446066
Benzene	ND	0.0250	1	11/12/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/18/24	
Toluene	ND	0.0250	1	11/12/24	11/18/24	
o-Xylene	ND	0.0250	1	11/12/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		89.1 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	mg/kg Analyst: BA			Batch: 2446066
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.8 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446094
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24	
Surrogate: n-Nonane		101 %	50-200	11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: JM		Batch: 2446121
Chloride	ND	100	5	11/14/24	11/16/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 16' E411119-09

	LTIIII) 0)				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2446066
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0500	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
	88.5 %	70-130	11/12/24	11/18/24	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2446066
ND	20.0	1	11/12/24	11/18/24	
	90.2 %	70-130	11/12/24	11/18/24	
mg/kg	mg/kg	Analy	yst: NV		Batch: 2446094
ND	25.0	1	11/13/24	11/15/24	
ND	50.0	1	11/13/24	11/15/24	
	99.9 %	50-200	11/13/24	11/15/24	
mg/kg	mg/kg	Analy	yst: JM		Batch: 2446121
ND	100	5	11/14/24	11/16/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 88.5 % mg/kg MD 20.0 90.2 % mg/kg ND 25.0 ND 50.0 99.9 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 88.5 % 70-130 mg/kg mg/kg Analy ND 20.0 1 90.2 % 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 99.9 % 50-200 mg/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/13/24 ND 50.0 1 11/13/24 ND 50.0 1 11/13/24 Mg/kg mg/kg Analyst: NV	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 ND 0.0500 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/18/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/18/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/13/24 11/15/24 ND 50.0 1 11/13/24 11/15/24 ND 50.0 1 11/13/24 11/15/24 mg/kg mg/kg



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 18' E411119-10

		L4IIII) IV				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: BA		Batch: 2446066
Benzene	ND	0.0250	1	11/12/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/18/24	
Toluene	ND	0.0250	1	11/12/24	11/18/24	
o-Xylene	ND	0.0250	1	11/12/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		88.0 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: BA		Batch: 2446066
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.9 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2446094
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24	
Surrogate: n-Nonane		103 %	50-200	11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: JM		Batch: 2446121
Chloride	ND	100	5	11/14/24	11/16/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 20' E411119-11

		L-11111/-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2446066
Benzene	ND	0.0250	1	11/12/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/18/24	
Toluene	ND	0.0250	1	11/12/24	11/18/24	
o-Xylene	ND	0.0250	1	11/12/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		89.5 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2446066
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2446094
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24	
Surrogate: n-Nonane		103 %	50-200	11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2446121
Chloride	ND	100	5	11/14/24	11/16/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 22'

		E411119-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446066
Benzene	ND	0.0250	1	11/12/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/18/24	
Toluene	ND	0.0250	1	11/12/24	11/18/24	
o-Xylene	ND	0.0250	1	11/12/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446066
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2446094
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24	
Surrogate: n-Nonane		101 %	50-200	11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2446121
Chloride	ND	100	5	11/14/24	11/16/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 24' E411119-13

		L411117 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: BA		Batch: 2446066
Benzene	ND	0.0250	1	11/12/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/18/24	
Toluene	ND	0.0250	1	11/12/24	11/18/24	
o-Xylene	ND	0.0250	1	11/12/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		92.5 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: BA		Batch: 2446066
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2446094
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24	
Surrogate: n-Nonane		102 %	50-200	11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: JM		Batch: 2446121
Chloride	ND	100	5	11/14/24	11/16/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 26' E411119-14

yzed Notes Batch: 2446066 8/24 8/24 8/24 8/24
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Batch: 2446066
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8/24
Batch: 2446094
5/24
5/24
5/24
Batch: 2446121
6/24
113



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 28' E411119-15

		E411119-13				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446066
Benzene	ND	0.0250	1	11/12/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/18/24	
Toluene	ND	0.0250	1	11/12/24	11/18/24	
o-Xylene	ND	0.0250	1	11/12/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446066
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2446094
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24	
Surrogate: n-Nonane		98.7 %	50-200	11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2446121
Chloride	ND	100	5	11/14/24	11/16/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 30' E411119-16

	ETIIII) IU				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2446066
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0500	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
	94.4 %	70-130	11/12/24	11/18/24	
mg/kg	mg/kg	Analyst: BA			Batch: 2446066
ND	20.0	1	11/12/24	11/18/24	
	90.5 %	70-130	11/12/24	11/18/24	
mg/kg	mg/kg	Analy	yst: NV		Batch: 2446094
ND	25.0	1	11/13/24	11/15/24	
ND	50.0	1	11/13/24	11/15/24	
	107 %	50-200	11/13/24	11/15/24	
mg/kg	mg/kg	Analy	yst: JM		Batch: 2446121
ND	100	5	11/14/24	11/16/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 94.4 % mg/kg MD 20.0 90.5 % mg/kg ND 25.0 ND 50.0 107 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg Analy ND 20.0 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 107 % 50-200 mg/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/13/24 ND 50.0 1 11/13/24 ND 50.0 1 11/13/24 ND 50.0 1 11/13/24 Mg/kg mg/kg Analyst: JM	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 ND 0.0500 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/18/24 MD 20.0 1 11/12/24 11/18/24 mg/kg mg/kg Analyst: BA ND 25.0 1 11/12/24 11/18/24 ND 25.0 1 11/13/24 11/15/24 ND 50.0 1 11/13/24 11/15/24 ND 50.0 1 11/13/24 11/15/24 M



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 32'

		E411119-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446066
Benzene	ND	0.0250	1	11/12/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/18/24	
Toluene	ND	0.0250	1	11/12/24	11/18/24	
o-Xylene	ND	0.0250	1	11/12/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		86.1 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2446066
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2446094
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24	
Surrogate: n-Nonane		101 %	50-200	11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2446121
Chloride	ND	100	5	11/14/24	11/16/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 34' E411119-18

	L411117 10				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2446066
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0500	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
	86.7 %	70-130	11/12/24	11/18/24	
mg/kg	mg/kg	Analyst: BA			Batch: 2446066
ND	20.0	1	11/12/24	11/18/24	
	91.3 %	70-130	11/12/24	11/18/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2446094
ND	25.0	1	11/13/24	11/15/24	
ND	50.0	1	11/13/24	11/15/24	
	98.7 %	50-200	11/13/24	11/15/24	
mg/kg	mg/kg	Anal	yst: JM		Batch: 2446121
ND	100	5	11/14/24	11/16/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 86.7 % mg/kg MD 20.0 91.3 % mg/kg ND 25.0 ND 50.0 98.7 % mg/kg mg/kg mg/kg	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 86.7 % 70-130 mg/kg mg/kg Anal ND 20.0 1 91.3 % 70-130 1 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 98.7 % 50-200 mg/kg mg/kg Anal	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/13/24 ND 25.0 1 11/13/24 ND 50.0 1 11/13/24 ND 50.0 1 11/13/24 mg/kg mg/kg Analyst: JM	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 ND 0.0500 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/18/24 MD 20.0 1 11/12/24 11/18/24 mg/kg mg/kg Analyst: BA ND 25.0 1 11/12/24 11/18/24 ND 25.0 1 11/13/24 11/15/24 ND 50.0 1 11/13/24 11/15/24 ND 50.0 1 11/13/24 11/15/24 m



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 36' E411119-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2446066
Benzene	ND	0.0250	1	11/12/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/18/24	
Toluene	ND	0.0250	1	11/12/24	11/18/24	
o-Xylene	ND	0.0250	1	11/12/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		87.9 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446066
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	11/12/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2446094
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24	
Surrogate: n-Nonane		96.8 %	50-200	11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: JM		Batch: 2446121
Chloride	ND	100	5	11/14/24	11/16/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 38' E411119-20

	L411117 20				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2446066
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
ND	0.0500	1	11/12/24	11/18/24	
ND	0.0250	1	11/12/24	11/18/24	
	87.3 %	70-130	11/12/24	11/18/24	
mg/kg	mg/kg	Analyst: BA			Batch: 2446066
ND	20.0	1	11/12/24	11/18/24	
	91.6 %	70-130	11/12/24	11/18/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2446094
ND	25.0	1	11/13/24	11/15/24	
ND	50.0	1	11/13/24	11/15/24	
	101 %	50-200	11/13/24	11/15/24	
mg/kg	mg/kg	Anal	yst: JM		Batch: 2446121
396	100	5	11/14/24	11/16/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 87.3 % mg/kg MD 20.0 91.6 % mg/kg ND 25.0 ND 50.0 101 % mg/kg mg/kg mg/kg	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 87.3 % 70-130 mg/kg mg/kg Anal ND 20.0 1 91.6 % 70-130 1 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 101 % 50-200 mg/kg Mg/kg Anal	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0500 1 11/12/24 ND 0.0250 1 11/12/24 ND 0.0250 1 11/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/13/24 ND 50.0 1 11/13/24 ND 50.0 1 11/13/24 Mg/kg mg/kg Analyst: NV	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 ND 0.0500 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 ND 0.0250 1 11/12/24 11/18/24 87.3 % 70-130 11/12/24 11/18/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/12/24 11/18/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/13/24 11/15/24 ND 25.0 1 11/13/24 11/15/24 ND 50.0 1 11/13/24 11/15/24 MD 50.0 1 11/13/24 11/15/24 mg/kg



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 40' E411119-21

E41117-21						
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446083
Benzene	ND	0.0250	1	11/13/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/18/24	
Toluene	ND	0.0250	1	11/13/24	11/18/24	
o-Xylene	ND	0.0250	1	11/13/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		89.3 %	70-130	11/13/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446083
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	11/13/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2446104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24	
Surrogate: n-Nonane		121 %	50-200	11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2446113
Chloride	374	40.0	2	11/14/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 42' E411119-22

		E411119-22				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
				1		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446083
Benzene	ND	0.0250	1	11/13/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/18/24	
Toluene	ND	0.0250	1	11/13/24	11/18/24	
o-Xylene	ND	0.0250	1	11/13/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		88.8 %	70-130	11/13/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446083
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	70-130	11/13/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2446104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24	
Surrogate: n-Nonane		112 %	50-200	11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2446113
Chloride	396	40.0	2	11/14/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 44' E411119-23

		E411117-23				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2446083
Benzene	ND	0.0250	1	11/13/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/18/24	
Toluene	ND	0.0250	1	11/13/24	11/18/24	
o-Xylene	ND	0.0250	1	11/13/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		88.9 %	70-130	11/13/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2446083
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	11/13/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2446104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24	
Surrogate: n-Nonane		117 %	50-200	11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2446113
Chloride	381	40.0	2	11/14/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 46' E411119-24

		E411119-24				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tillalyee	resuit	Emit	Bilation	Trepured	7 Hary Zea	110105
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2446083
Benzene	ND	0.0250	1	11/13/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/18/24	
Toluene	ND	0.0250	1	11/13/24	11/18/24	
o-Xylene	ND	0.0250	1	11/13/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		89.5 %	70-130	11/13/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2446083
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	11/13/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: NV		Batch: 2446104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24	
Surrogate: n-Nonane		115 %	50-200	11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: JM		Batch: 2446113
Chloride	379	40.0	2	11/14/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 48' E411119-25

l Analyzed Notes
Batch: 2446083
11/18/24
11/18/24
11/18/24
11/18/24
11/18/24
11/18/24
11/18/24
Batch: 2446083
11/18/24
11/18/24
Batch: 2446104
11/15/24
11/15/24
11/15/24
Batch: 2446113
11/14/24
1 1 1 1



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 50' E411119-26

	L411117 20				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2446083
ND	0.0250	1	11/13/24	11/18/24	
ND	0.0250	1	11/13/24	11/18/24	
ND	0.0250	1	11/13/24	11/18/24	
ND	0.0250	1	11/13/24	11/18/24	
ND	0.0500	1	11/13/24	11/18/24	
ND	0.0250	1	11/13/24	11/18/24	
	95.9 %	70-130	11/13/24	11/18/24	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2446083
ND	20.0	1	11/13/24	11/18/24	
	88.8 %	70-130	11/13/24	11/18/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2446104
ND	25.0	1	11/13/24	11/15/24	
ND	50.0	1	11/13/24	11/15/24	
	118 %	50-200	11/13/24	11/15/24	
mg/kg	mg/kg	Anal	yst: JM		Batch: 2446113
124	20.0	1	11/14/24	11/14/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MD 20.0 88.8 % mg/kg ND 25.0 ND 50.0 118 % mg/kg mg/kg mg/kg	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 95.9 % 70-130 mg/kg mg/kg Anal ND 20.0 1 88.8 % 70-130 1 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 118 % 50-200 mg/kg Mg/kg Anal	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 11/13/24 ND 0.0250 1 11/13/24 ND 0.0250 1 11/13/24 ND 0.0500 1 11/13/24 ND 0.0250 1 11/13/24 ND 0.0250 1 11/13/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/13/24 mg/kg mg/kg Analyst: NV ND 25.0 1 11/13/24 ND 25.0 1 11/13/24 ND 50.0 1 11/13/24 ND 50.0 1 11/13/24 Mg/kg mg/kg Analyst: NV	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 11/13/24 11/18/24 ND 0.0250 1 11/13/24 11/18/24 ND 0.0250 1 11/13/24 11/18/24 ND 0.0500 1 11/13/24 11/18/24 ND 0.0250 1 11/13/24 11/18/24 ND 0.0250 1 11/13/24 11/18/24 mg/kg mg/kg Analyst: BA ND 20.0 1 11/13/24 11/18/24 MD 20.0 1 11/13/24 11/18/24 mg/kg mg/kg Analyst: BA ND 25.0 1 11/13/24 11/18/24 ND 25.0 1 11/13/24 11/15/24 ND 50.0 1 11/13/24 11/15/24 ND 50.0 1 11/13/24 11/15/24 M



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 52'

		E411119-27						
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2446083		
Benzene	ND	0.0250	1	11/13/24	11/18/24			
Ethylbenzene	ND	0.0250	1	11/13/24	11/18/24			
Toluene	ND	0.0250	1	11/13/24	11/18/24			
o-Xylene	ND	0.0250	1	11/13/24	11/18/24			
p,m-Xylene	ND	0.0500	1	11/13/24	11/18/24			
Total Xylenes	ND	0.0250	1	11/13/24	11/18/24			
Surrogate: 4-Bromochlorobenzene-PID		96.2 %	70-130	11/13/24	11/18/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2446083		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/18/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.4 %	70-130	11/13/24	11/18/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2446104		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24			
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24			
Surrogate: n-Nonane		122 %	50-200	11/13/24	11/15/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2446113		
Chloride	128	20.0	1	11/14/24	11/14/24			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 54' E411119-28

		E-11117-20				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analy	vst: BA		Batch: 2446083
Benzene	ND	0.0250	1	11/13/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/18/24	
Toluene	ND	0.0250	1	11/13/24	11/18/24	
o-Xylene	ND	0.0250	1	11/13/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	11/13/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2446083
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.6 %	70-130	11/13/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2446104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/15/24	
Surrogate: n-Nonane		121 %	50-200	11/13/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: JM		Batch: 2446113
Chloride	127	20.0	1	11/14/24	11/14/24	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

BH13 55' E411119-29

		E411119-29				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2446083
Benzene	ND	0.0250	1	11/13/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/18/24	
Toluene	ND	0.0250	1	11/13/24	11/18/24	
o-Xylene	ND	0.0250	1	11/13/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	11/13/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2446083
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.9 %	70-130	11/13/24	11/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2446104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/16/24	
Surrogate: n-Nonane		121 %	50-200	11/13/24	11/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2446113
Chloride	131	20.0	1	11/14/24	11/14/24	



Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

Carlsbad NM, 88220		Project Number: Project Manager:		nna Byers				11	/19/2024 11:07:36AM		
Volatile Organics by EPA 8021B Analyst: BA											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2446066-BLK1)						I	Prepared: 1	1/12/24 An	alyzed: 11/18/24		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
o-Xylene	ND	0.0250									
o,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.3	70-130					
LCS (2446066-BS1)						I	Prepared: 1	1/12/24 An	alyzed: 11/18/24		
Benzene	5.86	0.0250	5.00		117	70-130					
Ethylbenzene	5.63	0.0250	5.00		113	70-130					
Toluene	5.76	0.0250	5.00		115	70-130					
o-Xylene	5.63	0.0250	5.00		113	70-130					
p,m-Xylene	11.4	0.0500	10.0		114	70-130					
Total Xylenes	17.1	0.0250	15.0		114	70-130					
Surrogate: 4-Bromochlorobenzene-PID	7.88		8.00		98.5	70-130					
LCS Dup (2446066-BSD1)						I	Prepared: 1	1/12/24 An	alyzed: 11/18/24		
Benzene	5.17	0.0250	5.00		103	70-130	12.6	20			
Ethylbenzene	4.99	0.0250	5.00		99.9	70-130	12.0	20			
Toluene	5.08	0.0250	5.00		102	70-130	12.5	20			
o-Xylene	4.98	0.0250	5.00		99.7	70-130	12.1	20			
p,m-Xylene	10.2	0.0500	10.0		102	70-130	11.9	20			
Total Xylenes	15.1	0.0250	15.0		101	70-130	12.0	20			

70-130



Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

Carlsbad NM, 88220		Project Number		nna Byers				1	1/19/2024 11:07:36AM
Volatile Organics by EPA 8021B									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446083-BLK1)							Prepared: 1	1/13/24 Ar	nalyzed: 11/18/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.78		8.00		84.7	70-130			
LCS (2446083-BS1)							Prepared: 1	1/13/24 Ar	nalyzed: 11/18/24
Benzene	5.23	0.0250	5.00		105	70-130			
Ethylbenzene	5.03	0.0250	5.00		101	70-130			
Toluene	5.15	0.0250	5.00		103	70-130			
o-Xylene	4.96	0.0250	5.00		99.1	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.73		8.00		84.2	70-130			
LCS Dup (2446083-BSD1)							Prepared: 1	1/13/24 Ar	nalyzed: 11/18/24
Benzene	5.41	0.0250	5.00		108	70-130	3.26	20	
Ethylbenzene	5.19	0.0250	5.00		104	70-130	3.30	20	
Toluene	5.31	0.0250	5.00		106	70-130	3.15	20	
o-Xylene	5.14	0.0250	5.00		103	70-130	3.63	20	
p,m-Xylene	10.5	0.0500	10.0		105	70-130	3.22	20	
Total Xylenes	15.7	0.0250	15.0		104	70-130	3.36	20	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

Carlsbad NM, 88220		Project Manager		nna Byers				11	/19/2024 11:07:36A
	Non	Nonhalogenated Organics by EPA 8015D - GRO							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446066-BLK1)							Prepared: 1	1/12/24 An	alyzed: 11/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.1	70-130			
LCS (2446066-BS2)							Prepared: 1	1/12/24 An	alyzed: 11/18/24
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0		89.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			
LCS Dup (2446066-BSD2)							Prepared: 1	1/12/24 An	alyzed: 11/18/24
Gasoline Range Organics (C6-C10)	45.6	20.0	50.0		91.3	70-130	2.13	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.6	70-130			

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

Carlsbad NM, 88220		Project Manager	r: Ar	nna Byers					11/19/2024 11:07:36
	Non	halogenated	Organics l	by EPA 801	15D - G	RO			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446083-BLK1)							Prepared: 1	1/13/24 A	analyzed: 11/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			
LCS (2446083-BS2)							Prepared: 1	1/13/24 A	analyzed: 11/18/24
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0		80.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			
LCS Dup (2446083-BSD2)							Prepared: 1	1/13/24 A	analyzed: 11/18/24
Gasoline Range Organics (C6-C10)	39.6	20.0	50.0		79.2	70-130	2.01	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	·
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				11.	/19/2024 11:07:36A
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446094-BLK1)							Prepared: 1	1/13/24 Ana	alyzed: 11/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	49.8		50.0		99.6	50-200			
LCS (2446094-BS1)							Prepared: 1	1/13/24 Ana	alyzed: 11/14/24
Diesel Range Organics (C10-C28)	238	25.0	250		95.3	38-132			
urrogate: n-Nonane	47.4		50.0		94.8	50-200			
Matrix Spike (2446094-MS1)				Source:	E411119-0)5	Prepared: 1	1/13/24 Ana	alyzed: 11/14/24
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132			
urrogate: n-Nonane	50.0		50.0		99.9	50-200			
Matrix Spike Dup (2446094-MSD1)				Source:	E411119-()5	Prepared: 1	1/13/24 Ana	alyzed: 11/14/24
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	1.48	20	
urrogate: n-Nonane	51.5		50.0		103	50-200			



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				11	1/19/2024 11:07:36AN
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: NV									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446104-BLK1)							Prepared: 1	1/13/24 An	alyzed: 11/15/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	63.2		50.0		126	50-200			
LCS (2446104-BS1)							Prepared: 1	1/13/24 An	alyzed: 11/15/24
Diesel Range Organics (C10-C28)	259	25.0	250		104	38-132			
Surrogate: n-Nonane	55.0		50.0		110	50-200			
Matrix Spike (2446104-MS1)				Source:	E411119-2	25	Prepared: 1	1/13/24 An	alyzed: 11/15/24
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	57.1		50.0		114	50-200			
Matrix Spike Dup (2446104-MSD1)				Source:	E411119-2	25	Prepared: 1	1/13/24 An	alyzed: 11/15/24
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	38-132	3.93	20	
Surrogate: n-Nonane	59.4		50.0		119	50-200			

LCS Dup (2446113-BSD1)

Chloride

Prepared: 11/13/24 Analyzed: 11/14/24

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/2024 11:07:36AM

		Anions	by EPA 3	00.0/9056 <i>A</i>	\				Analyst: JM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2446113-BLK1)						I	Prepared: 1	1/13/24 Anal	yzed: 11/14/24
Chloride	ND	20.0							
LCS (2446113-BS1)						I	Prepared: 1	1/13/24 Anal	yzed: 11/14/24
Chloride	254	20.0	250		102	90-110			

250

20.0

102

90-110

0.0987



WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number Project Manager	: 0	Cast Pecos 22-3 1058-0007 Anna Byers	Produced	Water Ga	thering Line	1	Reported: 1/19/2024 11:07:36AM
		Anions	by EPA	300.0/9056	4				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits		RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2446121-BLK1)							Prepared: 11	1/14/24 Ar	nalyzed: 11/16/24
Chloride	ND	20.0							
LCS (2446121-BS1)							Prepared: 1	1/14/24 Ar	nalyzed: 11/16/24
Chloride	252	20.0	250	·	101	90-110		·	
LCS Dup (2446121-BSD1)							Prepared: 1	1/14/24 Ar	nalyzed: 11/16/24
Chloride	253	20.0	250		101	90-110	0.167	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:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	11/19/24 11:07

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

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of 10
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Client: W	PX Energy	/ Permiar	11C		Page	'1		Bill To		Bulbala	20.40	िंधीव	h He	å Dál	0 07	gas.	5,500 5,500	· ·-··		TA		FDAI	Program
	st Pecos 22-			horing Line		Assons	ion: lim Dala			Lab 1	UO#					ber		10	מכו	3D	Standard	CWA	SDWA
	lanager: /			tictang Earle		Attention: Jim Raley Address: 5315 Buena Vista Dr.			E4	771	19		Ain	Υ Σ:	ÎO S	7	10		-	5 day TAT	CTTA	30117	
	13000 W							Isbad, NM, 88220			ш					d Me			í		120755		RCRA
	e, Zip_Od				i		: 575-885-75						Ė									-	1
	32-305-64						jim.raley@d			1	g									l	F	State	<u> </u>
Email: De	von-team	n@eteche	env.com			WO: 21255735			1	ڇ										NMI CO	UT A	TXT I	
C-11	i kon en a			<u>-</u> -				14039576 and nAB1	1616628496		TPH GRO/DRO/ORO by 8015	121	9	01	0.00		Anton	MM		×			
	by: Edyte	2 Konan			\$17°	1			Properties	€	Ω	ğ.	y 82	99	÷		₹]	· I	×	<u> </u>	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample IC)	Lab Númber			Depth(ft.)	тън 6	BTEX by 802	VOC by 8260	Metals 6010	Chloride 300.0	ğ	Cation/	BGDOC		3000		Remark	s	
15:00	11.08.24	S	1	<u></u>			BH13	_		0.5								X					
15:05	11.08.24	s	1				ВН13	· -	2	2'					:			x					
15:10	11.08.24	s	1	BH13			3	4'								х							
15:15	11.08.24	\$	1	BH13			4	6'								x					-		
15:20	11.08.24	S	1	BH13		5	8'								x					•			
15:25	11.08.24	s	1	BH13		6	10'								x								
15:30	11.08.24	5	1				BH13		17	12'								х					
15:35	11.08.24	ş	1				BH13		8	14'								х					
15:40	11.08.24	s	1				BH13		9	16'					\dashv			x	-	\dashv			
15:45	11.08.24	\$	1				BH13		10	18'					\dashv			×		\dashv			
Addition	al Instruc	tions:		1					#55.53.53.53.5	<u> </u>									L I				
				city of this sai				r intentionally mislabelled by: EX	ing the sample	ocation,	1					_					sived on los the day °C on subsequent d		ied or received
	d by (Sign)				Time		ceived by: (Sign		Date		Time			र हिंद	1.5	5100	17.47	ंगाः	ıb Us	a Onl	0-122 NOVE		
•	144	-		1/24	20:0	छ /	Machelle.	Gansales	11-11-2	14	عر	200)	Rece	ived	on ic	e:			E OIII			
	d by (Sign			224	<u> </u>	O L		t/		14	Time	24	ω.	T1		Ned S		T2			_ <u>13</u>		
Relinguishe	d by: (Signa	iture) ¯	Date	12.24	7. W	60 K	Cetter Court	nature) Man	11.12.2	4	9:	45	-	AVG	Tem	p°C	4) 10.					
				ueous, O - O	ther		<u> </u>		Container	Type: g	g - gla	55, P	- poly	/plas	tic, ag	- am	ber g	lass,	v - VC)A			
						ess other a	arrangements a	re made. Hazardous	samples will	be retu	rned t	to clle	nt or o	dispos	ed of	at the	dient	expe	ense.	The re	port for the an	lysis 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.

Chain of Custody



envirotech

Project Information

Page __2__ of __3_

Chain	of	Custody
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Client: WPX Energy Permian, LLC.				Bill To				La	b Ùs	Jse Ońly : 학교 등학교 역사						TA	ίŤ		rogram			
Project: East Pecos 22-3 Produced Water Gathering Line Project Manager: Anna Byers			hering Line		Attention: Jim Raley			YO#.	. ^		Job Number 2003:0007				1D	2D	3D	_	ndard	CWA	SDWA	
						Address: 5315 Buena Vista Dr.		EGIIIA											5 day TAT			
Address: 13000 W County Rd 100				<u> </u>		City, State, Zip: Carlsbad, NM, 88220						\naly:	sis an	d Me	thod							RCRA
City, State, Zip_Odessa,TX, 79765						Phone: 575-885-7502			2	1		li						. 1			<u></u>	
	32-305-64				$\mathcal{G} = g(x)$	Email: im.raley@dvn.com			8									i I	1 H		State	
Email: De	von-team	1@etecne	env.com			WO: 21255735			ğ					ŀ					լ	NM CO	UT AZ	TX
						Incident ID: nAB1614039576 and nAB1616628496			🖔		:		_			_					: !	1 1
Collected	by: Edyte	Konan) 20/0/	, 8023	8260	6010	e 300.0		Amion	NN.		*	L	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	TPH GRD/DRO/ORC by 8015	BTEX by 802:	VOC by 8260	Metals 6010	Chloride 300.0	ě	Catlon/ Anlon	BGDOC		GDOC			Remarks	
15:50	11.08.24	S	1			BH13	11.	20'								х			T			
15:55	11.08.24	s	1			BH13	12	22'								х			T	-		
16:00	11.08.24	s	1			BH13	13	24'								x						
16:05	11.08.24	s	1		BH13		14	26'								х						
16:10	11.08.24	\$	1		BH13		15	28'								×						·
16:15	11.08.24	s	1	BH13		16	30,			·					х							
16:20	11.08.24	s	1			BH13	17	32,								x				•		
16:25	11.08.24	S	1			BH13	18	34'								х						
16:30	11.08.24	S	1			BH13	19	36'								х						
16:35	11.08.24	S	1			BH1 3	20	38'								×						
Addition	al Instruct	tions:							•													
date or time	of collection	is considered		city of this sample. It way be grounds for te		are that tampering with or intentionally mislabelin on. <u>Sampled by: EK</u>	ig the sample fo	ocation,			_	Samples requiring thermal preservation must be received on toe the day they are sampled or received packed in toe at an avg temp above 0 but less than 6 °C on subsequent days.										
Relinquished by: (Signature) Date IIII 24 ZO 20 Michaele Gonzales							Date	14	Time JC	205	,	Rece	ived	on ic	e:	/ 3	b Us / N	e Onl	ý			
Relinquished by: (Signature) Date Time Received by: (Signature)							11.12.	ιų	Time	74		II 12 13 13										
Relinquished by: [Signature] Date Time 1/-12.04 2400 Could Mar							11.12.2	4	" :	45	-	AVG	Tem	p °C_								
ample Matr	x: 5 - Soil, \$d	- Soild, Sg - S	Sludge, A - A	queous, O - Other			Container 1	Type: ¿	s - glas	is, p -	poly	/plast	tic, a	- am	ber g	lass,	v - V(DĀ				
Note: Samp	les are disc	arded 30 da	ays after re	sults are reported	unles	other arrangements are made. Hazardous	samples will b	be retu	rned t	o clier	nt or a	lispos	ed of	at the	client	expe	лse.	The re	port fo	or the anal	ysis of the	above
samples is a	ppSicable o	nly to those	e samples r	eceived by the lab	orator	y with this COC. The liability of the laborator	y Is limited to	the an	nount	pald fo	or on	the re	port.									



envirotech 1081

roject Ir	formatio	n					Chain of	Custo	dy												Page3
Client: W	PX Energy	v Permiai	n. LLC.		89808	Bill	To	2000		12	h Us	e On	lv					TA	Г	EPA Pro	ogram
						tention: Jim Raley							Num	ber		1D	2D	3D T	Standard	CWA	SDWA
-	lanager: /					dress: 5315 Buena Vi	E	Lab WO# E 41/119			01058.0007							5 day TAT			
	13000 W				Ci	ty, State, Zip: Carlsbac	l, NM, 88220			•				d Me					75 00		RCRA
	e, Zip_Od		79765		Pł	none: 575-885-7502			5												
	32-305-64				Er	nail: jim.raley@dvn.co	m		801						- 1	- 1				State	
Email: De	von-team	n@eteche	env.com		W	O: 21255735		1	O by										NM CO	UT AZ	TX
Collected	by: Edyte	e Konan			In	Incident ID: nAB1614039576 and nAB1616628496				8021	8260	5010	e 300.0		Anion	ΣN		¥	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8023	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	BGDOC		GDOC		Remarks	
16:40	11.08.24	S	1			BH13	21	40'								х					
16:45	11.08.24	S	1			BH13	22	42'								х					
16:50	11.08.24	S	1		BH13											х					
16:55	11.08.24	S	1		BH13											х					
17:00	11.08.24	S	1		BH13											х					
17:05	11.08.24	S	1		BH13											х					
17:10	11.08.24	S	1			BH13	27	52'								х	w1				
17:15	11.08.24	S	1			BH13	28	54'								х					
17:20	11.08.24	S	1			BH13	29	55'								х					
Addition	al Instruc	tions:																-			
					nple. I am aware		ionally mislabelling the sample	location	٦,			1							ived on ice the day t C on subsequent day		or received
Relinquish	d by: (Signa	eture)	Date		Time 28 : 00	Received by: (Signature	consider 11-11:	24		00	D	Rece	eived	on ic	ce:	La	b Use / N	Only	y		
Mic	d by: (Signa	Jong		12:24	Time 40	Received by: (Signature	M. 11/-12	14	Time	74	0	T1				T2			<u></u>	- 2	
Relinquishe	by: (Signa	ature)	Date	12.24	2400	Received by: (Signature	non 11.12:	24	9.	45	5	AVG	i Ten	p°C_	4	/_					
ample Mati	ix: S - Soil, Sd			queous, O - Ot			Container	Type:	g - gl	ass, p	- pol	y/plas	stic, a	g - am	ber g	lass,	v - VO	A			



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envirotech Inc.

Printed: 11/13/2024 9:51:07AM

Envirotech Analytical Laboratory

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:	11/12/24	09:45		Work Order ID:	E411119
Phone:	(575) 200-6754	Date Logged In:	11/12/24	11:09		Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	11/18/24	17:00 (4 day TAT)			
Chain o	f Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
2. Does	the number of samples per sampling site location ma	tch the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was tl	ne COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		Yes			Comment	rs/Resolution
Sample	Turn Around Time (TAT)						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was tl	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	s, were custody/security seals intact?		NA				
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
	Container						
	aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field La	· · ·						
	e field sample labels filled out with the minimum info	ormation:					
	Sample ID?		Yes				
]	Date/Time Collected?		Yes	L			
(Collectors name?		No				
	<u>Preservation</u>						
	the COC or field labels indicate the samples were pr	reserved?	No				
	sample(s) correctly preserved?		NA				
24. Is lat	o filteration required and/or requested for dissolved n	netals'?	No				
Multiph	ase Sample Matrix						
	the sample have more than one phase, i.e., multipha		No				
27. If ye	s, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcont	ract Laboratory						
	samples required to get sent to a subcontract laborato a subcontract laboratory specified by the client and it	-	No NA	Subcontract Lab:	: NA		
Client l	nstruction						
Chent	<u>iisti uction</u>						

Date

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

Report to:
Anna Byers



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: East Ped

East Pecos 22-3 Produced Water

Gathering Line

Work Order: E506096

Job Number: 01058-0007

Received: 6/13/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/18/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 6/18/25

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E506096

Date Received: 6/13/2025 7:00:28AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/13/2025 7:00:28AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Sample Summary

ſ	WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reporteu.
l	Carlsbad NM, 88220	Project Manager:	Anna Byers	06/18/25 14:50

Client Sample ID	Lab Sample ID M	latrix	Sampled	Received	Container
BH14 0.5'	E506096-01A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
BH14 1'	E506096-02A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
BH14 2'	E506096-03A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
BH14 3'	E506096-04A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
BH14 4'	E506096-05A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
BH15 0.5'	E506096-06A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
BH15 1'	E506096-07A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
BH15 2'	E506096-08A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
BH15 3'	E506096-09A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
BH15 4'	E506096-10A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
BH16 0.5'	E506096-11A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
BH16 1'	E506096-12A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
BH16 2'	E506096-13A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
BH16 3'	E506096-14A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
BH16 4'	E506096-15A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
BH17 0.5'	E506096-16A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
BH17 1'	E506096-17A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
BH17 2'	E506096-18A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
BH17 3'	E506096-19A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
BH17 4'	E506096-20A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH14 0.5' E506096-01

		E300070-01					
Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA	<u></u>	Batch: 2524119
Benzene	ND	0.0250	1		06/13/25	06/14/25	
Ethylbenzene	ND	0.0250	1		06/13/25	06/14/25	
Toluene	ND	0.0250	1		06/13/25	06/14/25	
o-Xylene	ND	0.0250	1		06/13/25	06/14/25	
p,m-Xylene	ND	0.0500	1		06/13/25	06/14/25	
Total Xylenes	ND	0.0250	1		06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		102 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		102 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	mg/kg Analyst: BA			Batch: 2524119	
Gasoline Range Organics (C6-C10)	ND	20.0	1		06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		102 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		102 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KH		Batch: 2524126
Diesel Range Organics (C10-C28)	ND	25.0	1		06/13/25	06/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1		06/13/25	06/17/25	
Surrogate: n-Nonane		103 %	61-141		06/13/25	06/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2524134
	87.5	20.0	1		06/13/25	06/13/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH14 1'

E506096-02							
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2524119
Benzene	ND	0.0250	1	1	06/13/25	06/14/25	
Ethylbenzene	ND	0.0250		1	06/13/25	06/14/25	
Toluene	ND	0.0250		1	06/13/25	06/14/25	
o-Xylene	ND	0.0250		1	06/13/25	06/14/25	
p,m-Xylene	ND	0.0500		1	06/13/25	06/14/25	
Total Xylenes	ND	0.0250	1	1	06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		103 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		102 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2524119
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		103 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		102 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KH		Batch: 2524126
Diesel Range Organics (C10-C28)	ND	25.0		1	06/13/25	06/17/25	
Oil Range Organics (C28-C36)	ND	50.0		1	06/13/25	06/17/25	
Surrogate: n-Nonane		98.3 %	61-141		06/13/25	06/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2524134
Chloride	231	20.0		1	06/13/25	06/13/25	·



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH14 2'

E506096-03							
Reporting							
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2524119
Benzene	ND	0.0250	1	1	06/13/25	06/14/25	
Ethylbenzene	ND	0.0250	1	[06/13/25	06/14/25	
Toluene	ND	0.0250	1	[06/13/25	06/14/25	
o-Xylene	ND	0.0250	1	[06/13/25	06/14/25	
p,m-Xylene	ND	0.0500	1	l	06/13/25	06/14/25	
Total Xylenes	ND	0.0250	1	l	06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		100 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		101 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2524119
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		100 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		101 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KH		Batch: 2524126
Diesel Range Organics (C10-C28)	ND	25.0	1		06/13/25	06/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	[06/13/25	06/17/25	
Surrogate: n-Nonane		103 %	61-141		06/13/25	06/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2524134
Chloride	75.1	20.0	1		06/13/25	06/13/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH14 3'

E506096-04							
Reporting							
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: l	BA		Batch: 2524119
Benzene	ND	0.0250	1	1	06/13/25	06/14/25	
Ethylbenzene	ND	0.0250	1	l	06/13/25	06/14/25	
Toluene	ND	0.0250	1	l	06/13/25	06/14/25	
o-Xylene	ND	0.0250	1	l	06/13/25	06/14/25	
p,m-Xylene	ND	0.0500	1	l	06/13/25	06/14/25	
Total Xylenes	ND	0.0250	1	l	06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		104 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		103 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: l	ВА		Batch: 2524119
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		104 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		103 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: l	KH		Batch: 2524126
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/13/25	06/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	l	06/13/25	06/17/25	
Surrogate: n-Nonane		96.1 %	61-141		06/13/25	06/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: l	Y		Batch: 2524134
Chloride	20.7	20.0	1	1	06/13/25	06/13/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH14 4'

		E506096-05					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2524119
Benzene	ND	0.0250		1	06/13/25	06/14/25	
Ethylbenzene	ND	0.0250		1	06/13/25	06/14/25	
Toluene	ND	0.0250		1	06/13/25	06/14/25	
o-Xylene	ND	0.0250		1	06/13/25	06/14/25	
p,m-Xylene	ND	0.0500		1	06/13/25	06/14/25	
Total Xylenes	ND	0.0250		1	06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		103 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		103 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2524119
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		103 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		103 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KH		Batch: 2524126
Diesel Range Organics (C10-C28)	ND	25.0		1	06/13/25	06/17/25	
Oil Range Organics (C28-C36)	ND	50.0		1	06/13/25	06/17/25	
Surrogate: n-Nonane		98.4 %	61-141		06/13/25	06/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2524134
Chloride	48.7	20.0		1	06/13/25	06/13/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH15 0.5' E506096-06

D 1	Reporting	F.''		D 1		N.
Kesult	Limit	Dilt	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	: BA		Batch: 2524119
ND	0.0250		1	06/13/25	06/14/25	
ND	0.0250		1	06/13/25	06/14/25	
ND	0.0250		1	06/13/25	06/14/25	
ND	0.0250		1	06/13/25	06/14/25	
ND	0.0500		1	06/13/25	06/14/25	
ND	0.0250		1	06/13/25	06/14/25	
	103 %	70-130		06/13/25	06/14/25	
	98.2 %	70-130		06/13/25	06/14/25	
	103 %	70-130		06/13/25	06/14/25	
mg/kg	mg/kg		Analyst: BA			Batch: 2524119
ND	20.0		1	06/13/25	06/14/25	
	103 %	70-130		06/13/25	06/14/25	
	98.2 %	70-130		06/13/25	06/14/25	
	103 %	70-130		06/13/25	06/14/25	
mg/kg	mg/kg		Analyst:	: KH		Batch: 2524126
ND	25.0		1	06/13/25	06/17/25	
ND	50.0		1	06/13/25	06/17/25	
	101 %	61-141		06/13/25	06/17/25	
mg/kg	mg/kg		Analyst	: IY		Batch: 2524134
56.1	20.0		1	06/13/25	06/13/25	
	ND ND ND ND ND ND ND ND ND ND ND ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 103 % 98.2 % 103 % mg/kg ND 20.0 103 % 98.2 % 103 % mg/kg Mg/kg mg/kg ND 25.0 ND 50.0 101 % mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 103 % 70-130 98.2 % 70-130 103 % 70-130 mg/kg mg/kg ND 20.0 103 % 70-130 103 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 101 % 61-141 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 103 % 70-130 98.2 % 70-130 mg/kg mg/kg Analyst ND 20.0 1 103 % 70-130 1 mg/kg mg/kg Analyst ND 25.0 1 ND 50.0 1 101 % 61-141 mg/kg mg/kg Analyst	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 06/13/25 ND 0.0250 1 06/13/25 ND 0.0250 1 06/13/25 ND 0.0250 1 06/13/25 ND 0.0500 1 06/13/25 ND 0.0250 1 06/13/25 ND 0.0250 1 06/13/25 98.2 % 70-130 06/13/25 98.2 % 70-130 06/13/25 103 % 70-130 06/13/25 98.2 % 70-130 06/13/25 98.2 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 ND 25.0	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/13/25 06/14/25 ND 0.0500 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 98.2 % 70-130 06/13/25 06/14/25 98.2 % 70-130 06/13/25 06/14/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/13/25 06/14/25 98.2 % 70-130 06/13/25 06/14/25 103 % 70-130 06/13/25 06/14/25 103 %



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH15 1' E506096-07

	D 1	Reporting				N
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: BA		Batch: 2524119
Benzene	ND	0.0250	1	06/13/25	06/14/25	
Ethylbenzene	ND	0.0250	1	06/13/25	06/14/25	
Toluene	ND	0.0250	1	06/13/25	06/14/25	
o-Xylene	ND	0.0250	1	06/13/25	06/14/25	
p,m-Xylene	ND	0.0500	1	06/13/25	06/14/25	
Total Xylenes	ND	0.0250	1	06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		103 %	70-130	06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	06/13/25	06/14/25	
Surrogate: Toluene-d8		101 %	70-130	06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: BA	Batch: 2524119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		103 %	70-130	06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	06/13/25	06/14/25	
Surrogate: Toluene-d8		101 %	70-130	06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KH		Batch: 2524126
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/25	06/17/25	_
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/25	06/17/25	
Surrogate: n-Nonane		98.2 %	61-141	06/13/25	06/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: IY		Batch: 2524134
Chloride	63.9	20.0	1	06/13/25	06/13/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH15 2'

		E506096-08					
Reporting							
Analyte	Result	Limit	Dilut	tion Prepare	ed Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: BA		Batch: 2524119	
Benzene	ND	0.0250	1	06/13/2	25 06/14/25		
Ethylbenzene	ND	0.0250	1	06/13/2	25 06/14/25		
Toluene	ND	0.0250	1	06/13/2	25 06/14/25		
o-Xylene	ND	0.0250	1	06/13/2	25 06/14/25		
p,m-Xylene	ND	0.0500	1	06/13/2	25 06/14/25		
Total Xylenes	ND	0.0250	1	06/13/2	25 06/14/25		
Surrogate: Bromofluorobenzene		101 %	70-130	06/13/2	25 06/14/25		
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	06/13/2	25 06/14/25		
Surrogate: Toluene-d8		104 %	70-130	06/13/2	25 06/14/25		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: BA		Batch: 2524119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/2	25 06/14/25		
Surrogate: Bromofluorobenzene		101 %	70-130	06/13/2	25 06/14/25		
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	06/13/2	25 06/14/25		
Surrogate: Toluene-d8		104 %	70-130	06/13/2	25 06/14/25		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: KH		Batch: 2524126	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/2	25 06/17/25	_	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/2	25 06/17/25		
Surrogate: n-Nonane		96.0 %	61-141	06/13/2	25 06/17/25		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: IY		Batch: 2524134	

20.0

06/13/25

06/13/25

36.2



Chloride

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH15 3' E506096-09

Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst		1 mary zea	Batch: 2524119
Volatile Organic Compounds by EPA 8260B	ND	0.0250		1	06/13/25	06/14/25	Batch: 2324117
Benzene	ND ND	0.0250		1	06/13/25	06/14/25	
Ethylbenzene Toluene	ND ND	0.0250		1	06/13/25	06/14/25	
	ND ND	0.0250		1	06/13/25	06/14/25	
o-Xylene	ND ND	0.0230		1	06/13/25	06/14/25	
p,m-Xylene	ND ND	0.0300		1	06/13/25	06/14/25	
Total Xylenes	ND			•			
Surrogate: Bromofluorobenzene		104 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		101 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2524119
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		104 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		101 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KH		Batch: 2524126
Diesel Range Organics (C10-C28)	ND	25.0		1	06/13/25	06/17/25	
Oil Range Organics (C28-C36)	ND	50.0		1	06/13/25	06/17/25	
Surrogate: n-Nonane		99.8 %	61-141		06/13/25	06/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: IY		Batch: 2524134
Chloride	50.3	20.0		1	06/13/25	06/13/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH15 4' E506096-10

Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
	mg/kg	mg/kg	D1	Analyst:		7 Hary Zea	Batch: 2524119
Volatile Organic Compounds by EPA 8260B				1	06/13/25	06/14/25	Batch. 2324119
Benzene	ND	0.0250		1	06/13/25	06/14/25	
Ethylbenzene	ND	0.0250		1			
Toluene	ND	0.0250		1	06/13/25	06/14/25	
o-Xylene	ND	0.0250		1	06/13/25	06/14/25	
p,m-Xylene	ND	0.0500		1	06/13/25	06/14/25	
Total Xylenes	ND	0.0250		1	06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		101 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		101 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: BA		Batch: 2524119
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		101 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		101 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KH		Batch: 2524126
Diesel Range Organics (C10-C28)	ND	25.0	_	1	06/13/25	06/17/25	
Oil Range Organics (C28-C36)	ND	50.0		1	06/13/25	06/17/25	
Surrogate: n-Nonane		99.4 %	61-141		06/13/25	06/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: IY		Batch: 2524134
Chloride	131	20.0		1	06/13/25	06/13/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH16 0.5' E506096-11

	E300070-11				
Damlt	Reporting		ion Duone I	A malvers J	Notes
Result	Limit	Diluti	ion Prepared	Anaiyzed	Notes
mg/kg	mg/kg	A	analyst: BA		Batch: 2524119
ND	0.0250	1	06/13/25	06/14/25	
ND	0.0250	1	06/13/25	06/14/25	
ND	0.0250	1	06/13/25	06/14/25	
ND	0.0250	1	06/13/25	06/14/25	
ND	0.0500	1	06/13/25	06/14/25	
ND	0.0250	1	06/13/25	06/14/25	
	102 %	70-130	06/13/25	06/14/25	
	101 %	70-130	06/13/25	06/14/25	
	100 %	70-130	06/13/25	06/14/25	
mg/kg	mg/kg	A	analyst: BA		Batch: 2524119
ND	20.0	1	06/13/25	06/14/25	
	102 %	70-130	06/13/25	06/14/25	
	101 %	70-130	06/13/25	06/14/25	
	100 %	70-130	06/13/25	06/14/25	
mg/kg	mg/kg	A	analyst: KH		Batch: 2524126
ND	25.0	1	06/13/25	06/17/25	
ND	50.0	1	06/13/25	06/17/25	
	96.8 %	61-141	06/13/25	06/17/25	
ma/ka	mg/kg	А	analyst: IY		Batch: 2524134
mg/kg	mg/kg				Battern 202 110 .
	ND ND ND ND ND ND ND ND ND ND ND ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IO 0.0250 IO 0.0250 IO % I	Reporting Result Limit Dilut mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 101 % 70-130 101 % 70-130 mg/kg mg/kg A ND 20.0 1 102 % 70-130 1 100 % 70-130 1 mg/kg mg/kg A ND 25.0 1 ND 50.0 1 96.8 % 61-141	Reporting Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 06/13/25 ND 0.0250 1 06/13/25 ND 0.0250 1 06/13/25 ND 0.0250 1 06/13/25 ND 0.0500 1 06/13/25 ND 0.0250 1 06/13/25 101 % 70-130 06/13/25 101 % 70-130 06/13/25 100 % 70-130 06/13/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/13/25 100 % 70-130 06/13/25 100 % 70-130 06/13/25 100 % 70-130 06/13/25 100 % 70-130 06/13/25 ND 25.0 1 06/13/25 ND 50.0 1 06/13/25 ND 50.0 1 06/13/25	Reporting Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/13/25 06/14/25 ND 0.0500 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 102 % 70-130 06/13/25 06/14/25 101 % 70-130 06/13/25 06/14/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/13/25 06/14/25 102 % 70-130 06/13/25 06/14/25 100 % 70-130 06/13/25 06/14/25 100 % 70-130 06/13/25 06/14/25 <



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH16 1'

		E506096-12					
		Reporting					
Analyte	Result	Limit	Dilut	tion Prep	ared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: BA			Batch: 2524119
Benzene	ND	0.0250	1	06/1	3/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/1	3/25	06/13/25	
Toluene	ND	0.0250	1	06/1	3/25	06/13/25	
o-Xylene	ND	0.0250	1	06/1	3/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/1	3/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/1	3/25	06/13/25	
Surrogate: Bromofluorobenzene		100 %	70-130	06/1	3/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	06/1	3/25	06/13/25	
Surrogate: Toluene-d8		100 %	70-130	06/1	3/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: BA			Batch: 2524119
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/1	3/25	06/13/25	
Surrogate: Bromofluorobenzene		100 %	70-130	06/1	3/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	06/1	3/25	06/13/25	
Surrogate: Toluene-d8		100 %	70-130	06/1	3/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KH			Batch: 2524126
Diesel Range Organics (C10-C28)	ND	25.0	1	06/1	3/25	06/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/1	3/25	06/17/25	
Surrogate: n-Nonane		97.1 %	61-141	06/1	3/25	06/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: IY			Batch: 2524134
Chloride	223	200	10	06/1	3/25	06/13/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH16 2'

		E506096-13					
		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: BA	L		Batch: 2524119
Benzene	ND	0.0250	1		06/13/25	06/14/25	
Ethylbenzene	ND	0.0250	1		06/13/25	06/14/25	
Toluene	ND	0.0250	1		06/13/25	06/14/25	
o-Xylene	ND	0.0250	1		06/13/25	06/14/25	
p,m-Xylene	ND	0.0500	1		06/13/25	06/14/25	
Total Xylenes	ND	0.0250	1		06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		102 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		102 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: BA			Batch: 2524119
Gasoline Range Organics (C6-C10)	ND	20.0	1		06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		102 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		102 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KF	I		Batch: 2524126
Diesel Range Organics (C10-C28)	ND	25.0	1		06/13/25	06/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1		06/13/25	06/17/25	
Surrogate: n-Nonane		98.3 %	61-141		06/13/25	06/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: IY			Batch: 2524134
Chloride	249	200	10)	06/13/25	06/13/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH16 3' E506096-14

Pagult	Reporting	Dily	ution	Dranarad	Analyzad	Notes
Result	Limit	Dilu	шоп	Frepared	Anaryzeu	notes
mg/kg	mg/kg		Analyst:	BA		Batch: 2524119
ND	0.0250	1	1	06/13/25	06/14/25	
ND	0.0250	1	1	06/13/25	06/14/25	
ND	0.0250	1	1	06/13/25	06/14/25	
ND	0.0250	1	1	06/13/25	06/14/25	
ND	0.0500	1	1	06/13/25	06/14/25	
ND	0.0250	1	1	06/13/25	06/14/25	
	102 %	70-130		06/13/25	06/14/25	
	101 %	70-130		06/13/25	06/14/25	
	100 %	70-130		06/13/25	06/14/25	
mg/kg	mg/kg		Analyst:	BA		Batch: 2524119
ND	20.0	1	1	06/13/25	06/14/25	
	102 %	70-130		06/13/25	06/14/25	
	101 %	70-130		06/13/25	06/14/25	
	100 %	70-130		06/13/25	06/14/25	
mg/kg	mg/kg		Analyst:	KH		Batch: 2524126
ND	25.0	1	1	06/13/25	06/17/25	
ND	50.0	1	1	06/13/25	06/17/25	
	97.1 %	61-141		06/13/25	06/17/25	
mg/kg	mg/kg		Analyst:	IY		Batch: 2524134
231	200	1	.0	06/13/25	06/13/25	
	ND ND ND ND ND ND ND ND ND ND ND ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IOD 100 IOD 400 IOD 100 IOD 100	Result Limit Dilu mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 102 % 70-130 101 % 70-130 100 % 70-130 101 % 70-130 100 % 70-130 100 % 70-130 100 % 70-130 100 % 70-130 100 % 70-130 100 % 70-130 100 % 70-130 100 % 70-130 100 % 70-130 100 % 70-130 100 % 70-130 100 % 70-130 100 % 70-130 100 % 70-130	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 102 % 70-130 101 % 70-130 100 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 102 % 70-130 1 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 97.1 % 61-141 mg/kg Mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 06/13/25 ND 0.0250 1 06/13/25 ND 0.0250 1 06/13/25 ND 0.0250 1 06/13/25 ND 0.0500 1 06/13/25 ND 0.0250 1 06/13/25 ND 70-130 06/13/25 101 % 70-130 06/13/25 100 % 70-130 06/13/25 102 % 70-130 06/13/25 101 % 70-130 06/13/25 101 % 70-130 06/13/25 100 % 70-130 06/13/25 100 % 70-130 06/13/25 100 % 70-130 06/13/25 100 % 70-130 06/13/25 ND 25.0 1 06/13/25 ND 50.0 1 06/13/25 ND 50.0	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/13/25 06/14/25 ND 0.0500 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 102 % 70-130 06/13/25 06/14/25 101 % 70-130 06/13/25 06/14/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/13/25 06/14/25 100 % 70-130 06/13/25 06/14/25 100 % 70-130 06/13/25 06/14/25 100 % 70-130 06/13/25 06/14/25 100 % 70-130 </td



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH16 4' E506096-15

	E300070-13				
D. coult	Reporting		Dronous d	Amalyzand	Notes
Result	Limit	Dilutio	on Prepared	Analyzed	Notes
mg/kg	mg/kg	An	nalyst: BA		Batch: 2524119
ND	0.0250	1	06/13/25	06/14/25	
ND	0.0250	1	06/13/25	06/14/25	
ND	0.0250	1	06/13/25	06/14/25	
ND	0.0250	1	06/13/25	06/14/25	
ND	0.0500	1	06/13/25	06/14/25	
ND	0.0250	1	06/13/25	06/14/25	
	103 %	70-130	06/13/25	06/14/25	
	102 %	70-130	06/13/25	06/14/25	
	103 %	70-130	06/13/25	06/14/25	
mg/kg	mg/kg	An	nalyst: BA		Batch: 2524119
ND	20.0	1	06/13/25	06/14/25	
	103 %	70-130	06/13/25	06/14/25	
	102 %	70-130	06/13/25	06/14/25	
	103 %	70-130	06/13/25	06/14/25	
mg/kg	mg/kg	An	nalyst: KH		Batch: 2524126
ND	25.0	1	06/13/25	06/17/25	
ND	50.0	1	06/13/25	06/17/25	
	97.9 %	61-141	06/13/25	06/17/25	
mg/kg	mg/kg	An	nalyst: IY		Batch: 2524134
	ND ND ND ND ND ND ND ND ND ND ND ND ND N	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IO3 % 102 % 103 % 103 % mg/kg mg/kg ND 20.0 IO3 % 102 % 103 % 103 % mg/kg mg/kg ND 25.0 ND 50.0	Reporting Result Limit Dilution mg/kg mg/kg Ar ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 103 % 70-130 102 % 70-130 103 % 70-130 mg/kg mg/kg Ar ND 20.0 1 103 % 70-130 102 % 103 % 70-130 103 % mg/kg mg/kg Ar ND 25.0 1 ND 50.0 1	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 06/13/25 ND 0.0250 1 06/13/25 ND 0.0250 1 06/13/25 ND 0.0250 1 06/13/25 ND 0.0500 1 06/13/25 ND 0.0250 1 06/13/25 103 % 70-130 06/13/25 102 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 102 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 100 % 7	Reporting Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 ND 0.0500 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 103 % 70-130 06/13/25 06/14/25 102 % 70-130 06/13/25 06/14/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/13/25 06/14/25 103 % 70-130 06/13/25 06/14/25 103 % 70-130 06/13/25 06/14/25 103 % 70-130 06/13/25 06/14/25



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH17 0.5' E506096-16

	E300070-10				
D14	Reporting		D	A	Notes
Kesuit	Limit	Diluti	ion Prepared	Anaiyzed	Notes
mg/kg	mg/kg	A	nalyst: BA		Batch: 2524119
ND	0.0250	1	06/13/25	06/14/25	
ND	0.0250	1	06/13/25	06/14/25	
ND	0.0250	1	06/13/25	06/14/25	
ND	0.0250	1	06/13/25	06/14/25	
ND	0.0500	1	06/13/25	06/14/25	
ND	0.0250	1	06/13/25	06/14/25	
	102 %	70-130	06/13/25	06/14/25	
	103 %	70-130	06/13/25	06/14/25	
	103 %	70-130	06/13/25	06/14/25	
mg/kg	mg/kg	A	analyst: BA		Batch: 2524119
ND	20.0	1	06/13/25	06/14/25	
	102 %	70-130	06/13/25	06/14/25	
	103 %	70-130	06/13/25	06/14/25	
	103 %	70-130	06/13/25	06/14/25	
mg/kg	mg/kg	A	nalyst: KH		Batch: 2524126
ND	25.0	1	06/13/25	06/17/25	
ND	50.0	1	06/13/25	06/17/25	
	96.6 %	61-141	06/13/25	06/17/25	
mg/kg	mg/kg	A	analyst: IY		Batch: 2524134
	ND ND ND ND ND ND ND ND ND ND ND ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 102 % 103 % 103 % 103 % ND 20.0 102 % 103 % 103 % 103 % 103 % 103 % ND 25.0 ND 50.0	Reporting Result Limit Dilution mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 102 % 70-130 103 % 70-130 mg/kg mg/kg A ND 20.0 1 103 % 70-130 1 103 % 70-130 1 mg/kg mg/kg A ND 25.0 1 ND 50.0 1	Reporting Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 06/13/25 ND 0.0250 1 06/13/25 ND 0.0250 1 06/13/25 ND 0.0500 1 06/13/25 ND 0.0250 1 06/13/25 ND 0.0250 1 06/13/25 102 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 102 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 ND 25.0 1 06/13/25 ND 50.0 1 06/13/25	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 ND 0.0500 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 102 % 70-130 06/13/25 06/14/25 103 % 70-130 06/13/25 06/14/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/13/25 06/14/25 103 % 70-130 06/13/25 06/14/25 103 % 70-130 06/13/25 06/14/25 103 % 70-130 06/13/25 06/14/25



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH17 1'

E506096	-17

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2524119
Benzene	ND	0.0250		1	06/13/25	06/14/25	
Ethylbenzene	ND	0.0250		1	06/13/25	06/14/25	
Toluene	ND	0.0250		1	06/13/25	06/14/25	
o-Xylene	ND	0.0250		1	06/13/25	06/14/25	
p,m-Xylene	ND	0.0500		1	06/13/25	06/14/25	
Total Xylenes	ND	0.0250		1	06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		104 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		99.7 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2524119
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		104 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		99.7 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KH		Batch: 2524126
Diesel Range Organics (C10-C28)	ND	25.0		1	06/13/25	06/17/25	
Oil Range Organics (C28-C36)	ND	50.0		1	06/13/25	06/17/25	
Surrogate: n-Nonane		100 %	61-141		06/13/25	06/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: IY		Batch: 2524134
Chloride	2440	200		10	06/13/25	06/13/25	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH17 2'

E506096-18

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2524119
Benzene	ND	0.0250		1	06/13/25	06/14/25	
Ethylbenzene	ND	0.0250		1	06/13/25	06/14/25	
Toluene	ND	0.0250		1	06/13/25	06/14/25	
o-Xylene	ND	0.0250		1	06/13/25	06/14/25	
p,m-Xylene	ND	0.0500		1	06/13/25	06/14/25	
Total Xylenes	ND	0.0250		1	06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		102 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		101 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2524119
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		102 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		101 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KH		Batch: 2524126
Diesel Range Organics (C10-C28)	ND	25.0		1	06/13/25	06/17/25	
Oil Range Organics (C28-C36)	ND	50.0		1	06/13/25	06/17/25	
Surrogate: n-Nonane		98.7 %	61-141		06/13/25	06/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: IY		Batch: 2524134
Chloride	1760	200		10	06/13/25	06/13/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH17 3' E506096-19

	E500090-19					
D acult	Reporting		tion.	Duomonod	Analyzad	Notes
Resuit	Limit	Dilut	tion	Prepared	Anaiyzed	Notes
mg/kg	mg/kg	A	Analyst: B/	A		Batch: 2524119
ND	0.0250	1		06/13/25	06/14/25	
ND	0.0250	1		06/13/25	06/14/25	
ND	0.0250	1		06/13/25	06/14/25	
ND	0.0250	1		06/13/25	06/14/25	
ND	0.0500	1		06/13/25	06/14/25	
ND	0.0250	1		06/13/25	06/14/25	
	102 %	70-130		06/13/25	06/14/25	
	103 %	70-130		06/13/25	06/14/25	
	103 %	70-130		06/13/25	06/14/25	
mg/kg	mg/kg	A	Analyst: B	A		Batch: 2524119
ND	20.0	1		06/13/25	06/14/25	
	102 %	70-130		06/13/25	06/14/25	
	103 %	70-130		06/13/25	06/14/25	
	103 %	70-130		06/13/25	06/14/25	
mg/kg	mg/kg	A	Analyst: KI	Н		Batch: 2524126
ND	25.0	1		06/13/25	06/17/25	
ND	50.0	1		06/13/25	06/17/25	
	99.6 %	61-141		06/13/25	06/17/25	
mg/kg	mg/kg	A	Analyst: IY	7		Batch: 2524134
	88					
	ND ND ND ND ND ND ND ND ND ND ND ND ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IO2 % 103 % 103 % 103 % ND 20.0 102 % 103 % 103 % 103 % 103 % 103 % Mg/kg mg/kg ND 25.0 ND 50.0 99.6 %	Reporting Result Limit Dilute mg/kg mg/kg mg/kg ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 103 % 70-130 103 % 70-130 mg/kg mg/kg 1 ND 20.0 1 103 % 70-130 1 103 % 70-130 1 mg/kg mg/kg 1 ND 25.0 1 ND 50.0 1 99.6 % 61-141	Reporting Result Limit Dilution mg/kg mg/kg Analyst: B. ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 103 % 70-130 103 % 70-130 mg/kg mg/kg Analyst: B. ND 20.0 1 103 % 70-130 103 % 70-130 mg/kg mg/kg Analyst: K. ND 25.0 1 ND 50.0 1 99.6 % 61-141	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 06/13/25 ND 0.0250 1 06/13/25 ND 0.0250 1 06/13/25 ND 0.0250 1 06/13/25 ND 0.0500 1 06/13/25 ND 0.0250 1 06/13/25 102 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 102 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 103 % 70-130 06/13/25 ND 25.0 1 06/13/25 ND	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 ND 0.0500 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 ND 0.0250 1 06/13/25 06/14/25 102 % 70-130 06/13/25 06/14/25 103 % 70-130 06/13/25 06/14/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/13/25 06/14/25 103 % 70-130 06/13/25 06/14/25 103 % 70-130 06/13/25 06/14/25 103 % 70-130 06/13/25 06/14/25



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

BH17 4' E506096-20

		E500090-20					
Analyte	Result	Reporting Limit	Dilu	ıti om	Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Dilu	шоп	rrepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2524119
Benzene	ND	0.0250	1	1	06/13/25	06/14/25	
Ethylbenzene	ND	0.0250	1	1	06/13/25	06/14/25	
Toluene	ND	0.0250	1	1	06/13/25	06/14/25	
o-Xylene	ND	0.0250	1	1	06/13/25	06/14/25	
p,m-Xylene	ND	0.0500	1	1	06/13/25	06/14/25	
Total Xylenes	ND	0.0250	1	1	06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		102 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		104 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2524119
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	06/13/25	06/14/25	
Surrogate: Bromofluorobenzene		102 %	70-130		06/13/25	06/14/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		06/13/25	06/14/25	
Surrogate: Toluene-d8		104 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KH		Batch: 2524126
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/13/25	06/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	l	06/13/25	06/17/25	
Surrogate: n-Nonane		97.7 %	61-141		06/13/25	06/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2524134
Chloride	1510	20.0	1	1	06/13/25	06/13/25	



Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

QC Summary Data

East Pecos 22-3 Produced Water Gathering Line WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Anna Byers 6/18/2025 2:50:45PM **Volatile Organic Compounds by EPA 8260B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % Notes Blank (2524119-BLK1) Prepared: 06/13/25 Analyzed: 06/13/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: Bromofluorobenzene 0.510 0.500 102 70-130

LCS (2524119-BS1)					Prep	ared: 06/13/25 Analyzed: 06/13/25
Benzene	2.54	0.0250	2.50	102	70-130	
Ethylbenzene	2.44	0.0250	2.50	97.7	70-130	
Toluene	2.36	0.0250	2.50	94.5	70-130	

0.500

0.500

102

102

70-130

70-130

2.29 2.50 91.6 70-130 0.0250 o-Xylene 91.7 4.59 5.00 70-130 p,m-Xylene 0.0500 6.88 0.0250 7.50 91.7 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.500 103 70-130 0.500 104 70-130 Surrogate: 1,2-Dichloroethane-d4 0.521 0.500 98.2 70-130 Surrogate: Toluene-d8 0.491

0.511

0.510

Matrix Spike (2524119-MS1)				Source:	E506096-	12	Prepared: 06/13/25 Analyzed: 06/13/25
Benzene	2.64	0.0250	2.50	ND	106	48-131	

Ethylbenzene 2.53 0.0250 2.50 ND 101 45-135 97.6 ND 48-130 Toluene 2.44 0.0250 2.50 o-Xylene 2.40 0.0250 2.50 ND 95.9 43-135 4.82 5.00 ND 96.3 43-135 p,m-Xylene 0.0500 Total Xylenes 7.21 0.0250 7.50 ND 96.2 43-135 102 Surrogate: Bromofluorobenzene 0.511 0.500 70-130 Surrogate: 1,2-Dichloroethane-d4 0.548 0.500 110 70-130

 Matrix Spike Dup (2524119-MSD1)
 Source: E506096-12
 Prepared: 06/13/25 Analyzed: 06/13/25

 Benzene
 2.47
 0.0250
 2.50
 ND
 98.6
 48-131
 6.93
 23

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Benzene	2.47	0.0250	2.50	ND	98.6	48-131	6.93	23		
Ethylbenzene	2.53	0.0250	2.50	ND	101	45-135	0.119	27		
Toluene	2.45	0.0250	2.50	ND	97.9	48-130	0.307	24		
o-Xylene	2.50	0.0250	2.50	ND	99.9	43-135	4.13	27		
p,m-Xylene	4.96	0.0500	5.00	ND	99.2	43-135	3.01	27		
Total Xylenes	7.46	0.0250	7.50	ND	99.5	43-135	3.38	27		
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130				
Surrogate: Toluene-d8	0.491		0.500		98.1	70-130				

Surrogate: Toluene-d8

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	_
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		058-0007 nna Byers					6/18/2025 2:50:45Pl
	Nor	nhalogenated C	organics l	by EPA 80	15D - GI	RO			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2524119-BLK1)							Prepared: 0	6/13/25	Analyzed: 06/13/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			
LCS (2524119-BS2)							Prepared: 0	6/13/25	Analyzed: 06/13/25
Gasoline Range Organics (C6-C10)	54.7	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.522		0.500		104	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			
Matrix Spike (2524119-MS2)				Source:	E506096-1	12	Prepared: 0	6/13/25	Analyzed: 06/14/25
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.556		0.500		111	70-130			
Matrix Spike Dup (2524119-MSD2)				Source:	E506096-1	12	Prepared: 0	6/13/25	Analyzed: 06/14/25
Gasoline Range Organics (C6-C10)	56.6	20.0	50.0	ND	113	70-130	4.72	20	
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			

0.500

103

70-130

0.516



QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/18/2025 2:50:45PM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers					6/18/2025 2:50:45PN
	Nonhal	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2524126-BLK1)							Prepared: 0	6/13/25 A	nalyzed: 06/17/25
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.0		50.0		96.0	61-141			
LCS (2524126-BS1)							Prepared: 0	6/13/25 A	nalyzed: 06/17/25
Diesel Range Organics (C10-C28)	240	25.0	250		96.0	66-144			
urrogate: n-Nonane	49.1		50.0		98.1	61-141			
Matrix Spike (2524126-MS1)				Source:	E506096-	17	Prepared: 0	6/13/25 A	nalyzed: 06/17/25
Diesel Range Organics (C10-C28)	250	25.0	250	ND	99.9	56-156			
urrogate: n-Nonane	50.0		50.0		100	61-141			
Matrix Spike Dup (2524126-MSD1)				Source:	E506096-	17	Prepared: 0	6/13/25 A	nalyzed: 06/17/25
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.3	56-156	2.64	20	
urrogate: n-Nonane	48.8		50.0		97.6	61-141			



QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		East Pecos 22-3	Produced		Reported:		
Carlsbad NM, 88220		Project Manager			6/18/2025 2:50:45PM				
		Anions	by EPA	300.0/9056	1				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2524134-BLK1)							Prepared: 0	6/13/25 A	analyzed: 06/13/25
Chloride	ND	20.0							
LCS (2524134-BS1)							Prepared: 0	6/13/25 A	analyzed: 06/13/25
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2524134-MS1)				Source:	E506096-	02	Prepared: 0	6/13/25 A	analyzed: 06/13/25
Chloride	499	20.0	250	231	108	80-120			
Matrix Spike Dup (2524134-MSD1)				Source:	E506096-	02	Prepared: 0	6/13/25 A	analyzed: 06/13/25
Chloride	494	20.0	250	231	106	80-120	1.01	20	

QC Summary Report Comment:

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



Definitions and Notes

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	06/18/25 14:50

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



envirotech Analytical Laboratory Received by OCD: 9/8/2025 10:49:32 AM

Chain of Custody

D 2D 3D Std x			
х			
d			
d			
	EPA Program		
	SDWA CWA RCRA		
1 1 1			
	Compliance Y or N		
¥ ¥			
BGDOC - NM	Sample Lemb Remarks		
х	4.4		
х	4.5		
х	4.1		
х	2.9		
х	4.7		
х	3.3		
х	3.9		
х	2.5		
х	2.7		
х	4.7		
y be grounds for legal	action.		
) pre	Samples requiring thermal eservation must be received or		
rec	ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on		
2	X X X X Properties of the grounds for legal pre-ice recovery.		

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

1900

6030

Time

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

subsequent days.

Lab Use Only

Received on ice:

(Y) N

ESNANGLA AMA Lales la=

f	Clie	nt Inform	nation		Invoice Information					La	b Us	se Or	nly	Cel	DI	TAT				St	tate		
Client: W	VPX Energy P				WWW.	on Energy Production	Co	Lab	MO	THE WORLD			Num	her		10		3D	Std	NIA		UT TX	T
	East Pecos 22			athering Line	Address: 5315		<u>co.</u>	- Lau	50	209	7	ni	158	m	7	10	20	30	X	X		31 17	+
	Manager: Ani		cu vvater o	denering line		Carlsbad, NM, 88220			20	20	• •	IOIC	000	VV		CONTRACT OF					a salata y		SEE ST
	13000 W Co		100		Phone: 575-885							Ana	alysis	and	Met	thod					PA Pro	gram	
	te, Zip_Odes				Email: jim.raley				-	П		T	1		·					SDWA	CW		CRA
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	MTXGeoGro		henv.com			6 and nAB161662849			12	2		1								Complia	nce	y or	N
Zelovicus)				E LANGE DE	IIIAD101403337	O allu liABIOI002043	,0		801	801	-		0.	~	S S					PWSID			
				Sample Ir	nformation				RO by	RO by	/ 802	8260	e 300	1-50	Meta		Σ	×		ole p			
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	F	Remarks	i
15:04	6/11/2025	S	1		BH16		0.5'	11									Х			4.2			
15:08	6/11/2025	S	1		BH16		1'	12									Х			3.8			
15:12	6/11/2025	S	1		BH16		2'	13									Х			4.3			
15:16	6/11/2025	S	1		BH16	(4)	3'	14									Х			3.9			
15:20	6/11/2025	S	1		BH16		4'	15									х			4.3			
13:05	6/11/2025	S	1		BH17	· · · · · · · · · · · · · · · · · · ·	0.5'	10									х			3.6			
13:10	6/11/2025	S	1		BH17		1'	17									х			4.0			
13:15	6/11/2025	S	1		BH17		2'	18	Г								Х			3.4			
13:20	6/11/2025	S	1		BH17		3'	19									Х			4.1			
13:25	6/11/2025	S	1		BH17		4'	20									х			4.2			
I, (field sam	pler), attest to the		l authenticity	of this sample. I am a	aware that tampering with	or intentionally mislabeling th	ne sample		te or ti	me of co	ollecti	on is co	onsider	ed fra	L ud and	l may b	e grou	inds for	legal		1		
	ed by: (Signatur	(9)		Date	Time	Received byz/(Signatu	re) n	8		Date				Time	Variation of the state of the s		-		9	Samples	requiring	therm:	al
	negati	2		06/12/25	7:00	Received by (Signatu	Gie	medi	ec	1	-1)	.2		3	70	00				ervation			
Relinition	ed by the patur	Fonz	aleç	Date 6.12-2	S (eOS	Received by: (Signatu	re) Han	rale	Se	Date		-25		Time	60					the day			
Relinguish	ed by: (Signatur	e)	les	6-12-25	Time	Received by: Signatu	e	poreaf	ej	Date		-25		Time	900				1.34400.5	bove 0 b		nan 6°C d	
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	trix: 5 - Soil, Sd - S		dan A Anno	us O Othos			IConta	iner Type:	a - el-	acc n	- nol	v/nla	ctic a	0 - 25	nhor	alace	V - V	00			<i>پ</i> ر		
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Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Printed: 6/13/2025 1:45:55PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	06/13/25 0	7:00	Work Order ID:	E506096
Phone:	(575) 200-6754	Date Logged In:	06/12/25 1	4:42	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	06/19/25 1	7:00 (4 day TAT)		
Chain of	Custody (COC)					
1. Does th	he sample ID match the COC?		Yes			
2. Does th	he number of samples per sampling site location ma	atch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	Ill samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		Yes		Comment	ts/Resolution
Sample T	Furn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e 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			
-	ne sample received on ice?		Yes			
	Note: Thermal preservation is not required, if samples a 15 minutes of sampling					
	COC for individual sample temps. Samples outside	of 0-C-6-C will be	recorded ii	n comments.		
	Container		3.7			
	queous VOC samples present?		No			
	/OC samples collected in VOA Vials?		NA NA			
	head space less than 6-8 mm (pea sized or less)?		NA NA			
	a trip blank (TB) included for VOC analyses?	0	NA			
	on-VOC samples collected in the correct container		Yes			
	appropriate volume/weight or number of sample conta	iners collected?	Yes			
Field Lal		?				
	field sample labels filled out with the minimum intample ID?	ormation:	Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
Sample I	Preservation					
21. Does	the COC or field labels indicate the samples were j	oreserved?	No			
22. Are s	ample(s) correctly preserved?		NA			
24. Is lab	filtration required and/or requested for dissolved n	netals?	No			
Multipha	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multiph	ase?	No			
27. If yes	s, does the COC specify which phase(s) is to be ana	lyzed?	NA			
Subconti	ract Laboratory					
	amples required to get sent to a subcontract laborat	orv?	No			
	a subcontract laboratory specified by the client and			Subcontract Lab: NA		
	nstruction_					
Chent I	iisti uction					
1						
1						

Date



Chain of Custody

Page __1_ of __2__

Received by OCD: 9/8/2025 10:49:32 AM

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	PX Energy P			6.11	Company: Deven	Energy Production	€o.W	Lab	WO	1	10		Numi		7	1D	2D	3D			1 CO UT	TX	1000
			ced wate	r Gathering Lin	Address: 5315 Bu	A DESCRIPTION OF THE PARTY OF T	,	. F.	SOM	104	W	UU	58.0	W	1				X	X			2000
	Nanager: Ann 13000 W Co		100		Phone: 575-885-	arlsbad, NM, 88220	,			-		Ann	lysis	and	Mast	had	-				PA Progra		19000
	e, Zip_Odess						-		-	-		Alla	ilysis	anu	iviet	liou				SDWA		RCRA	100
	32-305-6415		703		Email: jim.raley@	O: 21255735; PN:	10291	INI												JUVIA	CVIA	NCM	1
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				Sample In	formation				RO by	RO by	, 8021	8260	e 300.0	6.10	Met		MM.	X1		p d			
Time Sampled	Date Sampled	Matrix	No of Containers		Sample ID		Depth	Lab Number	DRO/ORO	GRO/DRO by	втех Бу	VOC by 8260	Chloride	TCEQ 1005	RCRA 8 Metals		BGDOC - NIM	BGDOC - TX		Sample Temp	Ren	narks	
10:28	6/11/2025	5	1		BH14		0.5'										х			4.4	Corre	ckd	
10:32	6/11/2025	S	1		BH14		1'	2									Х			4.5			MOM
10:36	6/11/2025	5	1		BH14		2'	3									х			4.1		le Co	your
10:40	6/11/2025				BH14		3'	11													Ren		1
		S	1				4'	5									Х			2.9	6/16	125 (in
10:44	6/11/2025	S	1		BH14												X			4.7			
12:04	6/11/2025	S	1		BH15												Х			3.3			
12:08	6/11/2025	S	1		BH15		1'	9									х			3.9			
12:12	6/11/2025	S	1		BH15		2'	0									Х			2.5			
12:16	6/11/2025	5	1		BH15		3'	å									Х						
12:20	6/11/2025				BH15		4'	-												2.7			
12.20		S	1					10									X			4.1			
Addition	al Instructio	ns:																					
	oler), attest to the Edyte Konan	validity and	authenticity	of this sample. I am a	ware that tampering with or	intentionally mislabeling th	he sample	location, da	te or tir	ne of c	ollectio	n is co	nsidere	ed fra	ud and	may be	grou	nds for	legal	action.			
Relinquish	ed by: (Signatur	e)		Date 06/12/25	Time 7:00	Received by Signatu	re) Ge	msal	ec	Date	-12	2.	5	Time [57	d					requiring th		
Religionish	ediby: Menatur	honz	rles	C 1225	Tim 605	Received by: (Signatu	re)	0		Date	- 12			Time	60		W.S		- HANSSON		they are sa ked on ice	CONTRACTOR OF THE	
Relinquished by: (Signature) Date					Time	Received by (Signatu	198/	10	-	Date				Time	700	Eson.			The same of	bove 0 b	ut less than	6°C on	
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	ed by: (Signatur	ey	49	Date	Time	Received by: (Signatu	rel			Date	10	u	9	Time	W						Y N	e.	
Sample Mar	rix: S - Soil, Sd - Se	nlid Se - Slue	ee A - Acue	ous O - Other			Conta	ner Type:	g - pla	iss n	- poly	/plas	tic a	g - ar	nher	plass	v-V	OA					-
selliple ivia			ofter result		e other arrangements are			ho returne													of the about		-

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.

Page 2 of 2

Client: WPX Energy Permian, LLC.

Additional Instructions:

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	8.8			х			M						2	15	ı,I
	6.4			х										11	,S'0
Remarks	Sample Temp		NGDOC - TX	BGDOC - NM		RCRA 8 Metals	TCEQ 1005	Chloride	VOC by 8260	BTEX by 8021	GRO/DRO by 8015	DRO/ORO by 8015	uper uper		htpda
	# OISMd		×	W		Aetals	5 - TX	300.0	1260	8021	2 by 80	0 by 80			
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CWA RCRA	AWGS														
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	nation
	36485331318An bns 37295041318An
	Miscellaneous: WO: 21255735; PN: 19381; IN:
	moɔ.nvb@yeler,mij :lism3
	ZOSY-885-7502 sanodo
	City, State, Zip: Carlsbad, NM, 88220
3	Address: 5315 Buena Vista Dr.
7	Company: Devon Energy Production Co. NPX
	Invoice Information
7	

ı	mail: NMTXGeoGroup@etechenv.com
i	Stone: 432-305-6415
ı	City, State, Zip_Odessa,TX, 79765
ì	Address: 13000 W County Rd 100
ı	Project Manager: Anna Byers
١	אנסופכו: Fest אפכס 77-3 אנסמחכפת אשופן משושפוווני חושה

Client Information

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	4.8			Х									21	7.	ZTH8	τ	S	9/11/5025	13:12
	0.7			х									41	,ī	ZTH8	τ	S	\$707/11/9	13:10
	9.8			Х									01	'2.0	ZTH8	τ	S	9/11/5025	13:05
	5.4			Х									SI	,t	внте	τ	S	5707/11/9	12:20
	8.5			Х									hl	18	внте	τ	S	9/11/5025	91:51
	5.4			х									51	,Z	ВНТЕ	Ţ	S	\$202/11/9	71:51
	8.8			х									13	ı,I	9118	τ	S	5707/11/9	12:08
	4.3			х									11	,S'0	9118	τ	S	9/11/5022	\$0:SI
Remarks	Sample Temp		BGDOC.	BGDOC-		RCRA 8	TCEQ 1005	Chloride	VOC by 826	BTEX by 802	GRO/DRO b	DRO/ORO	Lab	Depth		No. of Containers	xistsM	belgme2 sted	amiT balqms2
	pole	000	×	NN	13	Met	8	e 300	826	80	ROL	ROB	noitemothal elqme2						

Yore: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is													
oil, Sd - Solid, Sg Sludge, A - Aqueous, O - Other Container Type: B - glass, p - poly/plastic, ag - amber glass, v - VOA													
N/B	Time	eted	Received by: (Signature)	amiT	Date	elindbished by: (Signature)*							
Lab Use Only Received on ice:	001	26.81.0)	Received by (Singles)	o 5 0 0	52-21-9	elinquished by: (Signabile)							
above 0 but less than 6°C on subsequent days.	0.061	52-21-9	Regarded by Signatured Astrooples	003/	25-51-6	elinguished by: (Signature)							
ice the day they are sampled or received packed on ice at a temp	209/ Suni	57-21-9	Received by: (Signature)	200)	20.61.0	elverfredpredpredpred and or							
Samples requiring thermal preservation must be received on	CUTO	26.21-25	Received by (Signature) Convolus	a.t	22/2/190	(auntenate): (Seenature)							
						ampied by: Edyte Konan							

applicable only to those samples received by the laboratory with this COC. The lisbility of the laboratory is limited to the amount paid for on the report.

Received by OCD: 9/8/2025 10:49:32 AM

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Report to:
Anna Byers



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E506127

Job Number: 01058-0007

Received: 6/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/20/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 6/20/25

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E506127

Date Received: 6/16/2025 8:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/16/2025 8:00:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Sample Summary

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Danautada
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	06/20/25 13:24

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH18 0.5'	E506127-01A	Soil	06/12/25	06/16/25	Glass Jar, 2 oz.
BH18 4'	E506127-02A	Soil	06/12/25	06/16/25	Glass Jar, 2 oz.
BH19 0.5'	E506127-03A	Soil	06/12/25	06/16/25	Glass Jar, 2 oz.
BH19 3'	E506127-04A	Soil	06/12/25	06/16/25	Glass Jar, 2 oz.
BH19 4'	E506127-05A	Soil	06/12/25	06/16/25	Glass Jar, 2 oz.
BH20 0.5'	E506127-06A	Soil	06/12/25	06/16/25	Glass Jar, 2 oz.
BH20 3'	E506127-07A	Soil	06/12/25	06/16/25	Glass Jar, 2 oz.
BH20 4'	E506127-08A	Soil	06/12/25	06/16/25	Glass Jar, 2 oz.
BH21 0.5'	E506127-09A	Soil	06/12/25	06/16/25	Glass Jar, 2 oz.
BH21 4'	E506127-10A	Soil	06/12/25	06/16/25	Glass Jar, 2 oz.
BH22 0.5'	E506127-11A	Soil	06/12/25	06/16/25	Glass Jar, 2 oz.
BH22 4'	E506127-12A	Soil	06/12/25	06/16/25	Glass Jar, 2 oz.
BH23 0.5'	E506127-13A	Soil	06/12/25	06/16/25	Glass Jar, 2 oz.
BH23 2'	E506127-14A	Soil	06/12/25	06/16/25	Glass Jar, 2 oz.
BH23 4'	E506127-15A	Soil	06/12/25	06/16/25	Glass Jar, 2 oz.

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:24:39PM

BH18 0.5' E506127-01

		E300127-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2525035
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		95.3 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2525035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		80.5 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: RAS		Batch: 2525058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/19/25	
Surrogate: n-Nonane		114 %	61-141	06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2525049
Chloride	261	40.0	2	06/17/25	06/17/25	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:24:39PM

BH18 4'

E50612	27-0	2
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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2525035
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		96.2 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2525035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.3 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2525058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/19/25	
Surrogate: n-Nonane		118 %	61-141	06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2525049
		40.0	2	06/17/25	06/17/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:24:39PM

BH19 0.5' E506127-03

		E500127-03				
	D. I	Reporting		D 1		N
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2525035
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2525035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.3 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2525058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/19/25	
Surrogate: n-Nonane		115 %	61-141	06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2525049
Chloride	2120	100	5	06/17/25	06/17/25	·



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:24:39PM

BH19 3'

E506127-04

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2525035
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		97.0 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2525035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.5 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: RAS		Batch: 2525058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/19/25	
Surrogate: n-Nonane		113 %	61-141	06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2525049
Chloride	2540	200	10	06/17/25	06/17/25	



Sample Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:24:39PM

BH19 4'

E506127-05						
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2525035
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2525035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.0 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2525058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/19/25	
Surrogate: n-Nonane		116 %	61-141	06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2525049
Chloride	4420	100	5	06/17/25	06/17/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:24:39PM

BH20 0.5' E506127-06

		E500127-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tilalyc	Result	Liiiit	Dilution	Trepared	Maryzea	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2525035
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2525035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.7 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: RAS		Batch: 2525058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/19/25	
Surrogate: n-Nonane		106 %	61-141	06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2525049
Chloride	372	40.0	2	06/17/25	06/17/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:24:39PM

BH20 3'

E5061	27	

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2525035
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		95.8 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2525035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.8 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2525058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/19/25	
Surrogate: n-Nonane		116 %	61-141	06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2525049
Chloride	2250	40.0	2	06/17/25	06/17/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:24:39PM

BH20 4'

E506127-08						
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2525035
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		94.7 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2525035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.6 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2525058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/19/25	
Surrogate: n-Nonane		117 %	61-141	06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2525049
Chloride	2200	40.0	2	06/17/25	06/17/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:24:39PM

BH21 0.5'

E506127-09						
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2525035
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
o,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2525035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.6 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2525058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/19/25	
Surrogate: n-Nonane		115 %	61-141	06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2525049
Chloride	472	100	5	06/17/25	06/17/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:24:39PM

BH21 4' E506127-10

		E300127-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2525035
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Foluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2525035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.2 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: RAS		Batch: 2525058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/19/25	
Surrogate: n-Nonane		116 %	61-141	06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2525049
Chloride	831	200	10	06/17/25	06/17/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:24:39PM

BH22 0.5'

		E506127-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2525035
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2525035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.1 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2525058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/20/25	
Surrogate: n-Nonane		116 %	61-141	06/17/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: IY		Batch: 2525049
Chloride	215	20.0	1	06/17/25	06/17/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:24:39PM

BH22 4'

E506127-12

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2525035
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		96.7 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2525035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.2 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: RAS		Batch: 2525058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/20/25	
Surrogate: n-Nonane		116 %	61-141	06/17/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2525049

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:24:39PM

BH23 0.5'

		E506127-13					
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2525035	
Benzene	ND	0.0250	1	06/16/25	06/18/25		
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25		
Toluene	ND	0.0250	1	06/16/25	06/18/25		
o-Xylene	ND	0.0250	1	06/16/25	06/18/25		
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25		
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25		
Surrogate: 4-Bromochlorobenzene-PID		97.1 %	70-130	06/16/25	06/18/25		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2525035	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25		
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.8 %	70-130	06/16/25	06/18/25		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2525058	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/20/25		
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/20/25		
Surrogate: n-Nonane		116 %	61-141	06/17/25	06/20/25		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2525049	
Chloride	ND	200	10	06/17/25	06/17/25		



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:24:39PM

BH23 2'

E506127-14

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2525035
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		95.9 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2525035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.8 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2525058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/20/25	
Surrogate: n-Nonane		115 %	61-141	06/17/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2525049
Chloride	671	200	10	06/17/25	06/17/25	·



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:24:39PM

BH23 4'

E506127-15

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2525035
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2525035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.1 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2525058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/20/25	
Surrogate: n-Nonane		114 %	61-141	06/17/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: IY		Batch: 2525049
Chloride	338	200	10	06/17/25	06/17/25	



East Pecos 22-3 Produced Water Gathering Line WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Anna Byers 6/20/2025 1:24:39PM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2525035-BLK1) Prepared: 06/16/25 Analyzed: 06/18/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.72 8.00 96.5 70-130 LCS (2525035-BS1) Prepared: 06/16/25 Analyzed: 06/18/25 5.36 107 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.27 0.0250 5.00 105 70-130 5.32 0.0250 5.00 106 70-130 Toluene 5.29 o-Xylene 0.0250 5.00 106 70-130 10.6 10.0 70-130 0.0500 p.m-Xvlene 106 70-130 15.8 15.0 Total Xylenes 0.0250 8.00 94.2 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.54 Matrix Spike (2525035-MS1) Source: E506127-04 Prepared: 06/16/25 Analyzed: 06/18/25 5.32 0.0250 5.00 ND 70-130 Benzene 5.22 ND 104 70-130 Ethylbenzene 0.0250 5.00 Toluene 5.27 0.0250 5.00 ND 105 70-130 5.25 ND 105 70-130 5.00 0.0250 o-Xylene p,m-Xylene 10.4 0.0500 10.0 ND 104 70-130 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.50 8.00 Matrix Spike Dup (2525035-MSD1) Source: E506127-04 Prepared: 06/16/25 Analyzed: 06/18/25 4.96 0.0250 5.00 ND 70-130 7.02 27 70-130 4.88 0.0250 5.00 ND 97.7 6.65 26 Ethylbenzene Toluene 4 92 0.0250 5.00 ND 98.5 70-130 6.84 20

5.00

10.0

15.0

8.00

0.0250

0.0500

0.0250

ND

ND

ND

98.0

97.6

97.7

97.0

70-130

70-130

70-130

70-130

6.87

6.49

6.61

25

23

26



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

4.90

9.76

14.7

7.76

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:24:39PM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				6/20	0/2025 1:24:39PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO		I	Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	70	70	70	70	Notes
Blank (2525035-BLK1)							Prepared: 0	6/16/25 Analy	zed: 06/18/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.83		8.00		85.4	70-130			
LCS (2525035-BS2)							Prepared: 0	6/16/25 Analy	zed: 06/18/25
Gasoline Range Organics (C6-C10)	47.8	20.0	50.0		95.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.8	70-130			
Matrix Spike (2525035-MS2)				Source:	E506127-	04	Prepared: 0	6/16/25 Analy	zed: 06/18/25
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		8.00		86.6	70-130			
Matrix Spike Dup (2525035-MSD2)				Source:	E506127-	04	Prepared: 0	6/16/25 Analy	zed: 06/18/25
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130	0.157	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.4	70-130			

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:24:39PM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				6	/20/2025 1:24:39PN
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2525058-BLK1)							Prepared: 0	6/17/25 An	alyzed: 06/19/25
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	58.6		50.0		117	61-141			
LCS (2525058-BS1)							Prepared: 0	5/17/25 An	alyzed: 06/19/25
Diesel Range Organics (C10-C28)	277	25.0	250		111	66-144			
urrogate: n-Nonane	56.9		50.0		114	61-141			
Matrix Spike (2525058-MS1)				Source:	E506127-	03	Prepared: 0	6/17/25 An	alyzed: 06/19/25
Diesel Range Organics (C10-C28)	276	25.0	250	ND	111	56-156			
urrogate: n-Nonane	56.7		50.0		113	61-141			
Matrix Spike Dup (2525058-MSD1)				Source:	E506127-	03	Prepared: 0	6/17/25 An	alyzed: 06/19/25
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	56-156	0.0193	20	
Gurrogate: n-Nonane	57.0		50.0		114	61-141			



WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		East Pecos 22-3	Produced	Water Ga	thering Line		Reported:
Carlsbad NM, 88220		Project Number: Project Manager			6/20/2025 1:24:39PM				
		Anions	by EPA	300.0/9056	A				Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2525049-BLK1)							Prepared: 0	6/17/25 A	.nalyzed: 06/17/25
Chloride	ND	20.0							
LCS (2525049-BS1)							Prepared: 0	6/17/25 A	nalyzed: 06/17/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2525049-MS1)				Source:	E506127-	05	Prepared: 0	6/17/25 A	nalyzed: 06/17/25
Chloride	4480	100	250	4420	22.7	80-120			M4
Matrix Spike Dup (2525049-MSD1)				Source:	E506127-	05	Prepared: 0	6/17/25 A	nalyzed: 06/17/25
Chloride	4440	100	250	4420	10.6	80-120	0.682	20	M4

QC Summary Report Comment:

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



Definitions and Notes

ſ	WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Anna Byers	06/20/25 13:24

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Be	nvirotech
	Client Ir
	Client: WPX Energy Perm
	Project: East Pecos 22-3 Pr

Chain of Custody

	Clie	nt Inforn	nation		Inv	oice Information		1200	Lab Use Only Lab WO# Job Number					TAT			State					
Client: W	/PX Energy P	ermian, l	LC.		Company: WPX E	nergy Permian, LL	<u>C.</u>	Lab	WO	‡		Job	Num	per	Media	1D	2D	3D S	d	NM	CO UT	TX
Project: I	East Pecos 22-	3 Produce	ed Water (Sathering Line	Address: 5315 Bu	uena Vista Dr.		ES	06	12=	1	010	158	-000	7				(х		
Project N	/lanager: Anr	na Byers			City, State, Zip: C	arlsbad, NM, 8822	0							-			Name of					
Address:	13000 W Co	unty Rd	100		Phone: 575-885-	7502			Г			Ana	lysis	and	Meth	nod	-	2000000000		EP	A Progr	am
City, Stat	e, Zip_Odess	a.TX, 79	765		Email: jim.raley@	Odyn com				Г			İ	T	T	T	$\neg \tau$		SD	WA	CWA	RCRA
	32-305-6415					VO: 21255735; PN	: 19381	· IN:														
10 D 2 3 S 3 S 3 1 D 3 9 1 D	MTXGeoGro		henv.com			and nAB16166284			8015	2							- 1		Con	plian	e Y	or N
					[IIAD1014033370	and 11AD10100204	50			801			0		20				_	SID#		1
				Sample Info	rmation				30 by	30 by	8021	8260	a 300.	XT - 20	Meta		Ν	¥				
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Depth	Lab Number	DRO/ORO	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX	Sami	Temp	Rer	marks
8:35	6/12/2025	S	1		BH18		0.5'	1									х		4.	5		
8:55	6/12/2025	S	1		BH18		4'	2									х		4.	9		
9:32	6/12/2025	S	1		BH19		0.5'	3									х		5.	1		
9:44	6/12/2025	S	1		BH19		3'	4									х		4	8		
9:48	6/12/2025	S	1	Ŧ	BH19		4'	5									Х		5	0.		
10:35	6/12/2025	S	1		BH20		0.5'	6									х		5.	5		
10:50	6/12/2025	S	1		BH20		3'	7									х		5.	0		
10:55	6/12/2025	S	1		BH20		4'	8									х		4	8		
11:34	6/12/2025	S	1		BH21	3-1	0.5'	9									х		4	6		
11:50	6/12/2025	S	1		BH21		4'	10									х		4.	Ч		
Addition	al Instructio	ns:																				
	oler), attest to the Edyte Konan	validity and	dauthenticity	of this sample. I am aw	are that tampering with o	r intentionally mislabeling	the samp	le location, o	date or	time o	fcolle	ction is	consid	ered fr	aud an	d may	be gr	ounds fo	legal ac	tion.	\$5	
	ed by: (Signatur	7		06/13/25	Time	Recaived by (Signature)	GG G	as al	e gi	Date	1-1	3-2	25	Time	90	00		p			quiring t nust be re	hermal eceived on
Relinquish	ed by: (Signatur	A ong	mles	Date 6-14-25	0240	Received by: (Signature)	Ite)	án		Date 6	-16	-25		Time	80	حلا		215.550%				mpled or at a temp
Relinquish	ed by: (Signatur	e)		Date	Time	Received by: (Signatu	ure)			Date				Time							less than quent da	SUPPLY SU
Relinquish	ed by: (Signatur	e)		Date	Time	Received by: (Signatu	ure)			Date				Time						-	Use Onl	
Relinquish	ed by: (Signatur	e)		Date	Time	Received by: (Signatu	ıre)			Date				Time						Received on ice:		
Sample Mat	rix: S - Soil, Sd - Se	olid, S g - Sluc	dge, A - Aque	ous, O - Other			Contai	ner Type:	g - gl	ass, p	- pol	y/pla	stic, a	g - an	nber g	glass,	, v - V	OA				
						re made. Hazardous sa bility of the laboratory								he cli	ent ex	pense	e. The	report	for the a	inalysis	of the ab	ove

8	envirotech
	Client Information
	Client: WPX Energy Permian, LLC.
	Project: East Pecos 22-3 Produced Water

Chain of Custody

Lab Use Only

TAT

Invoice Information

State

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Page 924 of 1081

	/PX Energy P				The state of the s	Energy Permian, LL	<u>.</u>	Lat	WO	+		100	Num	nei	-	LUZ	U SL	Std		COUT	IX
			ed Water 0	athering Line	Address: 5315			E	506	12-	7	010	058	-00	04			х	X		
Project N	Aanager: Anı	na Byers			City, State, Zip:	Carlsbad, NM, 8822	0						1				DEES.				ing) je penceri
Address:	13000 W Co	unty Rd	100		Phone: 575-885	5-7502					,7	Ana	lysis	and	Meth	od			EP	A Progra	am
City, Stat	e, Zip_Odes	sa,TX, 79	765		Email: jim.raley	@dvn.com													SDWA	CWA	RCRA
Phone: 4	32-305-6415	5			Miscellaneous:	WO: 21255735; PN	: 19381;	IN:													
Email: N	MTXGeoGro	up@etec	henv.com		nAB161403957	6 and nAB16166284	96		15	15									Complianc	e Y	or N
						Contact the State			/ 80	/ 80	e4	_	0.	¥	sls				PWSID#		
				Sample In	formation				10 b	(O b)	802	8260	98		Met	2	×		le P		
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 -	RCRA 8 Metals	BGDOC - NM	BGDOC-		Sample Temp	Ren	marks
13:19	6/12/2025	S	1		BH22		0.5'	11								>	(4.4		
13:34	6/12/2025	S	1		BH22		4'	12								>	(5.1		
13:36	6/12/2025	S	1		BH23		0.5'	13								>	(4.6		
13:42	6/12/2025	S	1		BH23		2'	14								>	(4.2		
13:45	6/12/2025	S	1		BH23		4'	15								>	(3.9		
				06/112	12025																
					TT																
/																					
Addition	al Instructio	ns:								*********		And the tree									
	pler), attest to the : Edyte Konan	e validity and	d authenticity	of this sample. I am a	aware that tampering with	n or intentionally mislabelin	g the sampl	e location,	date or	time o	f colle	ction is	consi	dered 1	fraud and	l may be	e groun	ds for leg	gal action.		
	ed by: (Signatur			06/13 / 20	Time	Received by: (Signat	G &	xale	ic.	Date	e-1	3 :	25	Time	19	00			Samples red servation m		
Relinguish Mi	ed by: (Signatur	e) Zona	ales	06/13/20 6-1425	Time 240	peceived by: Ripgat	sre)	w	_		16	-2	5	Time	80	5		rece	the day the eived packe	d on ice	at a temp
Relinquish	ed by: (Signatur	e) 0		Date	Time	Received by: (Signat	ire)			Date				Time				а	bove 0 but subseq	less than uent day	
Relinquish	ed by: (Signatur	e)		Date	Time	Received by: (Signat	ure)			Date				Time						Jse Only	
Relinquish	ed by: (Signatur	re)		Date	Time	Received by: (Signat	ure)			Date				Time				Received on ice:			
Sample Mar	rix: S - Soil, Sd - S	olid, Sg - Slu	dge, A - Aque	ous, O - Other			Contai	ner Type	: g - g	ass, p	- po	y/pla	stic,	ag - a	mber g	lass, v	- VOA	1		-	

envirotech Inc.

Printed: 6/16/2025 10:37:27AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

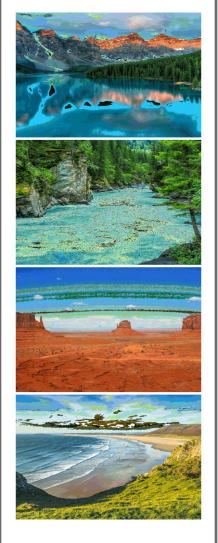
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	06/16/25	08:00		Work Order ID:	E506127
Phone:	(575) 200-6754	Date Logged In:	06/16/25	08:24		Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:		17:00 (4 day TAT	·)		
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier	: Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were al	Il samples received within holding time?	·	Yes				
	Note: Analysis, such as pH which should be conducted in i.e., 15 minute hold time, are not included in this disucssi					Comment	s/Resolution
Sample T	urn Around Time (TAT)						
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	Cooler						
	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
	were custody/security seals intact?						
-			NA				
12. was th	e sample received on ice? Note: Thermal preservation is not required, if samples ar 15 minutes of sampling	e received within	Yes				
13. See C	OC for individual sample temps. Samples outside o	f 0°C-6°C will be	recorded	in comments.			
Sample C	Container						
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contai		Yes				
Field Lab	· · · · · · · · · · · · · · · · · · ·						
	field sample labels filled out with the minimum info	ormation:					
	ample ID?	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		No				
Sample P	<u>reservation</u>						
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filtration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborate	rv?	No				
	subcontract laboratory specified by the client and i	-	NA	Subcontract L	ah· NA		
	• • •			Successifiant E			
CHERT II	<u>astruction</u>						
							_

Date

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

Report to:
Anna Byers



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: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E506130

Job Number: 01058-0007

Received: 6/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/20/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 6/20/25

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E506130

Date Received: 6/16/2025 8:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/16/2025 8:00:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Sample Summary

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
Carlsbad NM, 88220	Project Manager:	Anna Byers	06/20/25 12:49

Client Sample ID	Lab Sample ID Matrix	Sampled Receive	ed Container
BH24 0.5'	E506130-01A Soil	06/13/25 06/16/2	5 Glass Jar, 2 oz.
BH24 1'	E506130-02A Soil	06/13/25 06/16/2	5 Glass Jar, 2 oz.
BH24 2'	E506130-03A Soil	06/13/25 06/16/2	5 Glass Jar, 2 oz.
BH24 3'	E506130-04A Soil	06/13/25 06/16/2	5 Glass Jar, 2 oz.
BH24 4'	E506130-05A Soil	06/13/25 06/16/2	5 Glass Jar. 2 oz.



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:49:09PM

BH24 0.5' E506130-01

		2000100 01					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2525036
Benzene	ND	0.0250		1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250		1	06/16/25	06/18/25	
Toluene	ND	0.0250		1	06/16/25	06/18/25	
o-Xylene	ND	0.0250		1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500		1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250		1	06/16/25	06/18/25	
Surrogate: Bromofluorobenzene		108 %	70-130		06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		06/16/25	06/18/25	
Surrogate: Toluene-d8		101 %	70-130		06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2525036
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/16/25	06/18/25	
Surrogate: Bromofluorobenzene		108 %	70-130		06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		06/16/25	06/18/25	
Surrogate: Toluene-d8		101 %	70-130		06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	HM		Batch: 2525059
Diesel Range Organics (C10-C28)	ND	25.0		1	06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0		1	06/17/25	06/19/25	
Surrogate: n-Nonane		92.6 %	61-141		06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2525050
Chloride	87.3	40.0		2	06/17/25	06/17/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:49:09PM

BH24 1' E506130-02

		E300130-02				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
· ·	mg/kg	mg/kg		analyst: SL		Batch: 2525036
Volatile Organic Compounds by EPA 8260B	ND	0.0250	1	06/16/25	06/18/25	Batch. 2323030
Benzene			1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1			
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: Bromofluorobenzene		105 %	70-130	06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	06/16/25	06/18/25	
Surrogate: Toluene-d8		102 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: SL		Batch: 2525036
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: Bromofluorobenzene		105 %	70-130	06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	06/16/25	06/18/25	
Surrogate: Toluene-d8		102 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: HM		Batch: 2525059
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/19/25	
Surrogate: n-Nonane		91.1 %	61-141	06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: DT		Batch: 2525050
Chloride	ND	100	5	06/17/25	06/17/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:49:09PM

BH24 2' E506130-03

Austra	Result	Reporting Limit	Dile	ıtion	D	A l d	Notes
Analyte	Kesuit	Limit	Dill	шоп	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2525036
Benzene	ND	0.0250	1	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	1	06/16/25	06/18/25	
Surrogate: Bromofluorobenzene		109 %	70-130		06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		06/16/25	06/18/25	
Surrogate: Toluene-d8		101 %	70-130		06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2525036
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	06/16/25	06/18/25	
Surrogate: Bromofluorobenzene		109 %	70-130		06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		06/16/25	06/18/25	
Surrogate: Toluene-d8		101 %	70-130		06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	НМ		Batch: 2525059
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/17/25	06/19/25	
Surrogate: n-Nonane		92.9 %	61-141		06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2525050
Chloride	284	100		5	06/17/25	06/17/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:49:09PM

BH24 3' E506130-04

		E300130-04				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
· ·	mg/kg	mg/kg		analyst: SL		Batch: 2525036
Volatile Organic Compounds by EPA 8260B	ND	0.0250	1	06/16/25	06/18/25	Batch: 2323030
Benzene	ND ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND ND	0.0230	1	06/16/25	06/18/25	
p,m-Xylene	ND ND	0.0300	1	06/16/25	06/18/25	
Total Xylenes	ND		1			
Surrogate: Bromofluorobenzene		106 %	70-130	06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	06/16/25	06/18/25	
Surrogate: Toluene-d8		103 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: SL		Batch: 2525036
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: Bromofluorobenzene		106 %	70-130	06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	06/16/25	06/18/25	
Surrogate: Toluene-d8		103 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: HM		Batch: 2525059
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/19/25	
Surrogate: n-Nonane		93.0 %	61-141	06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: DT		Batch: 2525050
Chloride	341	100	5	06/17/25	06/17/25	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:49:09PM

BH24 4' E506130-05

Reporting							
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst:	SL		Batch: 2525036
Benzene	ND	0.0250	1		06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1		06/16/25	06/18/25	
Toluene	ND	0.0250	1		06/16/25	06/18/25	
o-Xylene	ND	0.0250	1		06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1		06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1		06/16/25	06/18/25	
Surrogate: Bromofluorobenzene		107 %	70-130		06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		06/16/25	06/18/25	
Surrogate: Toluene-d8		105 %	70-130		06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst:	SL		Batch: 2525036
Gasoline Range Organics (C6-C10)	ND	20.0	1		06/16/25	06/18/25	
Surrogate: Bromofluorobenzene		107 %	70-130		06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		06/16/25	06/18/25	
Surrogate: Toluene-d8		105 %	70-130		06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst:	НМ		Batch: 2525059
Diesel Range Organics (C10-C28)	ND	25.0	1		06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1		06/17/25	06/19/25	
Surrogate: n-Nonane		97.4 %	61-141		06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst:	DT		Batch: 2525050
Chloride	276	200	10	`	06/17/25	06/17/25	·

East Pecos 22-3 Produced Water Gathering Line WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Anna Byers 6/20/2025 12:49:09PM **Volatile Organic Compounds by EPA 8260B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2525036-BLK1) Prepared: 06/16/25 Analyzed: 06/18/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.528 0.500 106 70-130 Surrogate: 1,2-Dichloroethane-d4 0.490 0.500 98.0 70-130 0.500 102 70-130 Surrogate: Toluene-d8 0.512 LCS (2525036-BS1) Prepared: 06/16/25 Analyzed: 06/18/25 2.33 0.0250 2.50 93.2 70-130 Benzene 2.33 2.50 93.4 70-130 Ethylbenzene 0.0250 2.21 0.0250 2.50 88.5 70-130 70-130 2.20 0.0250 2.50 88.0 o-Xylene 4.41 5.00 88.1 70-130 p,m-Xylene 0.0500 6.61 0.0250 7.50 88.1 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.533 0.500 107 70-130 0.500 104 70-130 Surrogate: 1,2-Dichloroethane-d4 0.518 70-130 Surrogate: Toluene-d8 0.508 0.500 Matrix Spike (2525036-MS1) Source: E506130-04 Prepared: 06/16/25 Analyzed: 06/18/25 2.42 0.0250 2.50 ND 48-131 45-135 Ethylbenzene 2.45 0.0250 2.50 ND 97.9 48-130 Toluene 2.32 0.0250 2.50 ND 93.0 2.35 0.0250 2.50 ND 94.2 43-135 o-Xylene 4.73 ND 94.7 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 7.09 0.0250 7.50 ND 94.5 43-135 108 0.540 0.500 70-130 Surrogate: Bromofluorobenzene 0.512 0.500 102 70-130 Surrogate: 1,2-Dichloroethane-d4 0.500 70-130 0.513 Surrogate: Toluene-d8 Matrix Spike Dup (2525036-MSD1) Source: E506130-04 Prepared: 06/16/25 Analyzed: 06/17/25 2.33 0.0250 2.50 ND 93.0 48-131 4.00 23 2.33 0.0250 2.50 ND 93.1 45-135 5.05 27 Ethylbenzene ND 48-130 4.35 24 2.23 2.50 89.0 Toluene 0.0250 o-Xylene 2.25 0.0250 2.50 ND 89.9 43-135 4.67 27 5.00 ND 89.2 43-135 5.98 27 4.46 p,m-Xylene 0.0500



27

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

6.71

0.511

0.500

0.503

0.0250

7.50

0.500

0.500

0.500

ND

89.4

102

99.9

101

43-135

70-130

70-130

70-130

5.55

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	·
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:49:09PM

5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager		058-0007 nna Byers					6/20/2025 12:49:09PM	
·	Non	Nonhalogenated Organics by EPA 8015D - GRO						Analyst: SL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2525036-BLK1)					Prepared: 06/16/25 Analyzed: 06/18/25					
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130				
Surrogate: Toluene-d8	0.512		0.500		102	70-130				
LCS (2525036-BS2)						Prepared: 06/16/25 Analyzed: 06/18/25				
Gasoline Range Organics (C6-C10)	59.4	20.0	50.0		119	70-130				
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130				
Surrogate: Toluene-d8	0.521		0.500		104	70-130				
Matrix Spike (2525036-MS2)				Source:	Source: E506130-04			Prepared: 06/16/25 Analyzed: 06/17/25		
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	ND	109	70-130				
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.514		0.500		103	70-130				
Surrogate: Toluene-d8	0.511		0.500		102	70-130				
Matrix Spike Dup (2525036-MSD2)		Source:			rce: E506130-04 Prepared: 0			6/16/25 A	nalyzed: 06/17/25	
Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130	8.22	20		
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130				

0.500

0.500

0.500

0.511

70-130

70-130

99.9

102



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:49:09PM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				(6/20/2025 12:49:09Pl
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: KH									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2525059-BLK1)							Prepared: 0	6/17/25 Aı	nalyzed: 06/19/25
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	45.7		50.0		91.4	61-141			
LCS (2525059-BS1)							Prepared: 0	6/17/25 Aı	nalyzed: 06/19/25
Diesel Range Organics (C10-C28)	239	25.0	250		95.6	66-144			
urrogate: n-Nonane	47.4		50.0		94.7	61-141			
Matrix Spike (2525059-MS1)				Source:	E506131-	04	Prepared: 0	6/17/25 Aı	nalyzed: 06/19/25
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	56-156			
urrogate: n-Nonane	50.1		50.0		100	61-141			
Matrix Spike Dup (2525059-MSD1)				Source:	E506131-	04	Prepared: 0	6/17/25 Aı	nalyzed: 06/19/25
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.6	56-156	1.72	20	
urrogate: n-Nonane	49.5		50.0		99.0	61-141			



WPX Energy - Carlsbad		Project Name:		East Pecos 22-3	Produced	Water Ga	thering Line		Reported:
5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		01058-0007 Anna Byers					6/20/2025 12:49:09PM
		Anions	by EPA	300.0/9056	A				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2525050-BLK1)							Prepared: 0	6/17/25	Analyzed: 06/17/25
Chloride	ND	20.0							
LCS (2525050-BS1)							Prepared: 0	6/17/25	Analyzed: 06/17/25
Chloride	249	20.0	250		99.4	90-110			
Matrix Spike (2525050-MS1)				Source:	E506130-	03	Prepared: 0	6/17/25	Analyzed: 06/17/25
Chloride	634	100	250	284	140	80-120			M2
Matrix Spike Dup (2525050-MSD1)				Source:	E506130-	03	Prepared: 0	6/17/25	Analyzed: 06/17/25
Chloride	585	100	250	284	120	80-120	8.09	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:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	06/20/25 12:49

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

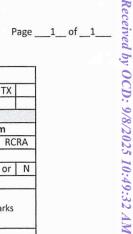
DNR Did not react with the addition of acid or base.

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

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



Chain of Custody



Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above

samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

envirotech Inc.

Printed: 6/16/2025 10:31:50AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	06/16/25 (08:00			Work Order ID:	E506130
Phone:	(575) 200-6754	Date Logged In:	06/16/25 (09:03			Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	06/20/25	17:00 (4 da	ay TAT)			
Chain of	Custody (COC)							
	ne sample ID match the COC?		Yes					
	e number of samples per sampling site location ma	tch the COC	Yes					
	amples dropped off by client or carrier?		Yes	C	arrier: <u>C</u>	Courier Courier		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes					
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes				<u>Comme</u>	nts/Resolution
Sample T	urn Around Time (TAT)							
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes					
Sample C	<u>Cooler</u>							
	sample cooler received?		Yes					
8. If yes,	was cooler received in good condition?		Yes					
9. Was the	e 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	e sample received on ice?		Yes					
	Note: Thermal preservation is not required, if samples ar 15 minutes of sampling							
	OC for individual sample temps. Samples outside o	f 0°C-6°C will be	recorded i	ın comme	ents.			
Sample C								
	queous VOC samples present?		No					
	OC samples collected in VOA Vials?		NA					
	head space less than 6-8 mm (pea sized or less)?		NA					
	trip blank (TB) included for VOC analyses?	_	NA					
	on-VOC samples collected in the correct containers		Yes					
	appropriate volume/weight or number of sample contain	ners collected?	Yes					
Field Lab								
	field sample labels filled out with the minimum info	ormation:	Van					
	ample ID? ate/Time Collected?		Yes					
	ollectors name?		Yes No					
	reservation		110					
21. Does	the COC or field labels indicate the samples were p	reserved?	No					
22. Are sa	imple(s) correctly preserved?		NA					
	filtration required and/or requested for dissolved m	etals?	No					
Multipha	se Sample Matrix							
	the sample have more than one phase, i.e., multipha	se?	No					
	does the COC specify which phase(s) is to be analy		NA					
•	act Laboratory	,						
	act <u>Laboratory</u> Imples required to get sent to a subcontract laborato	arra 9	No					
	subcontract laboratory specified by the client and i	-	NA	Subcont	root I ob	· NA		
		i so wiio:	1421	Subcont	iaci Lau	, INA		
Client In	<u>struction</u>							

Date

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

Report to:
Anna Byers



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E506128

Job Number: 01058-0007

Received: 6/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/20/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 6/20/25

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E506128

Date Received: 6/16/2025 8:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/16/2025 8:00:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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mgonzales@envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Danautada
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	06/20/25 12:52

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH25 0.5'	E506128-01A Soil	06/13/25	06/16/25	Glass Jar, 2 oz.
BH25 1'	E506128-02A Soil	06/13/25	06/16/25	Glass Jar, 2 oz.
BH25 2'	E506128-03A Soil	06/13/25	06/16/25	Glass Jar, 2 oz.
BH25 3'	E506128-04A Soil	06/13/25	06/16/25	Glass Jar, 2 oz.
BH25 4'	E506128-05A Soil	06/13/25	06/16/25	Glass Jar. 2 oz.



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:52:29PM

BH25 0.5' E506128-01

		E506128-01				
		Reporting	D 11			
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2525034
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2525034
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: HM		Batch: 2525057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/20/25	
Surrogate: n-Nonane		96.4 %	61-141	06/17/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: DT		Batch: 2525048
Chloride	610	200	10	06/17/25	06/18/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:52:29PM

BH25 1'

E506128-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2525034
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2525034
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: HM		Batch: 2525057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/20/25	
Surrogate: n-Nonane		96.5 %	61-141	06/17/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2525048
Chloride	824	200	10	06/17/25	06/18/25	· · · · · · · · · · · · · · · · · · ·



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:52:29PM

BH25 2'

E506128-03

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2525034
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2525034
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: HM		Batch: 2525057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/20/25	
Surrogate: n-Nonane		95.6 %	61-141	06/17/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2525048
Chloride	1470	200	10	06/17/25	06/18/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:52:29PM

BH25 3'

E5061	28-	04
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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2525034
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2525034
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: HM		Batch: 2525057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/20/25	
Surrogate: n-Nonane		97.7 %	61-141	06/17/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2525048
Chloride	1810	200	10	06/17/25	06/18/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:52:29PM

BH25 4'

E506128-05

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2525034
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2525034
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.2 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: HM		Batch: 2525057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/20/25	
Surrogate: n-Nonane		95.2 %	61-141	06/17/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2525048
Chloride	1530	200	10	06/17/25	06/18/25	

East Pecos 22-3 Produced Water Gathering Line WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Anna Byers 6/20/2025 12:52:29PM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2525034-BLK1) Prepared: 06/16/25 Analyzed: 06/17/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 8.30 8.00 104 70-130 LCS (2525034-BS1) Prepared: 06/16/25 Analyzed: 06/17/25 5.45 109 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.34 0.0250 5.00 107 70-130 5.40 0.0250 5.00 108 70-130 Toluene 5.25 o-Xylene 0.0250 5.00 105 70-130 10.7 10.0 107 70-130 0.0500 p.m-Xvlene 107 70-130 16.0 15.0 Total Xylenes 0.0250 8.00 104 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.28 Matrix Spike (2525034-MS1) Source: E506124-08 Prepared: 06/16/25 Analyzed: 06/17/25 5.58 0.0250 5.00 ND 112 70-130 Benzene ND 70-130 Ethylbenzene 5.43 0.0250 5.00 109 Toluene 5.52 0.0250 5.00 ND 110 70-130 5.35 ND 107 70-130 5.00 0.0250 o-Xylene p,m-Xylene 10.9 0.0500 10.0 ND 109 70-130 16.3 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.21 8.00 Matrix Spike Dup (2525034-MSD1) Source: E506124-08 Prepared: 06/16/25 Analyzed: 06/17/25 5.60 0.0250 5.00 ND 112 70-130 0.355 27 ND 70-130 0.654 5.47 0.0250 5.00 109 26 Ethylbenzene

5 54

5.39

11.0

16.4

8.29

0.0250

0.0250

0.0500

0.0250

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

111

108

110

109

104

70-130

70-130

70-130

70-130

70-130

0.368

0.669

0.620

0.636

20

25

23

26



Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:52:29PM

Carlsbad NM, 88220		Project Manage	r: Ar	na Byers				6/2	0/2025 12:52:29PM	
Nonhalogenated Organics by EPA 8015D - GRO										
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2525034-BLK1)							Prepared: 06	5/16/25 Anal	yzed: 06/17/25	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130				
LCS (2525034-BS2)							Prepared: 06	5/16/25 Anal	yzed: 06/17/25	
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.8	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.3	70-130				
Matrix Spike (2525034-MS2)				Source:	E506124-	08	Prepared: 06	5/16/25 Anal	yzed: 06/17/25	
Gasoline Range Organics (C6-C10)	46.7	20.0	50.0	ND	93.4	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130				
Matrix Spike Dup (2525034-MSD2)				Source:	E506124-	08	Prepared: 06	5/16/25 Anal	yzed: 06/18/25	
Gasoline Range Organics (C6-C10)	46.7	20.0	50.0	ND	93.3	70-130	0.0448	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130				

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:52:29PM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				(6/20/2025 12:52:29Pl		
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: HM											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2525057-BLK1)							Prepared: 0	6/17/25 Aı	nalyzed: 06/19/25		
Diesel Range Organics (C10-C28)	ND	25.0									
Dil Range Organics (C28-C36)	ND	50.0									
urrogate: n-Nonane	48.1		50.0		96.3	61-141					
LCS (2525057-BS1)							Prepared: 0	6/17/25 Aı	nalyzed: 06/19/25		
Diesel Range Organics (C10-C28)	248	25.0	250		99.3	66-144					
urrogate: n-Nonane	47.7		50.0		95.4	61-141					
Matrix Spike (2525057-MS1)				Source:	E506123-	11	Prepared: 0	6/17/25 Aı	nalyzed: 06/19/25		
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	56-156					
urrogate: n-Nonane	47.0		50.0		93.9	61-141					
Matrix Spike Dup (2525057-MSD1)				Source:	E506123-	11	Prepared: 0	6/17/25 Aı	nalyzed: 06/19/25		
Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	56-156	1.00	20			
urrogate: n-Nonane	47.5		50.0		95.0	61-141					



WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		East Pecos 22-3	Produced	Water Ga	thering Line		Reported:
Carlsbad NM, 88220		Project Number: Project Manager:		Anna Byers					6/20/2025 12:52:29PM
		Anions	by EPA	300.0/9056	A				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2525048-BLK1)							Prepared: 0	6/17/25 A	nalyzed: 06/17/25
Chloride	ND	20.0							
LCS (2525048-BS1)							Prepared: 0	6/17/25 A	nalyzed: 06/17/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2525048-MS1)				Source:	E506123-	03	Prepared: 0	6/17/25 A	nalyzed: 06/17/25
Chloride	549	20.0	250	310	95.7	80-120			
Matrix Spike Dup (2525048-MSD1)				Source:	E506123-	03	Prepared: 0	6/17/25 A	nalyzed: 06/17/25
Chloride	560	20.0	250	310	100	80-120	1.99	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:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	06/20/25 12:52

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



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- e	nvirotech
	Analytical Laboratory

Chain of Custody

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Received by OCD: 9/8/2025 10:49:32 AM

Page 956 of 1081

	Clie	nt Inforn	nation		Inv	oice Information		100	i iliyati		Lab U	se Or	ily				TAT	Γ		State	e
Client: WPX Energy Permian, LLC.				Company: WPX Energy Permian, LLC.			Lab WO# Job Nun			Num	mber 1D 2			2D :	3D Sto	td NM CO UT TX					
Project:	East Pecos 22-	3 Produce	ed Water 0	Bathering Line	Address: 5315 B	uena Vista Dr.		E	E50	612	18	010	58-	-000	7			х			
Project	Manager: Ann	na Byers			City, State, Zip: 0	Carlsbad, NM, 8822	0	18													
	: 13000 W Co				Phone: 575-885-	7502			114			Ana	lysis	and	Metho	d			EF	A Progra	am .
City, Sta	te, Zip_Odess	a,TX, 79	765		Email: jim.raley@	@dvn.com				T	-	П			T				SDWA	CWA	RCRA
Phone:	132-305-6415	i			Miscellaneous: V	VO: 21255735; PN	: 19381;	; IN:													
Email: N	MTXGeoGro	up@etec	henv.com		nAB1614039576	and nAB16166284	96		1 v	1 5									Complian	e Y	or N
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				Sample Info	rmation				2	8	y 80.	, 826	le 30	- 500	Z		N	×	ple		
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Depth	Lab Numb	0	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	9	BGDOC-	BGDOC-	Sample Temp	Ren	narks
10:20	6/13/2025	S	1		BH25		0.5'	1								2	x		5.3		
10:25	6/13/2025	S	1		BH25		1'	2		T						7	х		5.1		
10:30	6/13/2025	S	1		BH25	_	2'	3								7	х		5.0		
10:35	6/13/2025	S	1		BH25		3'	4								1	х		5.2		
10:40	6/13/2025	S	1		BH25		4'	5								7	х		5.3		
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Additio	nal Instructio	ns:						200 100 100 1000					142			- commer		-			
	pler), attest to the	validity and	authenticity	of this sample. I am awa	ere that tampering with	or intentionally mislabeling	the samp	le locatio	n, date	or time	of colle	ction is	consid	dered fr	aud and	may b	e gro	unds for l	egal action.		1
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Carrela Ma	triv: S - Soil Sd - S	olid, Sg - Sluc	dge, A - Aque	ous, O - Other	-		IContai	ner Typ	e: g - i	glass.	p - po	lv/pla	stic. a	ig - an	nber gl	ass. v	/ - VC	DA			

envirotech Inc.

Printed: 6/16/2025 10:22:25AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

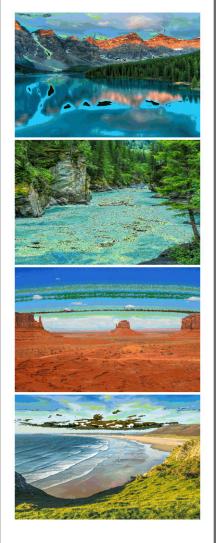
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Phone: (575) 200-6754 Date Logged In: 06/16/25 08:50 Logged In By: Noe Soto
Email: anna@etechenv.com
1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC 3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 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 disucession. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received in good condition? 8. Hyes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments. Sample Container 14. Are aqueous VOC samples present? No 15. Are VOC samples collected in VOA Vials? NA 16. Is the head space less than 6-8 mm (pea sized or less)? NA 18. Are non-VOC samples collected in the correct containers? Yes
1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC 3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received in good condition? 8. Hyes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments. Sample Container 14. Are aqueous VOC samples present? No 15. Are VOC samples collected in VOA Vials? NA 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes
2. Does the number of samples per sampling site location match the COC 3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 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 dissussion. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample (s) received in intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments. Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Ves 10. Were container 11. Was a trip blank (TB) included for VOC analyses? 12. Was the bad space less than 6-8 mm (pea sized or less)? 18. Are non-VOC samples collected in the correct containers? 19. Ves 10. Ves 11. Was a trip blank (TB) included for VOC analyses? 19. Ves 10. Ves 10. Ves 11. Ves 12. Ves 13. Ves 14. Ves 15. Are NOC samples collected in the correct containers? 19. Ves 19. V
3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? Note: Analysis, such as plf which should be conducted in the field, i.e., 15 minute hold time, are not included in this disussion. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments. Sample Container 14. Are aqueous VOC samples present? 15. Are yOC samples present? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? Note: Thermal preservation in the correct containers? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling and the preservation is not required, if samples are received within 15 minutes of samples present? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling N
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 pfl which should be conducted in the field, i.e. 15 minute hold time, are not included in this disucession. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 8. If yes, was cooler received? 9. Was the sample(s) received in good condition? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments. Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 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 NA NA NA NA NA NA NA NA N
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 disuession. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Yes 9. Was the sample(s) received in good condition? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? 13. Was the sample received on ice? 14. Are sample received on ice? 15. Are VOC samples present? 16. Are aqueous VOC samples present? 17. Are aqueous VOC samples collected in VOA Vials? 18. Are non-VOC samples collected in the correct containers? 18. Are non-VOC samples collected in the correct containers? Yes 18. Are non-VOC samples collected in the correct containers? Yes 19. Was a trip blank (TB) included for VOC analyses? NACE 19. Was a trip blank (TB) included for VOC analyses? NACE 19. Was a trip blank (TB) included for VOC analyses? NACE 19. Was a trip blank (TB) included for VOC analyses? NACE 19. Was a trip blank (TB) included for VOC analyses? NACE 19. Was a trip blank (TB) included for VOC analyses? NACE 19. Was a trip blank (TB) included for VOC analyses? NACE 19. Was a trip blank (TB) included for VOC analyses? NACE 19. Was a trip blank (TB) included for VOC analyses? NACE 19. Was a trip blank (TB) included for VOC analyses? NACE 19. Was a trip blank (TB) included for VOC analyses? NACE 19. Was a trip blank (TB) included for VOC analyses? NACE 19. Was a trip blank (TB) included for VOC analyses? NACE 19. Yes 19. Xes
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i.e, 15 minute hold time, are not included in this discussion. Sample Turn Around Time (TAT)
6. Did the COC indicate standard TAT, or Expedited TAT? Sample Cooler 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? NA 12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments. Sample Container 14. Are a queous 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 NA NA NA NA NA NA NA NA N
Sample Cooler 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments. Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 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
7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 7. Yes 10. Were custody/security seals present? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments. Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 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
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9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments. Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? NO NO No No No No No No No No
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17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes
Field Label
20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes Collectors name? No
Collectors name? No Sample Preservation
21. Does the COC or field labels indicate the samples were preserved?
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No
·
Multiphase Sample Matrix 26 Does the sample have more than one phase i.e. multiphase?
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?
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA
Client Instruction

Date

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

Report to:
Anna Byers



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: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E506131

Job Number: 01058-0007

Received: 6/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/20/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 6/20/25

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E506131

Date Received: 6/16/2025 8:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/16/2025 8:00:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Sample Summary

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	Reporteu.
Carlsbad NM, 88220	Project Manager:	Anna Byers	06/20/25 12:45

Client Sample ID	Lab Sample ID Mat	rix Sampled	Received	Container
BH26 0.5'	E506131-01A So	il 06/13/25	06/16/25	Glass Jar, 2 oz.
BH26 1'	E506131-02A So	il 06/13/25	06/16/25	Glass Jar, 2 oz.
BH26 2'	E506131-03A So	il 06/13/25	06/16/25	Glass Jar, 2 oz.
BH26 3'	E506131-04A So	il 06/13/25	06/16/25	Glass Jar, 2 oz.
BH26 4'	E506131-05A So	il 06/13/25	06/16/25	Glass Jar. 2 oz.



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:45:59PM

BH26 0.5' E506131-01

		E300131-01					
Analyte	Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2525036
Benzene	ND	0.0250	1	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	1	06/16/25	06/18/25	
Surrogate: Bromofluorobenzene		108 %	70-130		06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		06/16/25	06/18/25	
Surrogate: Toluene-d8		100 %	70-130		06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2525036
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	06/16/25	06/18/25	
Surrogate: Bromofluorobenzene		108 %	70-130		06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		06/16/25	06/18/25	
Surrogate: Toluene-d8		100 %	70-130		06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	НМ		Batch: 2525059
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/17/25	06/19/25	
Surrogate: n-Nonane		96.4 %	61-141		06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2525050



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:45:59PM

BH26 1'

		E506131-02				
		Reporting	;			
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: SL		Batch: 2525036
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: Bromofluorobenzene		106 %	70-130	06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	06/16/25	06/18/25	
Surrogate: Toluene-d8		102 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: SL		Batch: 2525036
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: Bromofluorobenzene		106 %	70-130	06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	06/16/25	06/18/25	
Surrogate: Toluene-d8		102 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: HM		Batch: 2525059
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/19/25	
Surrogate: n-Nonane		97.7 %	61-141	06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2525050
-		•				•

100

06/17/25

06/17/25

ND

Chloride

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:45:59PM

BH26 2' E506131-03

Aughte	Result	Reporting Limit	Dilut	ion DuonI	Analyzed	Notes
Analyte	Resuit	Limit	Dilut	ion Prepared	Anaiyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: SL		Batch: 2525036
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: Bromofluorobenzene		107 %	70-130	06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	06/16/25	06/18/25	
Surrogate: Toluene-d8		104 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: SL		Batch: 2525036
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: Bromofluorobenzene		107 %	70-130	06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	06/16/25	06/18/25	
Surrogate: Toluene-d8		104 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: HM		Batch: 2525059
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/19/25	
Surrogate: n-Nonane		94.1 %	61-141	06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2525050
Chloride	376	200	10	06/17/25	06/17/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:45:59PM

BH26 3' E506131-04

		E300131-04				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
·	mg/kg	mg/kg		nalyst: SL		Batch: 2525036
Volatile Organic Compounds by EPA 8260B			1	06/16/25	06/18/25	Batch. 2323030
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1			
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: Bromofluorobenzene		108 %	70-130	06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	06/16/25	06/18/25	
Surrogate: Toluene-d8		102 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: SL		Batch: 2525036
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: Bromofluorobenzene		108 %	70-130	06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	06/16/25	06/18/25	
Surrogate: Toluene-d8		102 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: HM		Batch: 2525059
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/19/25	
Surrogate: n-Nonane		98.1 %	61-141	06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: DT		Batch: 2525050
Chloride	1160	200	10	06/17/25	06/17/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:45:59PM

BH26 4' E506131-05

Analyte	Result	Reporting Limit	 Dil	ution	Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst		1 mary 200	Batch: 2525036
Volatile Organic Compounds by EPA 8260B	ND	0.0250		1	06/16/25	06/18/25	Batch: 2323030
Benzene	ND ND	0.0250		1	06/16/25	06/18/25	
Ethylbenzene	ND ND	0.0250		1	06/16/25	06/18/25	
Toluene	ND ND	0.0250		1	06/16/25	06/18/25	
o-Xylene	ND ND	0.0230		1	06/16/25	06/18/25	
p,m-Xylene	ND ND	0.0300		1	06/16/25	06/18/25	
Total Xylenes	ND			1			
Surrogate: Bromofluorobenzene		108 %	70-130		06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		06/16/25	06/18/25	
Surrogate: Toluene-d8		102 %	70-130		06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: SL		Batch: 2525036
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/16/25	06/18/25	
Surrogate: Bromofluorobenzene		108 %	70-130		06/16/25	06/18/25	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		06/16/25	06/18/25	
Surrogate: Toluene-d8		102 %	70-130		06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: HM		Batch: 2525059
Diesel Range Organics (C10-C28)	ND	25.0		1	06/17/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0		1	06/17/25	06/19/25	
Surrogate: n-Nonane		98.6 %	61-141		06/17/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2525050
Chloride	1700	200		10	06/17/25	06/17/25	

East Pecos 22-3 Produced Water Gathering Line WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Anna Byers 6/20/2025 12:45:59PM **Volatile Organic Compounds by EPA 8260B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2525036-BLK1) Prepared: 06/16/25 Analyzed: 06/18/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.528 0.500 106 70-130 Surrogate: 1,2-Dichloroethane-d4 0.490 0.500 98.0 70-130 0.500 102 70-130 Surrogate: Toluene-d8 0.512 LCS (2525036-BS1) Prepared: 06/16/25 Analyzed: 06/18/25 2.33 0.0250 2.50 93.2 70-130 Benzene 2.33 2.50 93.4 70-130 Ethylbenzene 0.0250 2.21 0.0250 2.50 88.5 70-130 70-130 2.20 0.0250 2.50 88.0 o-Xylene 4.41 5.00 88.1 70-130 p,m-Xylene 0.0500 6.61 0.0250 7.50 88.1 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.533 0.500 107 70-130 0.500 104 70-130 Surrogate: 1,2-Dichloroethane-d4 0.518 70-130 Surrogate: Toluene-d8 0.508 0.500 Matrix Spike (2525036-MS1) Source: E506130-04 Prepared: 06/16/25 Analyzed: 06/18/25 2.42 0.0250 2.50 ND 48-131 45-135 Ethylbenzene 2.45 0.0250 2.50 ND 97.9 48-130 Toluene 2.32 0.0250 2.50 ND 93.0 2.35 0.0250 2.50 ND 94.2 43-135 o-Xylene 4.73 ND 94.7 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 7.09 0.0250 7.50 ND 94.5 43-135 108 0.540 0.500 70-130 Surrogate: Bromofluorobenzene 0.512 0.500 102 70-130 Surrogate: 1,2-Dichloroethane-d4 0.500 70-130 0.513 Surrogate: Toluene-d8 Matrix Spike Dup (2525036-MSD1) Source: E506130-04 Prepared: 06/16/25 Analyzed: 06/17/25 2.33 0.0250 2.50 ND 93.0 48-131 4.00 23 2.33 0.0250 2.50 ND 93.1 45-135 5.05 27 Ethylbenzene ND 48-130 4.35 24 2.23 2.50 89.0 Toluene 0.0250



2.25

4.46

6.71

0.511

0.500

0.503

0.0250

0.0500

0.0250

2.50

5.00

7.50

0.500

0.500

0.500

ND

ND

ND

89.9

89.2

89.4

102

99.9

101

43-135

43-135

43-135

70-130

70-130

70-130

4.67

5.98

5.55

27

27

27

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

QC Summary Data

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:45:59PM

5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		058-0007 nna Byers				6.	/20/2025 12:45:59PN
Carisuau ivivi, 00220		, c						0/	20/2023 12.43.39FF
	Non	halogenated O	rganics l	by EPA 801	15D - Gl	RO			Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2525036-BLK1)							Prepared: 0	6/16/25 Ana	alyzed: 06/18/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			
LCS (2525036-BS2)							Prepared: 0	6/16/25 Ana	alyzed: 06/18/25
Gasoline Range Organics (C6-C10)	59.4	20.0	50.0		119	70-130			
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			
Matrix Spike (2525036-MS2)				Source:	E506130-	04	Prepared: 0	6/16/25 Ana	alyzed: 06/17/25
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.514		0.500		103	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			
Matrix Spike Dup (2525036-MSD2)				Source:	E506130-	04	Prepared: 0	6/16/25 Ana	alyzed: 06/17/25
Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130	8.22	20	
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			

0.500

0.500

0.500

0.511

99.9

102

70-130

70-130

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 12:45:59PM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers					6/20/2025 12:45:59PI
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2525059-BLK1)							Prepared: 0	6/17/25 Aı	nalyzed: 06/19/25
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	45.7		50.0		91.4	61-141			
LCS (2525059-BS1)							Prepared: 0	6/17/25 Aı	nalyzed: 06/19/25
Diesel Range Organics (C10-C28)	239	25.0	250		95.6	66-144			
urrogate: n-Nonane	47.4		50.0		94.7	61-141			
Matrix Spike (2525059-MS1)				Source:	E506131-	04	Prepared: 0	6/17/25 Aı	nalyzed: 06/19/25
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	56-156			
urrogate: n-Nonane	50.1		50.0		100	61-141			
Matrix Spike Dup (2525059-MSD1)				Source:	E506131-	04	Prepared: 0	6/17/25 Aı	nalyzed: 06/19/25
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.6	56-156	1.72	20	
urrogate: n-Nonane	49.5		50.0		99.0	61-141			



WPX Energy - Carlsbad		Project Name:		East Pecos 22-3	3 Produced	Water Ga	thering Line		Reported:
5315 Buena Vista Dr		Project Number:	: (01058-0007					
Carlsbad NM, 88220		Project Manager	r: A	Anna Byers					6/20/2025 12:45:59PM
		Anions	by EPA	300.0/9056	A				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2525050-BLK1)							Prepared: 0	6/17/25 A	nalyzed: 06/17/25
Chloride	ND	20.0							
LCS (2525050-BS1)							Prepared: 0	6/17/25 A	nalyzed: 06/17/25
Chloride	249	20.0	250		99.4	90-110			
Matrix Spike (2525050-MS1)				Source:	E506130-0	03	Prepared: 0	6/17/25 A	nalyzed: 06/17/25
Chloride	634	100	250	284	140	80-120			M2
Matrix Spike Dup (2525050-MSD1)				Source:	E506130-0	03	Prepared: 0	6/17/25 A	nalyzed: 06/17/25
Chloride	585	100	250	284	120	80-120	8.09	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:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	06/20/25 12:45

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Chain of Custody

Received by OCD: 9/8/2025 10:49:32 AM

Client Information					Invoice Information				Lab Use Only								T.	AT		State			
Client: WPX Energy Permian, LLC.					Company: WPX Energy Permian, LLC.			Lab	Lab WO		# Job Nu			ber		1D	D 2D 3D S		Std	NM	co	UT	TX
Project: East Pecos 22-3 Produced Water Gathering Line				Address: 5315 Buena Vista Dr.			E:	1			01058-0007						х	X					
Project I	Manager: An	na Byers			City, State, Zip:	Carlsbad, NM, 88220)																
Address: 13000 W County Rd 100					Phone: 575-885-7502				Analysis and Method EPA Pr										ogra	m			
City, State, Zip_Odessa,TX, 79765					Email: jim.raley@dvn.com					15										SDWA	CV	JA	RCRA
Phone: 432-305-6415					Miscellaneous: WO: 21255735; PN: 19381; IN:						1												
Email: NMTXGeoGroup@etechenv.com					nAB1614039576 and nAB1616628496				15										Ī	Complian	ce	Y	or N
			-						/ 80	GRO/DRO by 8015		_	0.0	×	sis					PWSID#			
				Sample In	formation		11-2-12-2		0 b	0 P	805	8260	300	1-50	Met		Σ	×		e d			
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Depth	Lab Number	10		BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp		Rem	arks
11:40	6/13/2025	s	1		BH26		0.5'	1									х			5.0			7
11:45	6/13/2025	S	1		BH26		1'	2									х			4.9			
11:50	6/13/2025	S	1			2'	3						(V= X/V)			х			5.3				
11:55	6/13/2025	S	1		BH26		3'	4									х		_	5.2			
12:00	6/13/2025	S	1		BH26		4'	5									Х			46			
							_			\vdash													
					13/2025																		
				06										_					1				
															-				1		-		nin-ce en
																	-		-			-	
Addition	nal Instruction	ns:					<u></u>		<u></u>		<u></u>						<u> </u>	Щ					
			d authenticity	of this sample. Lam	aware that tampering wit	h or intentionally mislabeling	the samn	le location	late or	time o	of colle	ction is	consid	lered	fraud a	and ma	v he a	rounds f	or lea	al action			
Sampled by	: Edyte Konan																, 50 6						
Relinquished by: (Signature) Date 06/13/208				Time Received by: (Signature) Time Pecelved by: Signature)			ngale	rles		6-13-25			[900				Samples requi preservation mus				-		
Relinquished by: (Signature) Wichile Gonzales U-14-35			D240	0240 Received by: Righture)			nles 6-13-25 10-16-25				0800					ice the day they are sampled or received packed on ice at a temp							
Relinquished by: (Signature) Date			Time	Received by: (Signatur		Date				Time					above 0 but less than 6°C on subsequent days.								
Relinquished by: (Signature) Date				Time	Received by: (Signatur			Date				Time				Lab Use Only Received on ice:				-			
Relinquished by: (Signature) Date			Time	Received by: (Signatur		Date				Time				Received on ice:									
Sample Ma	trix: S - Soil, Sd - S	olid, Sg - Slu	dge. A - Aque	ous, O - Other			Contai	ner Type:	g - g	ass, n	- pol	v/pla	stic. a	ıg - a	mber	glass	5. V - '	VOA					material by said in
					ess other arrangements	are made. Hazardous san													t for t	the analysi	of th	e abo	ve

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 Inc.

Printed: 6/16/2025 10:33:57AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

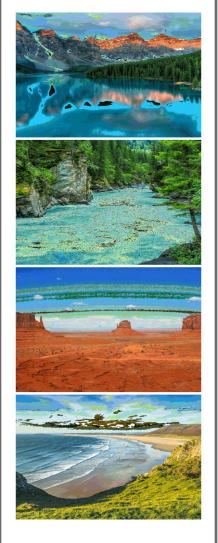
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	06/16/25	08:00	Work Order ID:	E506131
Phone:	(575) 200-6754	Date Logged In:	06/16/25	09:04	Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	06/20/25	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location ma	itch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		Yes		Comment	s/Resolution
Sample 7	Turn Around Time (TAT)					
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	were custody/security seals intact?					
•	, ,		NA			
	e sample received on ice? Note: Thermal preservation is not required, if samples a 15 minutes of sampling		Yes			
	OC for individual sample temps. Samples outside of	or o'c-6'c will be	recoraea	in comments.		
	Container Container					
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?	_	NA			
	on-VOC samples collected in the correct containers		Yes			
19. Is the	appropriate volume/weight or number of sample conta	iners collected?	Yes			
Field Lal						
	field sample labels filled out with the minimum inf	ormation:	37			
	ample ID? late/Time Collected?		Yes			
	follectors name?		Yes No			
	Preservation		NO			
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?		NA			
	filtration required and/or requested for dissolved m	etals?	No			
	se Sample Matrix		110			
	the sample have more than one phase, i.e., multiphate	2009	3.7			
			No			
27. 11 yes	, does the COC specify which phase(s) is to be anal	yzea?	NA			
	act Laboratory					
	amples required to get sent to a subcontract laborate subcontract laboratory specified by the client and	-	No NA	Subcontract Lab: NA		
Client I	<u>istruction</u>					

Date

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

Report to:
Anna Byers



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East P

East Pecos 22-3 Produced Water

Gathering Line

Work Order: E506129

Job Number: 01058-0007

Received: 6/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/20/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 6/20/25

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E506129

Date Received: 6/16/2025 8:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/16/2025 8:00:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	06/20/25 13:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH27 0.5'	E506129-01A	Soil	06/13/25	06/16/25	Glass Jar, 2 oz.
BH27 1'	E506129-02A	Soil	06/13/25	06/16/25	Glass Jar, 2 oz.
BH27 2'	E506129-03A	Soil	06/13/25	06/16/25	Glass Jar, 2 oz.
BH27 3'	E506129-04A	Soil	06/13/25	06/16/25	Glass Jar, 2 oz.
RH27 4'	F506129-05A	Soil	06/13/25	06/16/25	Glass Jar. 2 oz.

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:27:08PM

BH27 0.5' E506129-01

		E500129-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2525035
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2525035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		80.7 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2525058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/20/25	
Surrogate: n-Nonane		116 %	61-141	06/17/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2525049
Chloride	ND	100	5	06/17/25	06/17/25	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:27:08PM

BH27 1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: BA		Batch: 2525035
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2525035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.3 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: RAS		Batch: 2525058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/20/25	
Surrogate: n-Nonane		125 %	61-141	06/17/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: IY		Batch: 2525049
Chloride	ND	200	10	06/17/25	06/18/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:27:08PM

BH27 2'

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: BA		Batch: 2525035
ND	0.0250	1	06/16/25	06/18/25	
ND	0.0250	1	06/16/25	06/18/25	
ND	0.0250	1	06/16/25	06/18/25	
ND	0.0250	1	06/16/25	06/18/25	
ND	0.0500	1	06/16/25	06/18/25	
ND	0.0250	1	06/16/25	06/18/25	
	98.4 %	70-130	06/16/25	06/18/25	
mg/kg	mg/kg	Analyst: BA			Batch: 2525035
ND	20.0	1	06/16/25	06/18/25	
	83.2 %	70-130	06/16/25	06/18/25	
mg/kg	mg/kg	Analyst: RAS			Batch: 2525058
ND	25.0	1	06/17/25	06/20/25	
ND	50.0	1	06/17/25	06/20/25	
	114 %	61-141	06/17/25	06/20/25	
mg/kg	mg/kg	Analys	st: IY		Batch: 2525049
	<u>8</u> 8				
	mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 83.2 % mg/kg MD 25.0 ND 50.0 114 %	mg/kg mg/kg Analys ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg Analys ND 20.0 1 83.2 % 70-130 mg/kg mg/kg Analys ND 25.0 1 ND 50.0 1 114 % 61-141 61-141	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 06/16/25 ND 0.0250 1 06/16/25 ND 0.0250 1 06/16/25 ND 0.0500 1 06/16/25 ND 0.0250 1 06/16/25 ND 0.0250 1 06/16/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/16/25 mg/kg mg/kg Analyst: RAS ND 25.0 1 06/17/25 ND 50.0 1 06/17/25 ND 50.0 1 06/17/25	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/16/25 06/18/25 ND 0.0500 1 06/16/25 06/18/25 ND 0.0250 1 06/16/25 06/18/25 MD 0.0250 1 06/16/25 06/18/25 MB/kg Mg/kg Analyst: BA ND 20.0 1 06/16/25 06/18/25 Mg/kg Mg/kg Analyst: RAS ND 25.0 1 06/16/25 06/20/25 ND 50.0 1 06/17/25 06/20/25 ND 50.0 1 06/17/25 06/20/25

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:27:08PM

BH27 3'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: BA		Batch: 2525035
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2525035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.9 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2525058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/20/25	
Surrogate: n-Nonane		113 %	61-141	06/17/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: IY		Batch: 2525049
Chloride	259	200	10	06/17/25	06/18/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:27:08PM

BH27 4'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2525035
Benzene	ND	0.0250	1	06/16/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/18/25	
Toluene	ND	0.0250	1	06/16/25	06/18/25	
o-Xylene	ND	0.0250	1	06/16/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		95.8 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2525035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.1 %	70-130	06/16/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2525058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/17/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/17/25	06/20/25	
Surrogate: n-Nonane		114 %	61-141	06/17/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: IY		Batch: 2525049
· · · · · · · · · · · · · · · · · · ·	402	200	10	06/17/25	06/18/25	



East Pecos 22-3 Produced Water Gathering Line WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Anna Byers 6/20/2025 1:27:08PM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2525035-BLK1) Prepared: 06/16/25 Analyzed: 06/18/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.72 8.00 96.5 70-130 LCS (2525035-BS1) Prepared: 06/16/25 Analyzed: 06/18/25 5.36 107 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.27 0.0250 5.00 105 70-130 5.32 0.0250 5.00 106 70-130 Toluene 5.29 o-Xylene 0.0250 5.00 106 70-130 10.6 10.0 70-130 0.0500 p.m-Xvlene 106 70-130 15.8 15.0 Total Xylenes 0.0250 8.00 94.2 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.54 Matrix Spike (2525035-MS1) Source: E506127-04 Prepared: 06/16/25 Analyzed: 06/18/25 5.32 0.0250 5.00 ND 70-130 Benzene 5.22 ND 104 70-130 Ethylbenzene 0.0250 5.00 Toluene 5.27 0.0250 5.00 ND 105 70-130 5.25 ND 105 70-130 5.00 0.0250 o-Xylene p,m-Xylene 10.4 0.0500 10.0 ND 104 70-130 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.50 8.00 Matrix Spike Dup (2525035-MSD1) Source: E506127-04 Prepared: 06/16/25 Analyzed: 06/18/25 4.96 0.0250 5.00 ND 99.3 70-130 7.02 27 70-130 4.88 0.0250 5.00 ND 97.7 6.65 26 Ethylbenzene Toluene 4 92 0.0250 5.00 ND 98.5 70-130 6.84 20 4.90 5.00 ND 98.0 70-130 6.87 25 o-Xylene 0.0250

10.0

15.0

8.00

0.0500

0.0250

ND

ND

97.6

97.7

97.0

70-130

70-130

70-130

6.49

6.61



23

26

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

9.76

14.7

7.76

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:27:08PM

Carlsbad NM, 88220		Project Manager	r: Ar	ına Byers				6/20	0/2025 1:27:08PM		
Nonhalogenated Organics by EPA 8015D - GRO Analyst: BA											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2525035-BLK1)							Prepared: 0	6/16/25 Analy	zed: 06/18/25		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.83		8.00		85.4	70-130					
LCS (2525035-BS2)							Prepared: 0	6/16/25 Analy	zed: 06/18/25		
Gasoline Range Organics (C6-C10)	47.8	20.0	50.0		95.6	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.8	70-130					
Matrix Spike (2525035-MS2)				Source:	E506127-	04	Prepared: 0	6/16/25 Analy	zed: 06/18/25		
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.4	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		8.00		86.6	70-130					
Matrix Spike Dup (2525035-MSD2)				Source:	E506127-	04	Prepared: 0	6/16/25 Analy	zed: 06/18/25		
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130	0.157	20			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.4	70-130					

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/20/2025 1:27:08PM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				1	6/20/2025 1:27:08PN		
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: RAS											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2525058-BLK1)							Prepared: 0	6/17/25 Ar	nalyzed: 06/19/25		
Diesel Range Organics (C10-C28)	ND	25.0									
Dil Range Organics (C28-C36)	ND	50.0									
urrogate: n-Nonane	58.6		50.0		117	61-141					
LCS (2525058-BS1)							Prepared: 00	6/17/25 Ar	nalyzed: 06/19/25		
Diesel Range Organics (C10-C28)	277	25.0	250		111	66-144					
urrogate: n-Nonane	56.9		50.0		114	61-141					
Matrix Spike (2525058-MS1)				Source:	E506127-	03	Prepared: 0	6/17/25 Ar	nalyzed: 06/19/25		
Diesel Range Organics (C10-C28)	276	25.0	250	ND	111	56-156					
urrogate: n-Nonane	56.7		50.0		113	61-141					
Matrix Spike Dup (2525058-MSD1)				Source:	E506127-	03	Prepared: 0	6/17/25 Ar	nalyzed: 06/19/25		
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	56-156	0.0193	20			
urrogate: n-Nonane	57.0		50.0		114	61-141					



WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	0	East Pecos 22-3 1058-0007 Anna Byers	Produced	Water Ga	thering Line		Reported: 6/20/2025 1:27:08PM
		Anions l	by EPA	300.0/9056 <i>A</i>	A				Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2525049-BLK1)							Prepared: 0	6/17/25 A	nalyzed: 06/17/25
Chloride	ND	20.0							
LCS (2525049-BS1)							Prepared: 0	6/17/25 A	nalyzed: 06/17/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2525049-MS1)				Source:	E506127-	05	Prepared: 0	6/17/25 A	nalyzed: 06/17/25
Chloride	4480	100	250	4420	22.7	80-120			M4
Matrix Spike Dup (2525049-MSD1)				Source:	E506127-	05	Prepared: 0	6/17/25 A	nalyzed: 06/17/25
Chloride	4440	100	250	4420	10.6	80-120	0.682	20	M4

QC Summary Report Comment:

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



Definitions and Notes

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	06/20/25 13:27

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Chain of Custody



		nt Inform			Inv	oice Information				L	ab Us	e On	ly				TA		State		
	PX Energy P					Energy Permian, LLC	<u></u>	La	b WO)#	SIBIL	Job I				1D 2	D	3D St	d NM	CO UT TX	
Project:	East Pecos 22-	3 Produce	ed Water (Sathering Line	Address: 5315 B	uena Vista Dr.		I E	506	1130	1	316	53	-00	60			х	х		
Project N	/lanager: Anr	na Byers				Carlsbad, NM, 88220)										No.				
Address:	13000 W Co	unty Rd	100		Phone: 575-885-	-7502						Ana	lysis	and	Meth	od			EF	A Program	
City, Sta	e, Zip_Odess	a,TX, 79	765		Email: jim.raley@	@dvn.com													SDWA	CWA RCRA	
Phone: 4	32-305-6415				Miscellaneous: \	NO: 21255735; PN:	19381;	IN:									- 1	1			
Email: N	MTXGeoGrou	up@etec	henv.con	1	nAB1614039576	and nAB16166284	96		15	15							-		Complian	ce Y or N	
									8 %	y 80	12	0	0.0	×	ials i				PWSID #		
				Sample Info	ormation				2 8	80 5	y 80.	826	e 30	- 500	Me		Z.	×	ple or		
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Depth	Lab Numbe	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	000	BGDOC - NM	BGDOC - TX	Sample Temp	Remarks	
12:20	6/13/2025	s	1		BH27		0.5'	1								2	X		5.1		
12:25	6/13/2025	S	1		BH27		1'	2								2	х		5.3		
12:30	6/13/2025	S	1		BH27		2'	3								2	X		5.5		
12:35	6/13/2025	S	1		BH27		3'	4								,	х		4.9		
12:40	6/13/2025	S	1		BH27		4'	5)	X		48		
					,		-														
				061131	2025															4	
				0611-														1		1	
Addition	al Instructio	ns:													C1-2-2-3UND				1		
	oler), attest to the Edyte Konan	validity and	authenticit	of this sample. I am av	vare that tampering with	or intentionally mislabeling	the samp	e location	n, date o	r time	of colle	ction is	consid	dered t	fraud an	d may b	e gr	ounds for	legal action.		
	ed by: (Signatur	e)		06/13/2025	Time	Received by: (Signatu	re) G	onzo	dec	Date 6-13		6-13-25		5 Time		00		pr		equiring thermal nust be received on	
Relinquished by: Signature) Relinquished by: Signature) Date Object		Date 44.25	Time 240	Received by: (Signatu	re)	Y's		Date	-16	-25		Time	80	0		62.50.30		ney are sampled or ed on ice at a temp			
Relinquish	inquished by: (Signature) Date		Time	Received by 18 kmar	Pel C	av.	Simon	Date				Time					above 0 but less than 6°C on subsequent days.				
Relinquish	ed by: (Signatur	e)		Date	Time	Received by: (Signatu	re)		The state of	Date				Time					-	Use Only	
Relinquish	ed by: (Signatur	e)		Date	Time	Received by: (Signatu	re)	d	Date				Time				Received on ice:				
	C C C	alid Sa - Slue	ige A - Aque	ous, O - Other			Contai	ner Typ	e: g - g	lass. I	n - no	v/plas	stic. a	ag - a	mber	plass v	/ - V	/OA			

envirotech Inc.

Printed: 6/16/2025 10:28:24AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	06/16/25 0	08:00		Work Order ID:	E506129
Phone:	(575) 200-6754	Date Logged In:	06/16/25 0	08:56		Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	06/20/25 1	17:00 (4 day TA	AT)		
Chain of	Custody (COC)						
1. Does th	e sample ID match the COC?		Yes				
2. Does th	e number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	imples dropped off by client or carrier?		Yes	Carrie	r: Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	I samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes			Comment	ts/Resolution
Sample T	urn Around Time (TAT)	OII.				<u> </u>	
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>ooler</u>						
7. Was a s	ample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	were custody/security seals intact?		NA				
	e sample received on ice?		Yes				
	Note: Thermal preservation is not required, if samples ar 15 minutes of sampling						
13. See C	OC for individual sample temps. Samples outside o	f 0°C-6°C will be	recorded in	in comments.			
Sample C							
	queous VOC samples present?		No				
	OC 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 no	on-VOC samples collected in the correct containers	?	Yes				
19. Is the a	ppropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab	<u>el</u>						
	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected? ollectors name?		Yes				
	reservation		No				
	the COC or field labels indicate the samples were price to the samples	reserved?	No				
	mple(s) correctly preserved?	ecsor vou.	NA				
	filtration required and/or requested for dissolved me	etals?	No				
	-	• • • • • • • • • • • • • • • • • • • •	110				
	se Sample Matrix he sample have more than one phase, i.e., multipha	aa9	NT				
			No				
•	does the COC specify which phase(s) is to be analy	yzeu?	NA				
	act Laboratory						
	imples required to get sent to a subcontract laborato	-	No				
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA	Subcontract	Lab: NA		
Client In	struction						

Date

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

Report to:
Anna Byers





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E507149

Job Number: 01058-0007

Received: 7/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/22/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 7/22/25

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E507149

Date Received: 7/15/2025 6:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/15/2025 6:45:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line 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

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Raina Schwanz

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Sample Summary

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Danautada
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	07/22/25 13:33

Client Sample ID	Lab Sample ID Matr	x Sampled	Received	Container
BH28 0.5'	E507149-01A Soil	07/10/25	07/15/25	Glass Jar, 2 oz.
BH28 1'	E507149-02A Soil	07/10/25	07/15/25	Glass Jar, 2 oz.
BH28 2'	E507149-03A Soil	07/10/25	07/15/25	Glass Jar, 2 oz.
BH28 3'	E507149-04A Soil	07/10/25	07/15/25	Glass Jar, 2 oz.
BH28 4'	E507149-05A Soil	07/10/25	07/15/25	Glass Jar, 2 oz.
BH29 0.5'	E507149-06A Soil	07/10/25	07/15/25	Glass Jar, 2 oz.
BH29 1'	E507149-07A Soil	07/10/25	07/15/25	Glass Jar, 2 oz.
BH29 2'	E507149-08A Soil	07/10/25	07/15/25	Glass Jar, 2 oz.
BH29 3'	E507149-09A Soil	07/10/25	07/15/25	Glass Jar, 2 oz.
BH29 4'	E507149-10A Soil	07/10/25	07/15/25	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 1:33:24PM

BH28 0.5' E507149-01

	E30/149-01					
Result	Reporting Limit		ıtion	Prepared	Analyzed	Notes
				•	- 11141,204	
			Anaiyst:			Batch: 2529088
		1	ı			
ND	0.0250	1	í			
ND	0.0250	1	1	07/16/25	07/18/25	
ND	0.0250	1	1	07/16/25	07/18/25	
ND	0.0500	1	1	07/16/25	07/18/25	
ND	0.0250	1	1	07/16/25	07/18/25	
	113 %	70-130		07/16/25	07/18/25	
	98.5 %	70-130		07/16/25	07/18/25	
	108 %	70-130		07/16/25	07/18/25	
mg/kg	mg/kg		Analyst:	RKS		Batch: 2529088
ND	20.0	1	1	07/16/25	07/18/25	
	113 %	70-130		07/16/25	07/18/25	
	98.5 %	70-130		07/16/25	07/18/25	
	108 %	70-130		07/16/25	07/18/25	
mg/kg	mg/kg		Analyst:	KH		Batch: 2529113
ND	25.0	1	ı	07/17/25	07/17/25	
ND	50.0	1	1	07/17/25	07/17/25	
	105 %	61-141		07/17/25	07/17/25	
mg/kg	mg/kg		Analyst:	IY		Batch: 2529149
	MD ND ND mg/kg ND mg/kg ND ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 113 % 98.5 % 108 % 108 % mg/kg mg/kg ND 20.0 113 % 98.5 % 108 % 108 % mg/kg mg/kg ND 25.0 ND 50.0 105 %	Reporting Result Limit Dilu mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250 113 % 70-130 98.5 % 70-130 108 % 70-130 98.5 % 70-130 108 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 105 % 61-141	Reporting Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 113 % 70-130 98.5 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 113 % 70-130 108 % mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 105 % 61-141	Reporting Result Limit Dilution Prepared mg/kg Analyst: RKS ND 0.0250 1 07/16/25 ND 0.0250 1 07/16/25 ND 0.0250 1 07/16/25 ND 0.0250 1 07/16/25 ND 0.0500 1 07/16/25 ND 0.0250 1 07/16/25 ND 0.0250 1 07/16/25 98.5 % 70-130 07/16/25 108 % 70-130 07/16/25 mg/kg mg/kg Analyst: RKS ND 20.0 1 07/16/25 98.5 % 70-130 07/16/25 108 % 70-130 07/16/25 mg/kg mg/kg Analyst: KH ND 25.0 1 07/17/25 ND 50.0 1 07/17/25 ND 50.0 1 07/17/25	Reporting Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 07/16/25 07/18/25 ND 0.0500 1 07/16/25 07/18/25 ND 0.0250 1 07/16/25 07/18/25 ND 0.0250 1 07/16/25 07/18/25 98.5 % 70-130 07/16/25 07/18/25 98.5 % 70-130 07/16/25 07/18/25 mg/kg mg/kg Analyst: RKS ND 20.0 1 07/16/25 07/18/25 98.5 % 70-130 07/16/25 07/18/25 98.5 % 70-130 07/16/25 07/18/25 108 % 70-130 07/16/25 07/18/25



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 1:33:24PM

BH28 1' E507149-02

		E30/147-02				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	l Analyzed	Notes
· ·				Analyst: RKS	. I mary zea	Batch: 2529088
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	F			Batch: 2529088
Benzene	ND	0.0250	1	07/16/25		
Ethylbenzene	ND	0.0250	1	07/16/25		
Toluene	ND	0.0250	1	07/16/25		
o-Xylene	ND	0.0250	1	07/16/25		
p,m-Xylene	ND	0.0500	1	07/16/25	07/18/25	
Total Xylenes	ND	0.0250	1	07/16/25	07/18/25	
Surrogate: Bromofluorobenzene		114 %	70-130	07/16/25	07/18/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/16/25	07/18/25	
Surrogate: Toluene-d8		109 %	70-130	07/16/25	07/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: RKS		Batch: 2529088
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/25	07/18/25	
Surrogate: Bromofluorobenzene		114 %	70-130	07/16/25	07/18/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/16/25	07/18/25	
Surrogate: Toluene-d8		109 %	70-130	07/16/25	07/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KH		Batch: 2529113
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/25	07/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/25	07/17/25	
Surrogate: n-Nonane		105 %	61-141	07/17/25	07/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: IY		Batch: 2529149
Chloride	ND	100	5	07/17/25	07/18/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 1:33:24PM

BH28 2' E507149-03

	1230/17/-03				
Pacult	Reporting	Diluti	ion Prepared	Analyzad	Notes
Resuit	Limit	Diluti	ion Prepared	Anaiyzed	Notes
mg/kg	mg/kg	A	analyst: RKS		Batch: 2529088
ND	0.0250	1	07/16/25	07/18/25	
ND	0.0250	1	07/16/25	07/18/25	
ND	0.0250	1	07/16/25	07/18/25	
ND	0.0250	1	07/16/25	07/18/25	
ND	0.0500	1	07/16/25	07/18/25	
ND	0.0250	1	07/16/25	07/18/25	
	111 %	70-130	07/16/25	07/18/25	
	100 %	70-130	07/16/25	07/18/25	
	106 %	70-130	07/16/25	07/18/25	
mg/kg	mg/kg	A	analyst: RKS		Batch: 2529088
ND	20.0	1	07/16/25	07/18/25	
	111 %	70-130	07/16/25	07/18/25	
	100 %	70-130	07/16/25	07/18/25	
	106 %	70-130	07/16/25	07/18/25	
mg/kg	mg/kg	A	analyst: KH		Batch: 2529113
ND	25.0	1	07/17/25	07/17/25	
ND	50.0	1	07/17/25	07/17/25	
	103 %	61-141	07/17/25	07/17/25	
mg/kg	mg/kg	A	analyst: IY		Batch: 2529149
	ND ND ND ND ND ND ND ND ND ND ND ND ND N	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 111 % 100 % 106 % mg/kg ND 20.0 111 % 100 % 106 % 106 % mg/kg mg/kg ND 25.0 ND 50.0	Result Limit Dilut mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 111 % 70-130 100 % 70-130 106 % 70-130 mg/kg mg/kg ND 20.0 1 111 % 70-130 100 % 70-130 106 % 70-130 mg/kg mg/kg ND 25.0 1 ND 50.0 1	Reporting Result Limit Dilution Prepared mg/kg Manalyst: RKS ND 0.0250 1 07/16/25 ND 0.0250 1 07/16/25 ND 0.0250 1 07/16/25 ND 0.0250 1 07/16/25 ND 0.0500 1 07/16/25 ND 0.0250 1 07/16/25 ND 0.0250 1 07/16/25 110% 70-130 07/16/25 100% 70-130 07/16/25 106% 70-130 07/16/25 100% 70-130 07/16/25 106% 70-130 07/16/25 106% 70-130 07/16/25 106% 70-130 07/16/25 106% 70-130 07/16/25 106% 70-130 07/16/25 ND 25.0 1 07/17/25 ND 50.0 1 07/17/25	Reporting Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 07/16/25 07/18/25 ND 0.0250 1 07/16/25 07/18/25 ND 0.0250 1 07/16/25 07/18/25 ND 0.0500 1 07/16/25 07/18/25 ND 0.0250 1 07/16/25 07/18/25 ND 0.0250 1 07/16/25 07/18/25 ND 0.0250 1 07/16/25 07/18/25 111 % 70-130 07/16/25 07/18/25 100 % 70-130 07/16/25 07/18/25 111 % 70-130 07/16/25 07/18/25 111 % 70-130 07/16/25 07/18/25 100 % 70-130 07/16/25 07/18/25 100 % 70-130 07/16/25 07/18/25 106 % 70-130 07/16/25 07



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 1:33:24PM

BH28 3' E507149-04

		Reporting					
Analyte	Result	Limit	Dilut	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RKS			Batch: 2529088
Benzene	ND	0.0250	1	0	7/16/25	07/18/25	
Ethylbenzene	ND	0.0250	1	0	7/16/25	07/18/25	
Toluene	ND	0.0250	1	0	7/16/25	07/18/25	
o-Xylene	ND	0.0250	1	0	7/16/25	07/18/25	
p,m-Xylene	ND	0.0500	1	0	7/16/25	07/18/25	
Total Xylenes	ND	0.0250	1	0	7/16/25	07/18/25	
Surrogate: Bromofluorobenzene		113 %	70-130	0	7/16/25	07/18/25	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	0	7/16/25	07/18/25	
Surrogate: Toluene-d8		109 %	70-130	0	7/16/25	07/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: RKS			Batch: 2529088
Gasoline Range Organics (C6-C10)	ND	20.0	1	0	7/16/25	07/18/25	
Surrogate: Bromofluorobenzene		113 %	70-130	0	7/16/25	07/18/25	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	0	7/16/25	07/18/25	
Surrogate: Toluene-d8		109 %	70-130	0	7/16/25	07/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KH			Batch: 2529113
Diesel Range Organics (C10-C28)	ND	25.0	1	0	7/17/25	07/17/25	_
Oil Range Organics (C28-C36)	ND	50.0	1	0	7/17/25	07/17/25	
Surrogate: n-Nonane		105 %	61-141	0	7/17/25	07/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: IY			Batch: 2529149
Chloride	744	200	10	0	7/17/25	07/18/25	

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 1:33:24PM

BH28 4' E507149-05

		E50/149-05					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst:	RKS		Batch: 2529088
Benzene	ND	0.0250	1		07/16/25	07/18/25	
Ethylbenzene	ND	0.0250	1		07/16/25	07/18/25	
Toluene	ND	0.0250	1		07/16/25	07/18/25	
o-Xylene	ND	0.0250	1		07/16/25	07/18/25	
p,m-Xylene	ND	0.0500	1		07/16/25	07/18/25	
Total Xylenes	ND	0.0250	1		07/16/25	07/18/25	
Surrogate: Bromofluorobenzene		112 %	70-130		07/16/25	07/18/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		07/16/25	07/18/25	
Surrogate: Toluene-d8		108 %	70-130		07/16/25	07/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst:	RKS		Batch: 2529088
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/16/25	07/18/25	
Surrogate: Bromofluorobenzene		112 %	70-130		07/16/25	07/18/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		07/16/25	07/18/25	
Surrogate: Toluene-d8		108 %	70-130		07/16/25	07/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst:	KH		Batch: 2529113
Diesel Range Organics (C10-C28)	ND	25.0	1		07/17/25	07/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1		07/17/25	07/17/25	
Surrogate: n-Nonane		104 %	61-141		07/17/25	07/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst:	IY		Batch: 2529149
Chloride	833	200	10	0	07/17/25	07/18/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 1:33:24PM

BH29 0.5' E507149-06

	Reporting					
Result	Limit	Dil	ution	Prepared	Analyzed	Notes
mg/kg mg/kg			Analyst: RKS			Batch: 2529088
ND	0.0250		1	07/16/25	07/18/25	
ND	0.0250		1	07/16/25	07/18/25	
ND	0.0250		1	07/16/25	07/18/25	
ND	0.0250		1	07/16/25	07/18/25	
ND	0.0500		1	07/16/25	07/18/25	
ND	0.0250		1	07/16/25	07/18/25	
	110 %	70-130		07/16/25	07/18/25	
	100 %	70-130		07/16/25	07/18/25	
	106 %	70-130		07/16/25	07/18/25	
mg/kg	mg/kg	Analyst: RKS				Batch: 2529088
ND	20.0		1	07/16/25	07/18/25	
	110 %	70-130		07/16/25	07/18/25	
	100 %	70-130		07/16/25	07/18/25	
	106 %	70-130		07/16/25	07/18/25	
mg/kg	mg/kg		Analyst	KH		Batch: 2529113
ND	25.0		1	07/17/25	07/17/25	
ND	50.0		1	07/17/25	07/17/25	
	101 %	61-141		07/17/25	07/17/25	
mg/kg	mg/kg		Analyst	IY		Batch: 2529149
ND	100		5	07/17/25	07/18/25	
	ND ND ND ND ND ND ND ND ND ND ND ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ID 0.0250 ID 100 % IO 106 % mg/kg mg/kg ND 20.0 IIO % 100 % IOO % 106 % mg/kg mg/kg ND 25.0 ND 50.0 IOI % mg/kg mg/kg mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 110 % 70-130 100 % 70-130 106 % 70-130 100 % 70-130 106 % 70-130 106 % 70-130 106 % 70-130 106 % 70-130 106 % 70-130 106 % 70-130 106 % 70-130 107 % 61-141 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 100 % 70-130 106 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 110 % 70-130 1 106 % 70-130 1 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 101 % 61-141 mg/kg mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 07/16/25 ND 0.0250 1 07/16/25 ND 0.0250 1 07/16/25 ND 0.0250 1 07/16/25 ND 0.0500 1 07/16/25 ND 0.0250 1 07/16/25 ND 70-130 07/16/25 100 % 70-130 07/16/25 106 % 70-130 07/16/25 mg/kg mg/kg Analyst: RKS ND 20.0 1 07/16/25 100 % 70-130 07/16/25 100 % 70-130 07/16/25 106 % 70-130 07/16/25 mg/kg mg/kg Analyst: KH ND 25.0 1 07/17/25 ND 50.0 1 07/17/25 mg/kg mg/kg Analyst: KH	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 07/16/25 07/18/25 ND 0.0500 1 07/16/25 07/18/25 ND 0.0250 1 07/16/25 07/18/25 ND 0.0250 1 07/16/25 07/18/25 100 % 70-130 07/16/25 07/18/25 100 % 70-130 07/16/25 07/18/25 mg/kg mg/kg Analyst: RKS ND 20.0 1 07/16/25 07/18/25 100 % 70-130 07/16/25 07/18/25 100 % 70-130 07/16/25 07/18/25 106 % 70-130 07/16/25 07/18/25 106 % 70-130



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 1:33:24PM

BH29 1'

		E507149-07					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg mg/kg Ana		Analyst: RKS			Batch: 2529088	
Benzene	ND	0.0250		1	07/16/25	07/19/25	
Ethylbenzene	ND	0.0250		1	07/16/25	07/19/25	
Toluene	ND	0.0250		1	07/16/25	07/19/25	
o-Xylene	ND	0.0250		1	07/16/25	07/19/25	
p,m-Xylene	ND	0.0500		1	07/16/25	07/19/25	
Total Xylenes	ND	0.0250		1	07/16/25	07/19/25	
Surrogate: Bromofluorobenzene		111 %	70-130		07/16/25	07/19/25	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		07/16/25	07/19/25	
Surrogate: Toluene-d8		106 %	70-130		07/16/25	07/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	RKS		Batch: 2529088
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/16/25	07/19/25	
Surrogate: Bromofluorobenzene		111 %	70-130		07/16/25	07/19/25	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		07/16/25	07/19/25	
Surrogate: Toluene-d8		106 %	70-130		07/16/25	07/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	KH		Batch: 2529113
Diesel Range Organics (C10-C28)	ND	25.0	•	1	07/17/25	07/17/25	
Oil Range Organics (C28-C36)	ND	50.0		1	07/17/25	07/17/25	
Surrogate: n-Nonane		98.3 %	61-141		07/17/25	07/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	IY		Batch: 2529149
Chloride	120	40.0	:	2	07/17/25	07/18/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 1:33:24PM

BH29 2'

		E507149-08					
		Reporting					
Analyte	Result	Limit	Dilı	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RKS		Batch: 2529088
Benzene	ND	0.0250		1	07/16/25	07/19/25	
Ethylbenzene	ND	0.0250		1	07/16/25	07/19/25	
Toluene	ND	0.0250		1	07/16/25	07/19/25	
o-Xylene	ND	0.0250		1	07/16/25	07/19/25	
p,m-Xylene	ND	0.0500		1	07/16/25	07/19/25	
Total Xylenes	ND	0.0250		1	07/16/25	07/19/25	
Surrogate: Bromofluorobenzene		113 %	70-130		07/16/25	07/19/25	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		07/16/25	07/19/25	
Surrogate: Toluene-d8		109 %	70-130		07/16/25	07/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	RKS		Batch: 2529088
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/16/25	07/19/25	
Surrogate: Bromofluorobenzene		113 %	70-130		07/16/25	07/19/25	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		07/16/25	07/19/25	
Surrogate: Toluene-d8		109 %	70-130		07/16/25	07/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	KH		Batch: 2529113
Diesel Range Organics (C10-C28)	ND	25.0		1	07/17/25	07/17/25	
Oil Range Organics (C28-C36)	ND	50.0		1	07/17/25	07/17/25	
Surrogate: n-Nonane		101 %	61-141		07/17/25	07/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	IY		Batch: 2529149
Chloride	200	40.0	-	2	07/17/25	07/18/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 1:33:24PM

BH29 3' E507149-09

		200.117 07					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg mg/kg			Analyst:	RKS	<u> </u>	Batch: 2529088
Benzene	ND	0.0250		1	07/16/25	07/19/25	
Ethylbenzene	ND	0.0250		1	07/16/25	07/19/25	
Toluene	ND	0.0250		1	07/16/25	07/19/25	
o-Xylene	ND	0.0250		1	07/16/25	07/19/25	
p,m-Xylene	ND	0.0500		1	07/16/25	07/19/25	
Total Xylenes	ND	0.0250		1	07/16/25	07/19/25	
Surrogate: Bromofluorobenzene		111 %	70-130		07/16/25	07/19/25	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		07/16/25	07/19/25	
Surrogate: Toluene-d8		108 %	70-130		07/16/25	07/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2529088
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/16/25	07/19/25	
Surrogate: Bromofluorobenzene		111 %	70-130		07/16/25	07/19/25	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		07/16/25	07/19/25	
Surrogate: Toluene-d8		108 %	70-130		07/16/25	07/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KH		Batch: 2529113
Diesel Range Organics (C10-C28)	ND	25.0		1	07/17/25	07/17/25	
Oil Range Organics (C28-C36)	ND	50.0	:	1	07/17/25	07/17/25	
Surrogate: n-Nonane		103 %	61-141		07/17/25	07/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: IY		Batch: 2529149
Chloride	282	20.0		1	07/17/25	07/17/25	_

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 1:33:24PM

BH29 4' E507149-10

Reporting Limit	Dilu			
Limit	1,11111		Analyzed	Notes
	Dila	tion Prepared	Anaryzeu	Notes
mg/kg	I	Analyst: RKS		Batch: 2529088
0.0250	1	07/16/25	07/19/25	
0.0250	1	07/16/25	07/19/25	
0.0250	1	07/16/25	07/19/25	
0.0250	1	07/16/25	07/19/25	
0.0500	1	07/16/25	07/19/25	
0.0250	1	07/16/25	07/19/25	
113 %	70-130	07/16/25	07/19/25	
96.6 %	70-130	07/16/25	07/19/25	
110 %	70-130	07/16/25	07/19/25	
mg/kg	Analyst: RKS			Batch: 2529088
20.0	1	07/16/25	07/19/25	
113 %	70-130	07/16/25	07/19/25	
96.6 %	70-130	07/16/25	07/19/25	
110 %	70-130	07/16/25	07/19/25	
mg/kg		Analyst: KH		Batch: 2529113
25.0	1	07/17/25	07/17/25	
50.0	1	07/17/25	07/17/25	
100 %	61-141	07/17/25	07/17/25	
mg/kg		Analyst: IY		Batch: 2529149
20.0	1	07/17/25	07/18/25	
	0.0250 0.0250 0.0250 0.0500 0.0250 113 % 96.6 % 110 % mg/kg 20.0 113 % 96.6 % 110 % mg/kg 110 % mg/kg 110 %	0.0250 1 0.0250 1 0.0250 1 0.0250 1 0.0500 1 0.0250 1 0.0250 1 113 % 70-130 110 % 70-130 110 % 70-130 110 % 70-130 110 % 70-130 110 % 70-130 110 % 70-130 110 % 70-130 110 % 61-141 110 % 61-141 110 % 61-141	0.0250 1 07/16/25 0.0250 1 07/16/25 0.0250 1 07/16/25 0.0500 1 07/16/25 0.0250 1 07/16/25 0.0250 1 07/16/25 113 % 70-130 07/16/25 110 % 70-130 07/16/25 110 % 70-130 07/16/25 113 % 70-130 07/16/25 110 % 70-130 07/16/25 110 % 70-130 07/16/25 110 % 70-130 07/16/25 110 % 70-130 07/16/25 110 % 70-130 07/16/25 110 % 70-130 07/16/25 110 % 70-130 07/16/25 110 % 70-130 07/16/25 110 % 70-130 07/16/25 110 % 70-130 07/16/25 110 % 70-130 07/16/25 110 % 70-130 07/16/25 110 % 70-130 07/16/25 110 % 70-130 07/16/25 110 % Analyst: KH	0.0250 1 07/16/25 07/19/25 0.0250 1 07/16/25 07/19/25 0.0250 1 07/16/25 07/19/25 0.0500 1 07/16/25 07/19/25 0.0250 1 07/16/25 07/19/25 0.0250 1 07/16/25 07/19/25 113 % 70-130 07/16/25 07/19/25 110 % 70-130 07/16/25 07/19/25 110 % 70-130 07/16/25 07/19/25 110 % 70-130 07/16/25 07/19/25 110 % 70-130 07/16/25 07/19/25 113 % 70-130 07/16/25 07/19/25 113 % 70-130 07/16/25 07/19/25 110 % 70-130 07/16/25 07/19/25



Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

QC Summary Data

East Pecos 22-3 Produced Water Gathering Line WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Anna Byers 7/22/2025 1:33:24PM Volatile Organic Compounds by EPA 8260B Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2529088-BLK1) Prepared: 07/16/25 Analyzed: 07/18/25 ND 0.0250 Ethylbenzene ND 0.0250 Toluene ND 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: Bromofluorobenzene 0.551 0.500 110 70-130 Surrogate: 1,2-Dichloroethane-d4 0.501 0.500 100 70-130 0.500 106 70-130 Surrogate: Toluene-d8 0.532 LCS (2529088-BS1) Prepared: 07/16/25 Analyzed: 07/18/25 2.34 0.0250 2.50 93.5 70-130 Benzene 2.45 2.50 97.8 70-130 Ethylbenzene 0.0250 2.32 0.0250 2.50 92.8 70-130 2.35 2.50 93.8 70-130 o-Xylene 0.0250 94.2 4.71 5.00 70-130 p,m-Xylene 0.0500 7.05 0.0250 7.50 94.1 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.558 0.500 112 70-130 0.500 98.2 70-130 Surrogate: 1,2-Dichloroethane-d4 0.491 Surrogate: Toluene-d8 0.500 70-130 0.521 Matrix Spike (2529088-MS1) Source: E507149-06 Prepared: 07/16/25 Analyzed: 07/18/25 48-131 2.16 0.0250 2.50 ND 86.5

Surrogate: Toluene-d8	0.523		0.500		105	70-130			
Matrix Spike Dup (2529088-MSD1)				Source:	E507149-0	06	Prepared: 07	7/16/25 Analyzed: 07/18/25	
Benzene	2.24	0.0250	2.50	ND	89.7	48-131	3.61	23	
Ethylbenzene	2.43	0.0250	2.50	ND	97.3	45-135	4.41	27	
Toluene	2.29	0.0250	2.50	ND	91.4	48-130	4.04	24	
o-Xylene	2.38	0.0250	2.50	ND	95.2	43-135	4.88	27	
p,m-Xylene	4.73	0.0500	5.00	ND	94.7	43-135	4.55	27	
Total Xylenes	7.11	0.0250	7.50	ND	94.9	43-135	4.66	27	
Surrogate: Bromofluorobenzene	0.560		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			

0.500

2.50

2.50

2.50

5.00

7.50

0.500

0.500

2.33

2.20

2.27

4.52

6.79

0.562

0.489

0.526

0.0250

0.0250

0.0250

0.0500

0.0250

ND

ND

ND

ND

ND

93.1

87.8

90.7

90.5

90.5

112

97.8

105

45-135

48-130

43-135

43-135

43-135

70-130

70-130

70-130

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 1:33:24PM

5315 Buena Vista Dr Carlsbad NM, 88220		Project Number Project Manager		058-0007 ina Byers					7/22/2025 1:33:24PM		
	Non	Nonhalogenated Organics by EPA					8015D - GRO				
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2529088-BLK1)							Prepared: 0	7/16/25 A	Analyzed: 07/18/25		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: Bromofluorobenzene	0.551		0.500		110	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130					
Surrogate: Toluene-d8	0.532		0.500		106	70-130					
LCS (2529088-BS2)							Prepared: 0	7/16/25 A	Analyzed: 07/18/25		
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0		100	70-130					
Surrogate: Bromofluorobenzene	0.558		0.500		112	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130					
Surrogate: Toluene-d8	0.551		0.500		110	70-130					
Matrix Spike (2529088-MS2)				Source:	E507149-0	06	Prepared: 0	7/16/25 A	Analyzed: 07/18/25		
Gasoline Range Organics (C6-C10)	55.3	20.0	50.0	ND	111	70-130					
Surrogate: Bromofluorobenzene	0.561		0.500		112	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130					
Surrogate: Toluene-d8	0.542		0.500		108	70-130					
Matrix Spike Dup (2529088-MSD2)				Source:	E507149-0	06	Prepared: 0	7/16/25 A	Analyzed: 07/18/25		
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.1	70-130	15.0	20			
Surrogate: Bromofluorobenzene	0.555		0.500		111	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130					
Surrogate: Toluene-d8	0.538		0.500		108	70-130					



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 1:33:24PM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				,	7/22/2025 1:33:24PN
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	ORO/			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2529113-BLK1)							Prepared: 0	7/17/25 Ar	nalyzed: 07/17/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.1		50.0		98.2	61-141			
LCS (2529113-BS1)							Prepared: 0	7/17/25 Ar	nalyzed: 07/17/25
Diesel Range Organics (C10-C28)	247	25.0	250		98.8	66-144			
Surrogate: n-Nonane	47.3		50.0		94.5	61-141			
Matrix Spike (2529113-MS1)				Source:	E507148-0	01	Prepared: 0	7/17/25 Ar	nalyzed: 07/17/25
Diesel Range Organics (C10-C28)	250	25.0	250	ND	99.8	56-156			
Surrogate: n-Nonane	49.0		50.0		97.9	61-141			
Matrix Spike Dup (2529113-MSD1)				Source:	E507148-0	01	Prepared: 0	7/17/25 Ar	nalyzed: 07/17/25
Diesel Range Organics (C10-C28)	261	25.0	250	ND	105	56-156	4.61	20	
Surrogate: n-Nonane	51.0		50.0		102	61-141			

WPX Energy - Carlsbad		Project Name:		East Pecos 22-3	Produced	Water Ga	thering Line		Reported:
5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager		1058-0007 Anna Byers					7/22/2025 1:33:24PM
		Anions	by EPA	300.0/905 6 <i>A</i>	4				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2529149-BLK1)							Prepared: 0	7/17/25 A	nalyzed: 07/17/25
Chloride	ND	20.0							
LCS (2529149-BS1)							Prepared: 0	7/17/25 A	nalyzed: 07/17/25
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2529149-MS1)				Source:	E507149-	09	Prepared: 0	7/17/25 A	nalyzed: 07/17/25
Chloride	523	20.0	250	282	96.6	80-120			
Matrix Spike Dup (2529149-MSD1)				Source:	E507149-	09	Prepared: 0	7/17/25 A	nalyzed: 07/17/25
Chloride	533	20.0	250	282	100	80-120	1.82	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:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	07/22/25 13:33

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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





	Clic	ent Inforn	mation		I In	voice Information					- h 11							AT		г	—	Stat	-	
Client, V	/PX Energy P					Energy Permian, LLC.			Lab Use Only T Lab WO# Job Number 1D 2D						Los I	ļ Ļ								
				Gathering Line			<u>. </u>	₩	1 MO	507149 0068			Num	per 111		1D)	<u> 20</u>	3D				CO U1	<u>111X</u>	₩
			ed water d	sathering Line	Address: 5315 Buena Vista Dr. City, State, Zip: Carlsbad, NM, 88220			—#	<u> </u>	45	Ц_	M	70.7	w	4	Щ	L	Щ.	<u> × </u>	ı L	X		Ш_	Щ
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ļ				5ample Inf	ormation					₽	8	82	×	ġ	ž		Ž	😤		몽	2			
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Depth	Lab Numb		GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		SGDOC - NM	3GDOC - TX		Sample	į	Re	emarks	
12:05	7/10/2025	s	1		BH28		0.5	\prod						İ			х			2.0	эŢ			
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Addition	al Instructio	ns:															······		٠		.			
I, (field same	oler), attest to the	a validity and	authenticity	of this sample. I am aw	ere that tampering with or	r intentionally mislabeling the	e sample	location,	date or ti	me of c	ollectio	on is co	nsidera	ed fraue	d and	may b	e grou	nds for	r legal r	ection.		—		$\overline{}$
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Note: Sam:	ples are discard	ed 14 days	after result	s are reported unless	other arrangements are	e made. Hazardous sampl	les will l	oe return	ed to cli	ent or	dispo	sed of	at the	ctient	expe	ense. 1	The re	port f	or the	analysi	s of t	he abov	e samp	les is
applicable	antu ta thasa s:	amples cece	aived by the	faharatancuith this	COC. The liability of the	laboratory is limited to th	ne amo:	ant naid f	or on th	e remo	**													

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Printed: 7/15/2025 10:55:48AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

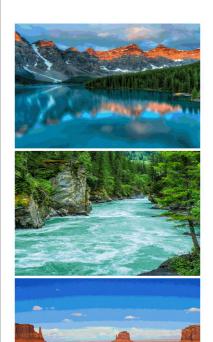
Instructions: Please take note of any NO checkmarks.

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:	07/15/25	06:45	Work Order ID	: E507149
Phone:	(575) 200-6754	Date Logged In:	07/14/25	14:43	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	07/22/25	17:00 (5 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Cou	<u>rier</u>	
	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Comme</u>	ents/Resolution
Sample T	<u> </u>					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	were custody/security seals intact?		NA			
	e sample received on ice?		Yes			
	Note: Thermal preservation is not required, if samples at 15 minutes of sampling					
13. See C	OC for individual sample temps. Samples outside of	of 0°C-6°C will be	recorded	in comments.		
	Container					
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers		Yes			
19. Is the	appropriate volume/weight or number of sample contain	iners collected?	Yes			
	oel field sample labels filled out with the minimum inf ample ID?	ormation:	Yes			
	rate/Time Collected?		Yes			
	ollectors name?		Yes			
Sample P	<u>reservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filtration required and/or requested for dissolved m	etals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ase?	No			
27. If yes	, does the COC specify which phase(s) is to be anal	yzed?	NA			
Subcontr	ract Laboratory					
28. Are sa	amples required to get sent to a subcontract laborate	ory?	No			
	subcontract laboratory specified by the client and i	•	NA	Subcontract Lab: N	JA	
	nstruction			200000000000000000000000000000000000000		
<u>CHCHC II</u>	isti uction					

Date

Report to:
Anna Byers





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: East Pecos 22-3 Produced Water

Gathering Line

Work Order: E507148

Job Number: 01058-0007

Received: 7/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/22/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 7/22/25

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: East Pecos 22-3 Produced Water Gathering Line

Workorder: E507148

Date Received: 7/15/2025 6:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/15/2025 6:45:00AM, under the Project Name: East Pecos 22-3 Produced Water Gathering Line.

The analytical test results summarized in this report with the Project Name: East Pecos 22-3 Produced Water Gathering Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Sample Summary

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Danautada
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	07/22/25 06:57

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH30 0.5'	E507148-01A	Soil	07/11/25	07/15/25	Glass Jar, 2 oz.
BH30 1'	E507148-02A	Soil	07/11/25	07/15/25	Glass Jar, 2 oz.
BH30 2'	E507148-03A	Soil	07/11/25	07/15/25	Glass Jar, 2 oz.
BH30 3'	E507148-04A	Soil	07/11/25	07/15/25	Glass Jar, 2 oz.
BH31 0.5'	E507148-05A	Soil	07/11/25	07/15/25	Glass Jar, 2 oz.
BH31 1'	E507148-06A	Soil	07/11/25	07/15/25	Glass Jar, 2 oz.
BH31 2'	E507148-07A	Soil	07/11/25	07/15/25	Glass Jar, 2 oz.
BH31 3'	E507148-08A	Soil	07/11/25	07/15/25	Glass Jar, 2 oz.

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 6:57:07AM

BH30 0.5' E507148-01

	E30/146-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	rst: RKS		Batch: 2529077
ND	0.0250	1	07/15/25	07/18/25	
ND	0.0250	1	07/15/25	07/18/25	
ND	0.0250	1	07/15/25	07/18/25	
ND	0.0250	1	07/15/25	07/18/25	
ND	0.0500	1	07/15/25	07/18/25	
ND	0.0250	1	07/15/25	07/18/25	
	90.2 %	70-130	07/15/25	07/18/25	
mg/kg	mg/kg	Analy	rst: RKS		Batch: 2529077
ND	20.0	1	07/15/25	07/18/25	
	94.2 %	70-130	07/15/25	07/18/25	
mg/kg	mg/kg	Analy	rst: KH		Batch: 2529113
ND	25.0	1	07/17/25	07/17/25	
ND	50.0	1	07/17/25	07/17/25	
	96.2 %	61-141	07/17/25	07/17/25	
mg/kg	mg/kg	Analy	rst: IY		Batch: 2529131
ND	100	5	07/17/25	07/17/25	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MD 20.0 94.2 % mg/kg MD 25.0 ND 50.0 96.2 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 90.2 % 70-130 70-130 mg/kg mg/kg Analy ND 20.0 1 Mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 Mg/kg 61-141 4 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: RKS ND 0.0250 1 07/15/25 ND 0.0250 1 07/15/25 ND 0.0250 1 07/15/25 ND 0.0250 1 07/15/25 ND 0.0500 1 07/15/25 ND 0.0250 1 07/15/25 mg/kg Malyst: RKS ND 20.2 % 70-130 07/15/25 mg/kg Malyst: RKS ND 20.0 1 07/15/25 mg/kg Mg/kg Analyst: KH ND 25.0 1 07/17/25 ND 50.0 1 07/17/25 Mg/kg 61-141 07/17/25 mg/kg mg/kg Analyst: IY	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 07/15/25 07/18/25 ND 0.0500 1 07/15/25 07/18/25 ND 0.0250 1 07/15/25 07/18/25 mg/kg mg/kg Analyst: RKS ND 20.0 1 07/15/25 07/18/25 mg/kg mg/kg Analyst: RKS ND 20.0 1 07/15/25 07/18/25 mg/kg mg/kg Analyst: KH ND 25.0 1 07/17/25 07/17/25 ND 50.0 1 07/17/25 07/17/25 ND 50.0 1 07/17/25 07/17/25

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 6:57:07AM

BH30 1'

E507148-02									
Reporting									
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes			
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2529077			
Benzene	ND	0.0250	1	07/15/25	07/18/25				
Ethylbenzene	ND	0.0250	1	07/15/25	07/18/25				
Toluene	ND	0.0250	1	07/15/25	07/18/25				
o-Xylene	ND	0.0250	1	07/15/25	07/18/25				
p,m-Xylene	ND	0.0500	1	07/15/25	07/18/25				
Total Xylenes	ND	0.0250	1	07/15/25	07/18/25				
Surrogate: 4-Bromochlorobenzene-PID		88.3 %	70-130	07/15/25	07/18/25				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2529077			
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/25	07/18/25				
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	07/15/25	07/18/25				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2529113			
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/25	07/17/25				
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/25	07/17/25				
Surrogate: n-Nonane		98.5 %	61-141	07/17/25	07/17/25				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2529131			
Chloride	ND	100	5	07/17/25	07/17/25				



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 6:57:07AM

BH30 2'

E507148-03

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2529077
Benzene	ND	0.0250	1	07/15/25	07/18/25	
Ethylbenzene	ND	0.0250	1	07/15/25	07/18/25	
Toluene	ND	0.0250	1	07/15/25	07/18/25	
o-Xylene	ND	0.0250	1	07/15/25	07/18/25	
p,m-Xylene	ND	0.0500	1	07/15/25	07/18/25	
Total Xylenes	ND	0.0250	1	07/15/25	07/18/25	
Surrogate: 4-Bromochlorobenzene-PID		89.1 %	70-130	07/15/25	07/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2529077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/25	07/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	07/15/25	07/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KH		Batch: 2529113
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/25	07/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/25	07/17/25	
Surrogate: n-Nonane		102 %	61-141	07/17/25	07/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2529131
Amons by E171500:0/703011						



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 6:57:07AM

BH30 3'

		E507148-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2529077
Benzene	ND	0.0250	1	07/15/25	07/18/25	
Ethylbenzene	ND	0.0250	1	07/15/25	07/18/25	
Toluene	ND	0.0250	1	07/15/25	07/18/25	
o-Xylene	ND	0.0250	1	07/15/25	07/18/25	
p,m-Xylene	ND	0.0500	1	07/15/25	07/18/25	
Total Xylenes	ND	0.0250	1	07/15/25	07/18/25	
Surrogate: 4-Bromochlorobenzene-PID		87.8 %	70-130	07/15/25	07/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2529077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/25	07/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	07/15/25	07/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KH		Batch: 2529113
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/25	07/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/25	07/17/25	
Surrogate: n-Nonane		96.1 %	61-141	07/17/25	07/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2529131
Chloride	1530	200	10	07/17/25	07/17/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 6:57:07AM

BH31 0.5'

		E507148-05							
Reporting									
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes			
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2529077			
Benzene	ND	0.0250	1	07/15/25	07/18/25				
Ethylbenzene	ND	0.0250	1	07/15/25	07/18/25				
Toluene	ND	0.0250	1	07/15/25	07/18/25				
o-Xylene	ND	0.0250	1	07/15/25	07/18/25				
p,m-Xylene	ND	0.0500	1	07/15/25	07/18/25				
Total Xylenes	ND	0.0250	1	07/15/25	07/18/25				
Surrogate: 4-Bromochlorobenzene-PID		87.6 %	70-130	07/15/25	07/18/25				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2529077			
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/25	07/18/25				
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	07/15/25	07/18/25				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KH		Batch: 2529113			
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/25	07/17/25				
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/25	07/17/25				
Surrogate: n-Nonane		101 %	61-141	07/17/25	07/17/25				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2529131			
Chloride	ND	200	10	07/17/25	07/17/25				



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 6:57:07AM

BH31 1'

E507148-06

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2529077
Benzene	ND	0.0250	1	07/15/25	07/16/25	
Ethylbenzene	ND	0.0250	1	07/15/25	07/16/25	
Toluene	ND	0.0250	1	07/15/25	07/16/25	
o-Xylene	ND	0.0250	1	07/15/25	07/16/25	
p,m-Xylene	ND	0.0500	1	07/15/25	07/16/25	
Total Xylenes	ND	0.0250	1	07/15/25	07/16/25	
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	07/15/25	07/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2529077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/25	07/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	07/15/25	07/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2529113
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/25	07/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/25	07/17/25	
Surrogate: n-Nonane		101 %	61-141	07/17/25	07/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2529131
Chloride	165	100	5	07/17/25	07/17/25	•



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 6:57:07AM

BH31 2'

		E507148-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2529077
Benzene	ND	0.0250	1	07/15/25	07/18/25	
Ethylbenzene	ND	0.0250	1	07/15/25	07/18/25	
Toluene	ND	0.0250	1	07/15/25	07/18/25	
o-Xylene	ND	0.0250	1	07/15/25	07/18/25	
p,m-Xylene	ND	0.0500	1	07/15/25	07/18/25	
Total Xylenes	ND	0.0250	1	07/15/25	07/18/25	
Surrogate: 4-Bromochlorobenzene-PID		88.2 %	70-130	07/15/25	07/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2529077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/25	07/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	07/15/25	07/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KH		Batch: 2529113
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/25	07/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/25	07/17/25	
Surrogate: n-Nonane		98.0 %	61-141	07/17/25	07/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: IY		Batch: 2529131
Chloride	527	200	10	07/17/25	07/17/25	



WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 6:57:07AM

BH31 3'

E5071	48-	08
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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2529077
Benzene	ND	0.0250	1	07/15/25	07/18/25	
Ethylbenzene	ND	0.0250	1	07/15/25	07/18/25	
Toluene	ND	0.0250	1	07/15/25	07/18/25	
o-Xylene	ND	0.0250	1	07/15/25	07/18/25	
p,m-Xylene	ND	0.0500	1	07/15/25	07/18/25	
Total Xylenes	ND	0.0250	1	07/15/25	07/18/25	
Surrogate: 4-Bromochlorobenzene-PID		87.2 %	70-130	07/15/25	07/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2529077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/25	07/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	07/15/25	07/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2529113
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/25	07/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/25	07/17/25	
Surrogate: n-Nonane		101 %	61-141	07/17/25	07/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2529131
Chloride	517	200	10	07/17/25	07/17/25	·



		Q C D	4111111	ir y Dat	••				
WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		ast Pecos 22-3	3 Produced	l Water Ga	thering Line		Reported:
Carlsbad NM, 88220		Project Number: Project Manager:		nna Byers					7/22/2025 6:57:07AM
	Volatile Organics by EPA 8021B								
				Source		Rec		RPD	Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2529077-BLK1)							Prepared: 0	7/15/25 A	Analyzed: 07/16/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.1	70-130			
LCS (2529077-BS1)							Prepared: 0	7/15/25 A	Analyzed: 07/16/25
Benzene	5.51	0.0250	5.00		110	70-130			
Ethylbenzene	5.45	0.0250	5.00		109	70-130			
Toluene	5.48	0.0250	5.00		110	70-130			
o-Xylene	5.48	0.0250	5.00		110	70-130			
p,m-Xylene	11.1	0.0500	10.0		111	70-130			
Total Xylenes	16.5	0.0250	15.0		110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			
Matrix Spike (2529077-MS1)				Source:	E507148-	06	Prepared: 0	7/15/25 A	Analyzed: 07/16/25
Benzene	5.37	0.0250	5.00	ND	107	70-130			
Ethylbenzene	5.30	0.0250	5.00	ND	106	70-130			
Toluene	5.34	0.0250	5.00	ND	107	70-130			
p-Xylene	5.37	0.0250	5.00	ND	107	70-130			
p,m-Xylene	10.8 16.2	0.0500	10.0 15.0	ND ND	108 108	70-130 70-130			
Total Xylenes Surrogate: 4-Bromochlorobenzene-PID	7.96	0.0250	8.00	ND	99.5	70-130			
	,,,,			_					
Matrix Spike Dup (2529077-MSD1)				Source:	E507148-	06	Prepared: 0		Analyzed: 07/16/25
Benzene	5.89	0.0250	5.00	ND	118	70-130	9.11	27	
Ethylbenzene	5.82	0.0250	5.00	ND	116	70-130	9.32	26	
Toluene	5.86	0.0250	5.00	ND	117	70-130	9.19	20	
o-Xylene	5.84	0.0250	5.00	ND	117	70-130	8.32	25	
p,m-Xylene	11.8	0.0500	10.0	ND	118	70-130	8.98	23	
Total Villance	17.6	0.0250	15.0	ND	110	70 120	9.76	26	



17.6

7.92

0.0250

15.0

8.00

ND

118

70-130

70-130

8.76

26

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	East Pecos 22-3 Produced Water Gathering Line 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 6:57:07AM

Carlsbad NM, 88220		Project Manage	r: Aı	nna Byers				7/2	2/2025 6:57:07AN
	Nor	halogenated	Organics	by EPA 80	15D - Gl	RO		1	Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2529077-BLK1)							Prepared: 0	7/15/25 Anal	yzed: 07/16/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			
LCS (2529077-BS2)							Prepared: 0	7/15/25 Anal	yzed: 07/16/25
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0		85.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.3	70-130			
Matrix Spike (2529077-MS2)				Source:	E507148-	06	Prepared: 0	7/15/25 Anal	yzed: 07/16/25
Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	ND	83.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			
Matrix Spike Dup (2529077-MSD2)				Source:	E507148-	06	Prepared: 0	7/15/25 Anal	yzed: 07/16/25
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.3	70-130	12.2	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.7	70-130			

WPX Energy - Carlsbad	Project Name:	East Pecos 22-3 Produced Water Gathering Line	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/22/2025 6:57:07AM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers					7/22/2025 6:57:07AN
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2529113-BLK1)							Prepared: 0	7/17/25 Aı	nalyzed: 07/17/25
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	49.1		50.0		98.2	61-141			
LCS (2529113-BS1)							Prepared: 0	7/17/25 Aı	nalyzed: 07/17/25
Diesel Range Organics (C10-C28)	247	25.0	250		98.8	66-144			
urrogate: n-Nonane	47.3		50.0		94.5	61-141			
Matrix Spike (2529113-MS1)				Source:	E507148-0	01	Prepared: 0	7/17/25 Aı	nalyzed: 07/17/25
Diesel Range Organics (C10-C28)	250	25.0	250	ND	99.8	56-156			
urrogate: n-Nonane	49.0		50.0		97.9	61-141			
Matrix Spike Dup (2529113-MSD1)				Source:	E507148-0	01	Prepared: 0	7/17/25 Aı	nalyzed: 07/17/25
Diesel Range Organics (C10-C28)	261	25.0	250	ND	105	56-156	4.61	20	
'urrogate: n-Nonane	51.0		50.0		102	61-141			



WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Project Number: Project Manager	Number: 01058-0007						Reported: 7/22/2025 6:57:07AM		
		Anions	by EPA	300.0/9056A	4				Analyst: IY	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2529131-BLK1)							Prepared: 0	7/17/25 <i>A</i>	Analyzed: 07/17/25	
Chloride	ND	20.0								
LCS (2529131-BS1)							Prepared: 0	7/17/25 A	Analyzed: 07/17/25	
Chloride	254	20.0	250		102	90-110				
Matrix Spike (2529131-MS1)				Source:	E507148-	08	Prepared: 0	7/17/25 A	Analyzed: 07/17/25	
Chloride	781	200	250	517	106	80-120				
Matrix Spike Dup (2529131-MSD1)				Source:	E507148-	08	Prepared: 0	7/17/25 A	Analyzed: 07/17/25	
Chloride	878	200	250	517	144	80-120	11.6	20	M2	

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:	East Pecos 22-3 Produced Water Gathering Line			
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:		
Carlsbad NM, 88220	Project Manager:	Anna Byers	07/22/25 06:57		

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



	Clie	ent Inforr	nation		Inv	roice Information					ab U	se Oı	ılv			_	т.	AT	_			Stat	
Client: V	/PX Energy P				.1	nergy Permian, LLC.		1,	h MO	b WO# Job Number						1D		3D	Std		INAL	רט ס	
				iathering Line	Address: 5315 Bu			 [67148 CIOST-0007						120	30	X		X		 	
	Manager: An					arisbad, NM, 88220		- b				بهم	بتحد		A'T				_~_	ı <u>.</u>	~ 1		
	13000 W Co		100		Phone: 575-885-			─ ─ <u> </u> `		_		Anz	lveje	and	Met	hod		_			EP/	À Progr	am
	te, Zip_Odes			·	Email: jim.ralev@				\vdash	Analysis and Method							ı —	1		SOW		ÇWA	RCRA
	32-305-641					/O: 21255735; PN: :	10201	· INI·		1							l				$\stackrel{\sim}{+}$	•	+
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		-,-			IIIABTO14059370	NO HABIDIOOZO43			by 8015	8	۱	1	ا ہ ا	ιJ	ا ۾		l			PWSI			1 1
*		·-··		Sample Info	rmation		· ···		<u>ה</u> לַּ ב	ĝ	802	956	9 300.0	ř	Ā		ş	¥			-		
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample IO		Depth	Lab Numbe	PRO/ORO	GRO/DRO by 8015	BTEX by 3023	VOC by 8260	Chloride	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NIM	BGDOC - TX		əjdwes	denai	Rei	marks
9:05	7/11/2025	s	1		8H30		0.5'	1									х			30	7		
9:15	7/11/2025	5	1		BH30		1'	a									Х	İ		31			
9:40	7/11/2025	s	1		вн30		2'	3									х			Ã.			
10:15	7/11/2025	s	1		вн30		3'	4									х			2.6	7		
11:05	7/11/2025	s	1		BH31		0.5'	5			Γ						х			-	7		
11:20	7/11/2025	s	1		BH31		1'	6		Γ							х			\mathcal{Z} :	57		
11:40	7/11/2025	s	1	_	8H31		. 2'	7									х			3.1			
12:10	7/11/2025	S	1		BH31		3'	8									х			25	\$		
Addition	al Instructio	ins:																					
1	pler), attest to the Haleigh Blume	e validity and	authenticity	of this sample. I am awar	re that tampering with or	intentionally mislabeling th	e sample	location, o	iate or ti	me of	collecti	on is e	onsiden	ed frau	d and	may b	e grou	ınds fa	legal a	action.			
	ed by: (Signary	MP		07/14/4/25	00 I[***	Received by: (\$180a)	^e G	onze	ıleş	Date	-(4	٠ ٦٠	Ś	Time	10	<u>~</u>				-		quiring t ust be r	herma! eceived on
	ed By: (3) (natu)		ales	7-14-25	1m 650	Received by: (Signatur	e)		·	Date	14	25		Time	17	<u>'</u>)				-	•	mpled or at a temp
Relinquish	ed by: (Signatur	re)		7.14.25	1300	Meteir and by: (Signatur	e)	Vs.	2-					Time	24	5]	a			less that uent da	n 6°C on ys.
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Sample Mar	rix: S - Sol), \$d - S	olid Se - She	tre A - Anuer	lus. O - Other	1		Conta	iner Typ	e: g - p	ass r	no	v/nla	stic. =	D - 20	nher	glace	. v - S	/OA					
					ther arrangements are	e made. Hazardous samp													or th	e analys	is of t	he abov	e samples is
						laboratory is limited to t																	

Page 1029 of 1081
Printed: 7/15/2025 10:54:09AM

Envirotech Analytical Laboratory

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:	07/15/25	06:45		Work Order ID:	E507148
Phone:	(575) 200-6754	Date Logged In:	07/14/25	14:37		Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	07/22/25	17:00 (5 day TAT)			
1. Does th	Custody (COC) The sample ID match the COC? The number of samples per sampling site location match the countries of the coun	tch the COC	Yes Yes Yes	Carrier: C	'auriar		
	e COC complete, i.e., signatures, dates/times, reque	eted analyses?	Yes	Carrier. C	ouriei		
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi turn Around Time (TAT)	n the field,	Yes	ſ		Comment	s/Resolution
	COC indicate standard TAT, or Expedited TAT?		Yes				
			105				
	sample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? Note: Thermal preservation is not required, if samples at 15 minutes of sampling		Yes				
13. See C	OC for individual sample temps. Samples outside of	f 0°C-6°C will be	recorded	in comments.			
Sample C							
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	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 no	on-VOC samples collected in the correct containers	?	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Sa	ocl field sample labels filled out with the minimum information ample ID? ate/Time Collected?	ormation:	Yes Yes				
	ollectors name?		Yes				
Sample P	reservation_						
21. Does t	the COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	imple(s) correctly preserved?		NA				
24. Is lab	filtration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
	the sample have more than one phase, i.e., multipha	ise?	No				
	does the COC specify which phase(s) is to be anal		NA				
	act Laboratory imples required to get sent to a subcontract laborate	9	No				
	subcontract laboratory specified by the client and i	•	NA	Subcontract Lab	: NA		
Client In	<u>struction</u>						

APPENDIX I

Correspondence & Notifications

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



<u>District I</u> 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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 343897

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	343897
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites								
Incident ID (n#)	nAB1614039576							
Incident Name	NAB1614039576 2016 MAJOR A SWS @ 0							
Incident Type	Produced Water Release							
Incident Status	Initial C-141 Approved							
Incident Facility	[fAB1614038811] East Pecos 22-3 Produced Water Gathering Line							

Location of Release Source								
Site Name	Unavailable.							
Date Release Discovered	04/15/2016							
Surface Owner	Federal							

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,495
What is the estimated number of samples that will be gathered	18
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/16/2024
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Please contact Gilbert Moreno at 432-305-6414 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Whitehorn Rd and State Line Rd, head west on State Line Rd for approximately 0.48 miles to reach the southeast GPS coordinate of the East Pecos 22-3 Produced Water Gathering Line

District III

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

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

CONDITIONS

Action 343897

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	343897
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created	Condition	Condition
Ву		Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/13/2024

<u>District I</u> 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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 345860

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	345860
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites		
Incident ID (n#)	nAB1614039576	
Incident Name	NAB1614039576 2016 MAJOR A SWS @ 0	
Incident Type	Produced Water Release	
Incident Status	Initial C-141 Approved	
Incident Facility	[fAB1614038811] East Pecos 22-3 Produced Water Gathering Line	

Location of Release Source		
Site Name	Unavailable.	
Date Release Discovered	04/15/2016	
Surface Owner	Federal	

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	3,495	
What is the estimated number of samples that will be gathered	18	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/22/2024	
Time sampling will commence	08:30 AM	
Please provide any information necessary for observers to contact samplers	Please contact Gilbert Moreno at 432-305-6414 with any questions	
Please provide any information necessary for navigation to sampling site	From the intersection of Whitehorn Rd and State Line Rd, head west on State Line Rd for approximately 0.48 miles to reach the southeast GPS coordinate of the East Pecos 22-3 Produced Water Gathering Line	

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

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 345860

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	345860
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created	Condition	Condition
Ву		Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/20/2024

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 345864

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	345864
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites		
Incident ID (n#)	nAB1614039576	
Incident Name	NAB1614039576 2016 MAJOR A SWS @ 0	
Incident Type	Produced Water Release	
Incident Status	Initial C-141 Approved	
Incident Facility	[fAB1614038811] East Pecos 22-3 Produced Water Gathering Line	

Location of Release Source		
Site Name	Unavailable.	
Date Release Discovered	04/15/2016	
Surface Owner	Federal	

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	3,495	
What is the estimated number of samples that will be gathered	18	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/23/2024	
Time sampling will commence	08:30 AM	
Please provide any information necessary for observers to contact samplers	Please contact Gilbert Moreno at 432-305-6414 with any questions	
Please provide any information necessary for navigation to sampling site	From the intersection of Whitehorn Rd and State Line Rd, head west on State Line Rd for approximately 0.48 miles to reach the southeast GPS coordinate of the East Pecos 22-3 Produced Water Gathering Line	

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

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

CONDITIONS

Action 345864

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	345864
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created	Condition	Condition
Ву		Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/20/2024

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

QUESTIONS

Action 397152

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	397152
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAB1614039576
Incident Name	NAB1614039576 EAST PECOS 22-3 PRODUCED WATER GATHERING LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAB1614038811] East Pecos 22-3 Produced Water Gathering Line

Location of Release Source	
Site Name	EAST PECOS 22-3 PRODUCED WATER GATHERING LINE
Date Release Discovered	04/15/2016
Surface Owner	Federal

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	3,495	
What is the estimated number of samples that will be gathered	30	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/04/2024	
Time sampling will commence	07:00 AM	
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.	
Please provide any information necessary for navigation to sampling site	From the intersection of Whitehorn Rd and State Line Rd, head west on State Line Rd for approximately 0.48 miles to reach the GPS coordinate of the East Pecos 22-3 Produced Water Gathering Line (32.004316,-103.955588).	

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

CONDITIONS

Action 397152

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	397152
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Creat By	d Condition	Condition Date
jrale	jraley Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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

QUESTIONS

Action 397231

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	397231
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAB1614039576
Incident Name	NAB1614039576 EAST PECOS 22-3 PRODUCED WATER GATHERING LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAB1614038811] East Pecos 22-3 Produced Water Gathering Line

Location of Release Source	
Site Name	EAST PECOS 22-3 PRODUCED WATER GATHERING LINE
Date Release Discovered	04/15/2016
Surface Owner	Federal

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	3,495	
What is the estimated number of samples that will be gathered	30	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/05/2024	
Time sampling will commence	07:00 AM	
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.	
Please provide any information necessary for navigation to sampling site	From the intersection of Whitehorn Rd and State Line Rd, head west on State Line Rd for approximately 0.48 miles to reach the GPS coordinate of the East Pecos 22-3 Produced Water Gathering Line (32.004316,-103.955588).	

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

CONDITIONS

Action 397231

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	397231
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created	Condition	Condition Date
Ву		
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/30/2024

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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

QUESTIONS

Action 397236

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	397236
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAB1614039576
Incident Name	NAB1614039576 EAST PECOS 22-3 PRODUCED WATER GATHERING LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAB1614038811] East Pecos 22-3 Produced Water Gathering Line

Location of Release Source	
Site Name	EAST PECOS 22-3 PRODUCED WATER GATHERING LINE
Date Release Discovered	04/15/2016
Surface Owner	Federal

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	3,495	
What is the estimated number of samples that will be gathered	30	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/06/2024	
Time sampling will commence	07:00 AM	
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions	
Please provide any information necessary for navigation to sampling site	From the intersection of Whitehorn Rd and State Line Rd, head west on State Line Rd for approximately 0.48 miles to reach the GPS coordinate of the East Pecos 22-3 Produced Water Gathering Line (32.004316,-103.955588).	

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

CONDITIONS

Action 397236

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	397236
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Creat By	d Condition	Condition Date
jrale	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/30/2024

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

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

QUESTIONS

Action 397242

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	397242
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAB1614039576
Incident Name	NAB1614039576 EAST PECOS 22-3 PRODUCED WATER GATHERING LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAB1614038811] East Pecos 22-3 Produced Water Gathering Line

Location of Release Source	
Site Name	EAST PECOS 22-3 PRODUCED WATER GATHERING LINE
Date Release Discovered	04/15/2016
Surface Owner	Federal

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	3,495	
What is the estimated number of samples that will be gathered	30	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/07/2024	
Time sampling will commence	07:00 AM	
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.	
Please provide any information necessary for navigation to sampling site	From the intersection of Whitehorn Rd and State Line Rd, head west on State Line Rd for approximately 0.48 miles to reach the GPS coordinate of the East Pecos 22-3 Produced Water Gathering Line (32.004316,-103.955588).	

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

CONDITIONS

Action 397242

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	397242
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Creat By	d Condition	Condition Date
jrale	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/30/2024

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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

QUESTIONS

Action 397251

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	397251
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAB1614039576
Incident Name	NAB1614039576 EAST PECOS 22-3 PRODUCED WATER GATHERING LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAB1614038811] East Pecos 22-3 Produced Water Gathering Line

Location of Release Source	
Site Name	EAST PECOS 22-3 PRODUCED WATER GATHERING LINE
Date Release Discovered	04/15/2016
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,495
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/08/2024
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.
Please provide any information necessary for navigation to sampling site	From the intersection of Whitehorn Rd and State Line Rd, head west on State Line Rd for approximately 0.48 miles to reach the GPS coordinate of the East Pecos 22-3 Produced Water Gathering Line (32.004316,-103.955588).

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

CONDITIONS

Action 397251

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	397251
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created	Condition	Condition Date
Ву		
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/30/2024

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 470428

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	470428
l l	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAB1616628496
Incident Name	NAB1616628496 EAST PECOS 22-3 PRODUCED WATER GATHERING LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAB1614038811] East Pecos 22-3 Produced Water Gathering Line

Location of Release Source	
Site Name	EAST PECOS 22-3 PRODUCED WATER GATHERING LINE
Date Release Discovered	06/09/2016
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,495
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/11/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Whitehorn Rd and State Line Rd, head west on State Line Rd for approximately 0.48 miles to reach the GPS coordinate of the East Pecos 22-3 Produced Water Gathering Line (32.004234,-103.95595)

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 470428

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	470428
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Create By	d Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/3/2025

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116
Online Phone Directory
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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS

Action 470430

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	470430
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAB1616628496
Incident Name	NAB1616628496 EAST PECOS 22-3 PRODUCED WATER GATHERING LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAB1614038811] East Pecos 22-3 Produced Water Gathering Line

Location of Release Source		
Site Name	EAST PECOS 22-3 PRODUCED WATER GATHERING LINE	
Date Release Discovered	06/09/2016	
Surface Owner	Federal	

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	3,495	
What is the estimated number of samples that will be gathered	30	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/12/2025	
Time sampling will commence	07:00 AM	
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions	
Please provide any information necessary for navigation to sampling site	From the intersection of Whitehorn Rd and State Line Rd, head west on State Line Rd for approximately 0.48 miles to reach the GPS coordinate of the East Pecos 22-3 Produced Water Gathering Line (32.004234,-103.95595)	

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 470430

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	470430
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Cr	eated		Condition
By	/		Date
jı	raley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/3/2025

General Information Phone: (505) 629-6116

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

QUESTIONS

Action 470431

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	470431
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAB1616628496
Incident Name	NAB1616628496 EAST PECOS 22-3 PRODUCED WATER GATHERING LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAB1614038811] East Pecos 22-3 Produced Water Gathering Line

Location of Release Source		
Site Name	EAST PECOS 22-3 PRODUCED WATER GATHERING LINE	
Date Release Discovered	06/09/2016	
Surface Owner	Federal	

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	3,495	
What is the estimated number of samples that will be gathered	30	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/13/2025	
Time sampling will commence	07:00 AM	
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions	
Please provide any information necessary for navigation to sampling site	From the intersection of Whitehorn Rd and State Line Rd, head west on State Line Rd for approximately 0.48 miles to reach the GPS coordinate of the East Pecos 22-3 Produced Water Gathering Line (32.004234,-103.95595)	

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 470431

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	470431
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Cr	eated		Condition
By	/		Date
jı	raley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/3/2025

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 481476

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	481476
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAB1616628496
Incident Name	NAB1616628496 EAST PECOS 22-3 PRODUCED WATER GATHERING LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAB1614038811] East Pecos 22-3 Produced Water Gathering Line

Location of Release Source	
Site Name	EAST PECOS 22-3 PRODUCED WATER GATHERING LINE
Date Release Discovered	06/09/2016
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,495
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/10/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Whitehorn Rd and State Line Rd, head west on State Line Rd for approximately 0.48 miles to reach the GPS coordinate of the East Pecos 22-3 Produced Water Gathering Line (32.004234,-103.95595)

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 481476

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	481476
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	7/3/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	7/3/2025

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 481477

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	481477
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAB1616628496
Incident Name	NAB1616628496 EAST PECOS 22-3 PRODUCED WATER GATHERING LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAB1614038811] East Pecos 22-3 Produced Water Gathering Line

Location of Release Source	
Site Name	EAST PECOS 22-3 PRODUCED WATER GATHERING LINE
Date Release Discovered	06/09/2016
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,495
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/11/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Whitehorn Rd and State Line Rd, head west on State Line Rd for approximately 0.48 miles to reach the GPS coordinate of the East Pecos 22-3 Produced Water Gathering Line (32.004234,-103.95595

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 481477

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	481477
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	7/3/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	7/3/2025

Erick Herrera

From: Erick Herrera

Sent: Friday, July 11, 2025 4:34 PM **To:** Velez, Nelson, EMNRD; Anna Byers

Cc: Jim.Raley@dvn.com; Devon-Team; Bratcher, Michael, EMNRD

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and

nAB1616628496

Good afternoon Nelson,

I wanted to provide you with an update since our last communication. Delineation is currently being conducted at the Site. Due to the presence of subsurface utility lines on Site, we had to carefully daylight and schedule utility representatives at the Site into the delineation process. The most recent delineation was conducted this week, with sampling notifications submitted for July 10th, and July 11th, respectively. Delineation soil samples will be submitted to an accredited laboratory for analysis of chloride, TPH, and BTEX following NMOCD approved methods. Once we receive the results, we will determine the appropriate next steps.

Please let me know if you have any questions.

Thank you,



Erick Herrera Lead Project Geologist/GIS Manager Etech Environmental & Safety Solutions, Inc.

W: (432) 305-6416 C: (281) 777-4152

From: Erick Herrera

Sent: Friday, May 23, 2025 4:09 PM

To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Anna Byers <anna@etechenv.com> **Cc:** Jim.Raley@dvn.com; Devon-Team <Devon-Team@etechenv.com>; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Nelson,

I wanted to update you and let you know that we are currently planning to further delineate the Site via hand auger to better define the edge of the release in the coming weeks to allow sufficient time for coordination with underground utility representatives. A 48-hr sampling notification will be submitted to the NMOCD Portal when we are ready to proceed, and we will send you further updates once the sampling has been completed.

Please let me know if you have any questions or require additional information.

Thank you, and hope you have a great weekend!



Erick Herrera Lead Project Geologist/GIS Manager

Etech Environmental & Safety Solutions, Inc.

W: (432) 305-6416 C: (281) 777-4152 **From:** Erick Herrera < <u>erick@etechenv.com</u>>

Sent: Friday, April 25, 2025 4:47 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov >; Anna Byers < anna@etechenv.com > Cc: Jim.Raley@dvn.com; Devon-Team@etechenv.com >; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Nelson,

There isn't much to add to our weekly report this week. Please be assured that we are actively working on the logistics. We anticipate providing a more comprehensive and formal update in the coming weeks.

In the meantime, please feel free to reach out if you have any questions or need additional information.

Thank you,



Erick Herrera Project Geologist

Etech Environmental & Safety Solutions, Inc.

W: (432) 305-6416 C: (281) 777-4152

From: Erick Herrera

Sent: Thursday, April 17, 2025 5:01 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov >; Anna Byers < anna@etechenv.com > Cc: Jim.Raley@dvn.com; Devon-Team < Devon-Team@etechenv.com >; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon,

We received the final Karst report for the Site, and I wanted to share the key findings with you. The report indicates that there are no surface karst features within 200 feet of the Site, and it confirms the absence of shallow anomalies, large voids, or related karst features within the survey area. Given these findings, we are currently assessing the best approach to move forward.

Thank you,



Erick Herrera Project Geologist

Etech Environmental & Safety Solutions, Inc.

W: (432) 305-6416 C: (281) 777-4152

From: Erick Herrera < erick@etechenv.com>

Sent: Friday, April 11, 2025 4:20 PM

To: Velez, Nelson, EMNRD <Nelson. Velez@emnrd.nm.gov>; Anna Byers <anna@etechenv.com>

Cc: <u>Jim.Raley@dvn.com</u>; Devon-Team < <u>Devon-Team@etechenv.com</u>>; Bratcher, Michael, EMNRD < mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoonNelson,

Although we haven't received the final report, the findings from the BLM-approved third-party contractor indicate that the site is stable and there was no concern within 200-feet for cave/karst of the spill delineation boundary.

Once we receive the final report, we will be able to share it upon request. In meantime we can proceed with the next steps as planned.

Thank you,



Erick Herrera
Project Geologist
Etech Environmental & Safety Solutions, Inc.
W: (432) 305-6416
C: (281) 777-4152

From: Erick Herrera < erick@etechenv.com>

Sent: Friday, April 4, 2025 4:51 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov >; Anna Byers < anna@etechenv.com > Cc: Jim.Raley@dvn.com; Devon-Team < Devon-Team@etechenv.com >; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Nelson,

I wanted to provide you with a quick update for the Site. We anticipate receiving the report for the Site sometime next week. Once we have the report, we will also have a clearer understanding of the karst topography at the Site and can determine the next steps moving forward.

Thank you,



Erick Herrera
Project Geologist
Etech Environmental & Safety Solutions, Inc.
W: (432) 305-6416

W: (432) 305-6416 C: (281) 777-4152

From: Erick Herrera

Sent: Friday, March 28, 2025 4:27 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov >; Anna Byers < anna@etechenv.com > Cc: Jim.Raley@dvn.com; Devon-Team < Devon-Team@etechenv.com >; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Nelson,

The ER survey for the Site should be completed. We are now currently awaiting the full report, which will provide more insights. Once we have the report, we will share any relevant findings and updates regarding the Site.

Thank you,



Erick Herrera
Project Geologist
Etech Environmental & Safety Solutions, Inc.
W: (432) 305-6416
C: (281) 777-4152

From: Anna Byers <anna@etechenv.com>
Sent: Friday, March 21, 2025 2:44 PM

To: Erick Herrera < erick@etechenv.com; Velez, Nelson, EMNRD < Nelson.Velez@emnrd.nm.gov> Cc: Jim.Raley@dvn.com; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Nelson,

Not much to add to our weekly report this week. An ER survey for the Site is still scheduled by Southwest Geophysical Consulting, LLC for March 27, 2025. We will keep you updated, if there is any change to the survey date.

Thank you,



Anna Byers
Senior Geologist
Etech Environmental & Safety Solutions, Inc.
C: (432) 305-6415

From: Erick Herrera < erick@etechenv.com >

Sent: Friday, March 14, 2025 3:05 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov >

Cc: Jim.Raley@dvn.com; Devon-Team@etechenv.com>; Anna Byers <anna@etechenv.com>; Bratcher,

Michael, EMNRD < mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Nelson,

Not much to add to our weekly report this week. An ER survey for the Site is still tentatively scheduled to be conducted by Southwest Geophysical Consulting, LLC on March 27, 2025. We will keep you updated, once we hear back.

Thank you,



Erick Herrera
Project Geologist
Etech Environmental & Safety Solutions, Inc.
W: (432) 305-6416

C: (281) 777-4152

From: Erick Herrera < erick@etechenv.com>

Sent: Friday, March 7, 2025 4:11 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>

Cc: Jim.Raley@dvn.com; Devon-Team@etechenv.com>; Anna Byers <anna@etechenv.com>; Bratcher,

Michael, EMNRD < mike.bratcher@emnrd.nm.gov >

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Nelson,

I wanted to update you and let you know that Pedestrian/Aerial Karst surveys were negative for the Site, and we have aerial imagery that we can share upon request. An ER survey is tentatively scheduled to be conducted by Southwest Geophysical Consulting, LLC on March 27, 2025.

Thank you and hope you enjoy your weekend,



Erick Herrera

Project Geologist

Etech Environmental & Safety Solutions, Inc.

W: (432) 305-6416 C: (281) 777-4152

From: Erick Herrera

Sent: Friday, February 28, 2025 3:25 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>

Cc: <u>Jim.Raley@dvn.com</u>; Devon-Team@etechenv.com>; Anna Byers <<u>anna@etechenv.com</u>>; Bratcher,

Michael, EMNRD < mike.bratcher@emnrd.nm.gov >

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Nelson,

Not much to add to our weekly report this week. As of now, we have not received the report or findings for the aerial karst survey performed for the Site. We will keep you updated as soon as we hear back.

Thank you for your patience,



Erick Herrera

Project Geologist

Etech Environmental & Safety Solutions, Inc.

W: (432) 305-6416 C: (281) 777-4152

From: Erick Herrera < erick@etechenv.com > Sent: Friday, February 21, 2025 4:38 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov >

Cc: Jim.Raley@dvn.com; Devon-Team@etechenv.com>; Anna Byers <anna@etechenv.com>; Bratcher,

Michael, EMNRD < mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Hi Nelson,

I wanted to provide with the most recent Site update for this week:

An aerial karst survey was recently completed at the Site by Southwest Geophysical Consulting, LLC, and we are currently awaiting the results.

Additionally, we are waiting to hear back from the BLM regarding the recorded cultural sites from the recent completed cultural survey, to accommodate any additional proposed borings. BLM required a Data User Agreement, and we are in the process of waiting for their response.

We will keep you updated as soon as we receive any information.

Thank you,



Erick Herrera
Project Geologist
Etech Environmental & Safety Solutions, Inc.
W: (432) 305-6416
C: (281) 777-4152

From: Erick Herrera < erick@etechenv.com>
Sent: Friday, February 14, 2025 4:23 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>

Cc: Jim.Raley@dvn.com; Devon-Team@etechenv.com>; Anna Byers <anna@etechenv.com>; Bratcher,

Michael, EMNRD < mike.bratcher@emnrd.nm.gov >

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Nelson,

I wanted to provide an update regarding the review and stipulations we received back from the BLM from the recent cultural survey which I have attached for your reference.

We are currently waiting for availability from a karst surveyor to conduct a pedestrian karst survey at the site to help with planning the delineation and help avoid karst features along with any cultural resources in the area. I will keep you updated on any developments regarding the surveyor's schedule and next steps.

Thank you for your patience and cooperation.



Erick Herrera
Project Geologist
Etech Environmental & Safety Solutions, Inc.
W: (432) 305-6416
C: (281) 777-4152

From: Erick Herrera < erick@etechenv.com>
Sent: Friday, February 7, 2025 4:58 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>

Cc: <u>Jim.Raley@dvn.com</u>; Devon-Team <<u>Devon-Team@etechenv.com</u>>; Anna Byers <<u>anna@etechenv.com</u>>; Bratcher,

Michael, EMNRD < mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Nelson,

As of now, we have not received a formal update regarding the survey findings, or any stipulations associated with the cultural survey conducted for the Site by the BLM. SWCA is currently working on a redacted report on their findings that we can send over to you upon request.

Thanks,



Erick Herrera
Project Geologist
Etech Environmental & Safety Solutions, Inc.
W: (432) 305-6416
C: (281) 777-4152

From: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov >

Sent: Friday, January 31, 2025 4:09 PM **To:** Erick Herrera < erick@etechenv.com>

Cc: Jim.Raley@dvn.com; Devon-Team@etechenv.com>; Anna Byers <anna@etechenv.com>; Bratcher,

Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: Re: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Erick,

Thank you for the update. It has been recorded in the Incident Event Details. Please continue to submit weekly progress as referenced below.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Have an enjoyable weekend!

Regards,

Nelson Velez • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | <u>nelson.velez@emnrd.nm.gov</u>

http://www.emnrd.nm.gov/ocd



From: Erick Herrera < erick@etechenv.com>
Sent: Friday, January 31, 2025 2:37 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>

Cc: Devon-Team < <u>Devon-Team@etechenv.com</u>>; <u>Jim.Raley@dvn.com</u> < <u>jim.raley@dvn.com</u>>; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>; Anna Byers <anna@etechenv.com>

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Nelson,

I wanted to follow up regarding the cultural surveys that were conducted for this Site. As of now, we have not received any formal feedback from the BLM. Once we receive any updates, we will promptly relay the information to you.

Thank you for your patience and understanding as we navigate this process.

Thanks,



Erick Herrera
Project Geologist
Etech Environmental & Safety Solutions, Inc.
W: (432) 305-6416
C: (281) 777-4152

From: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov >

Sent: Monday, January 27, 2025 8:51 AM **To:** Erick Herrera <erick@etechenv.com>

Cc: Devon-Team < Devon-Team@etechenv.com >; Jim.Raley@dvn.com; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>; Anna Byers <anna@etechenv.com>

Subject: Re: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good morning Erick,

Thank you for the correspondence and update. Please continue to provide a weekly update as it pertains to these incidents.

Have a safe and productive day!

Regards,

Nelson Velez • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | <u>nelson.velez@emnrd.nm.gov</u>

http://www.emnrd.nm.gov/ocd



From: Erick Herrera < <u>erick@etechenv.com</u>>
Sent: Friday, January 24, 2025 2:40 PM

To: Velez, Nelson, EMNRD < Nelson.Velez@emnrd.nm.gov >

Cc: Devon-Team < <u>Devon-Team@etechenv.com</u>>; <u>Jim.Raley@dvn.com</u> < <u>jim.raley@dvn.com</u>>; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>; Anna Byers <anna@etechenv.com>

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Hi Nelson,

I wanted to update you and let you know that the pedestrian cultural survey has been completed by SWCA and was positive for cultural resources. The report from SWCA regarding their findings is waiting response from the BLM.

Please let us know if you have any questions and/or feel free to reach out to Courney Blair at CBlair@swca.com for any questions regarding the cultural survey completed for the site.

Thanks,



Erick Herrera
Project Geologist
Etech Environmental & Safety Solutions, Inc.
W: (432) 305-6416
C: (281) 777-4152

From: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>

Sent: Monday, January 6, 2025 11:17 AM **To:** Erick Herrera <erick@etechenv.com>

Cc: Devon-Team < Devon-Team@etechenv.com >; Jim.Raley@dvn.com; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>; Anna Byers <anna@etechenv.com>

Subject: Re: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good morning Erick,

Thank you for the update. Since the pedestrian cultural survey is scheduled in a couple weeks, please provide the next progress email afterward.

Have a safe and productive day!

Regards,

Nelson Velez • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | nelson.velez@emnrd.nm.gov

http://www.emnrd.nm.gov/ocd



From: Erick Herrera < erick@etechenv.com>

Sent: Friday, January 3, 2025 3:35 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov >

Cc: Devon-Team < Devon-Team@etechenv.com >; Jim.Raley@dvn.com < jim.raley@dvn.com >; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>; Anna Byers <anna@etechenv.com>

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Nelson,

I hope you are doing well.

As of now, there are no significant changes or new developments since last week's email, but wanted to remind you that the pedestrian cultural survey is still on track to be conducted by SWCA for January 14, 2025, and January 15, 2025. Once it's completed and reviewed by BLM and SHPO, we can move forward with the next steps.

Hope you have a great weekend!



Erick Herrera
Project Geologist
Etach Environmental & Safet

Etech Environmental & Safety Solutions, Inc.

W: (432) 305-6416 C: (281) 777-4152

From: Erick Herrera < erick@etechenv.com Sent: Friday, December 27, 2024 4:30 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>

Cc: Devon-Team < Devon-Team@etechenv.com>; Jim.Raley@dvn.com; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>; Anna Byers <anna@etechenv.com>

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Nelson,

I hope you had a great holiday! I wanted to take a moment to provide you with an update for this week's report.

Currently, there isn't much new information to share, but I wanted to confirm that the pedestrian cultural survey is still on track to be conducted by SWCA for January 14 and 15, 2025. More information will be provided once the cultural survey is performed, and a formal report is submitted to the BLM/SHPO for review.

Hope you have a great weekend!



Erick Herrera
Project Geologist
Etech Environmental & Safety Solutions, Inc.
W: (432) 305-6416

From: Anna Byers <anna@etechenv.com>
Sent: Monday, December 23, 2024 2:23 PM

C: (281) 777-4152

To: Erick Herrera < etechenv.com; Velez, Nelson, EMNRD < Nelson.Velez@emnrd.nm.gov> Cc: Devon-Team@etechenv.com; Jim.Raley@dvn.com; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Nelson,

I missed last week's update email, but there was not much to add. The pedestrian cultural survey has been scheduled with SWCA for January 14 and 15, 2025. We will provide an informal update on SWCA's findings once the survey has been completed, but SWCA has to submit the formal report to BLM/SHPO for review. If SHPO agrees with SWCA's findings and/or recommendations, we will proceed with the Sundry permitting process.

Thank you for your understanding and patience in this process!

We wish you Happy Holidays!

Thank you,



Anna Byers
Senior Geologist
Etech Environmental & Safety Solutions, Inc.
C: (432) 305-6415

From: Erick Herrera < erick@etechenv.com Sent: Friday, December 13, 2024 1:33 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov >; Anna Byers < anna@etechenv.com > Cc: Devon-Team < Devon-Team@etechenv.com >; Jim.Raley@dvn.com; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Nelson,

We don't have much to add for this week's update, but I wanted to let you know that a pedestrian cultural survey has been tentatively scheduled for the second or third week of January, 2025 by SWCA.

If you have any questions or need further information, please feel free to reach out.

Hope you have a great weekend!



Erick Herrera
Project Geologist
Etech Environmental & Safety Solutions, Inc.

W: (432) 305-6416 C: (281) 777-4152

From: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>

Sent: Friday, December 6, 2024 4:14 PM

To: Erick Herrera < erick@etechenv.com; Anna Byers < anna@etechenv.com>

Cc: Devon-Team < <u>Devon-Team@etechenv.com</u>>; <u>Jim.Raley@dvn.com</u>; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>

Subject: Re: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Erick and Anna,

Thank you for the update. It has been recorded in the Incident Event Details. Please continue to submit weekly progress as referenced below.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Have an enjoyable weekend!

Regards,

Nelson Velez • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | <u>nelson.velez@emnrd.nm.gov</u>

http://www.emnrd.nm.gov/ocd



From: Erick Herrera < erick@etechenv.com>
Sent: Friday, December 6, 2024 2:43 PM

To: Anna Byers <anna@etechenv.com>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Cc: Devon-Team < Devon-Team@etechenv.com>; Jim.Raley@dvn.com < Jim.Raley@dvn.com>; Bratcher, Michael,

EMNRD < mike.bratcher@emnrd.nm.gov >

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Nelson,

An intensive pedestrian cultural survey was performed on December 5, 2024, by SWCA. There are two previously recorded sites that fall within the project survey area that need to be revisited and recorded. Additionally, a newly discovered small prehistoric site within the boundary of our proposed Sundry area was also discovered. All three sites will need to be revisited and recorded at a future date, but timing will depend on SWCA's availability that aligns with their current schedule. Once we have a clearer availability from the surveyor, we will provide you with updates.

Thank you,



Erick Herrera
Project Geologist
Etech Environmental & Safety Solutions, Inc.

W: (432) 305-6416 C: (281) 777-4152

From: Anna Byers < anna@etechenv.com>

Sent: Wednesday, November 27, 2024 5:15 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov >

Cc: Devon-Team < Devon-Team@etechenv.com >; Jim.Raley@dvn.com; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Nelson,

Not much to add to our weekly report this week. We've received the Biological Survey Report (negative) from NTG and SWCA is still scheduled to proceed with the cultural survey on December 5, 2025. After the completion of the cultural survey, we should have a more substantial update on this Site. If you would like us to forward the Biological Survey Report, please let me know and I will attach it to next week's update email.

Have a great holiday weekend!

Thank you,



Anna Byers Senior Geologist

Etech Environmental & Safety Solutions, Inc.

C: (432) 305-6415

From: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov >

Sent: Friday, November 22, 2024 1:28 PM **To:** Anna Byers <anna@etechenv.com>

Cc: Devon-Team < Devon-Team@etechenv.com >; Jim.Raley@dvn.com; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>

Subject: Re: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Good afternoon Anna,

Thank you for the update. Please continue to submit weekly progress as referenced below.

If there's a lag in any activities in the following weeks, please indicate approximately when the next progression email may be sent.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Thanks again and have a safe, enjoyable weekend!

Regards,

Nelson Velez • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | nelson.velez@emnrd.nm.gov

http://www.emnrd.nm.gov/ocd_



From: Anna Byers <anna@etechenv.com>
Sent: Friday, November 22, 2024 11:13 AM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov >

Cc: Devon-Team < <u>Devon-Team@etechenv.com</u>>; Bratcher, Michael, EMNRD < <u>mike.bratcher@emnrd.nm.gov</u>>;

Jim.Raley@dvn.com < Jim.Raley@dvn.com>

Subject: [EXTERNAL] RE: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

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

Good morning Nelson,

On behalf of WPX, Etech presents the following Site updates:

All of the laboratory analytical data has been received from the most recent delineation activities which has been compiled with existing data and summarized and attached as **Table 1** - laboratory analytical reports will be included within the next submitted Site Characterization and Remediation Plan report but may be provided earlier on request. Delineation soil sampling locations may be referenced in attached **Figure 2**. Based on laboratory analytical results, additional delineation is required. Prior to conducting further delineation, additional BLM land access via Sundry needs to be granted (**Requested Sundry Areas**). As such, BLM approved vendors for cultural (SWCA) and biological (NTG) survey companies, have been forwarded the information to review and schedule their respective services. NTG completed the biological survey on November 21, 2024, the report is pending, but the survey was negative. SWCA has received and acknowledged notice of the requested cultural survey area, and recently provided the earliest available date to complete the survey, December 5, 2024. The survey has been scheduled and upon any earlier available opening, WPX will be notified.

Please note that the completion of the reports detailing each survey's findings is required prior to submitting the Sundry to the BLM. Once the sundry has been reviewed and approved by the BLM, additional drilling permits will be submitted to NMOSE for approval (which require landowner approval within the permit application), and a driller will be retained to continue delineation soil sampling activities. Due to the unknown timeline for Sundry approval, a driller cannot be scheduled until land access has been granted. Drilling applications usually take three to four weeks for the NMOSE to review and subsequently approve, as long as there is no issue with the application.

At this time, WPX believes maximum coordination efforts have been made to continue delineation activities at the Site and will continue to provide weekly updates to the NMOCD to provide evidence as such.

Thank you,



Anna Byers
Senior Geologist
Etech Environmental & Safety Solutions, Inc.
C: (432) 305-6415

From: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov >

Sent: Wednesday, November 13, 2024 3:10 PM

To: Raley, Jim < jim.raley@dvn.com>

Cc: Devon-Team < Devon-Team@etechenv.com >; Bratcher, Michael, EMNRD < mike.bratcher@emnrd.nm.gov >

Subject: Devon Energy Extension Requests - nAB1614039576 and nAB1616628496

Some people who received this message don't often get email from nelson.velez@emnrd.nm.gov. Learn why this is important

Good afternoon Jim.

In the matter of nAB1614039576 and nAB1616628496, date of discovery was in May and June 2016. Since no activities were initiated until May 2024, your time extension request is denied for both incidents. Devon is required to submit its final remediation closure reports as soon as possible.

It's Devon's responsibility to keep OCD informed on the progress of the remediation. OCD request a brief weekly progress report be submitted via email to me or the enviro email address until the remediation has been completed. Adherence to Part 29 is still required. These progress reports will be concisely recorded within the Incident Event Details.

OCD will use its discretion to determine if additional enforcement action is warranted. Cooperation from Devon Energy will be considered when determining any enforcement actions, which may include civil penalties.

Please keep a copy of this communication for inclusion within the final remediation closure report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | nelson.velez@emnrd.nm.gov

http://www.emnrd.nm.gov/ocd



Previously submitted email,

From: Raley, Jim < <u>Jim.Raley@dvn.com</u>>
Sent: Tuesday, November 12, 2024 3:51 PM

To: Enviro, OCD, EMNRD < OCD.Enviro@emnrd.nm.gov >

Cc: Devon-Team < Devon-Team@etechenv.com >

Subject: [EXTERNAL] Devon Energy Extension Request -

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

NMOCD District II,

Devon Energy Production Company (Devon) is requesting an extension to the current deadline for reports required in 19.15.29.12.B.(1) NMAC at the East Pecos 22-3 Produced Water Gathering Line (Site).

- 1. On April 15, 2016, it was discovered that a produced water gathering line failure resulted in approximately 55 barrels (bbls) of produced water to be released onto a Right-of-Way (ROW) and travel west, intersecting a lease road and another ROW south of the lease road. No fluids were able to be recovered. On May 16, 2016, the New Mexico Oil Conservation Division (NMOCD) and BLM were notified. WPX reported the release to the NMOCD on a Release Notification and Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on May 18, 2016, and was assigned Incident Number nAB1614039576.
- 2. On June 9, 2016, it was discovered that the produced water gathering line associated with Incident Number nAB1614039576 failed again and resulted in approximately 15 barrels (bbls) of produced water to be released and follow the same flow path as Incident Number nAB1614039576, hereafter referred to as the Area of Concern (AOC). On the same day as the release discovery, immediate notice was given to the NMOCD and the BLM. WPX reported the release to the NMOCD on a Form C-141, which was received by the NMOCD on June 13, 2016, and was assigned Incident Number nAB1616628496.

On November 4 to November 8, 2024, vertical delineation activities within the subject release area(s) were completed via drill rig after thorough communication and coordination efforts with all affected utility operators, which included 2 subsurface pipelines, 1 surface pipeline, and overhead electrical power lines. Thirteen boreholes were advanced up to 55 feet below ground surface (bgs) within and around the suspected AOC driven by field screening soil for chloride and volatile organic compounds. Soil samples were collected at 0.5 feet bgs, 2 feet, and every 2 feet thereafter for laboratory analytical analysis of chloride, TPH, and BTEX by an accredited laboratory following NMOCD approved methods. The delineation soil samples are currently pending laboratory analytical results.

Devon requests an extension for the coordination and planning required to continue delineation of both incidents in order to prepare a complete Site Characterization and Remediation Plan report as required by the NMOCD. To provide enough time to coordinate land access and drill rig scheduling to complete delineation of both of the releases, receipt and review of laboratory analytical results, and prepare reports, Devon requests 90-day extensions for both releases at the Site associated with Incident Numbers nAB1614039576 and nAB1616628496 to February 10, 2025.

Jim Raley - Enviro Professional

Permian Basin - Devon Energy

575-689-7597

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Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 502801

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	502801
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

Prerequisites	
Incident ID (n#)	nAB1614039576
Incident Name	NAB1614039576 EAST PECOS 22-3 PRODUCED WATER GATHERING LINE @ FAB1614038811
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Facility	[fAB1614038811] East Pecos 22-3 Produced Water Gathering Line

Location of Release Source	
Please answer all the questions in this group.	
Site Name	EAST PECOS 22-3 PRODUCED WATER GATHERING LINE
Date Release Discovered	04/15/2016
Surface Owner	Federal

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

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 55 BBL Recovered: 0 BBL Lost: 55 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	Yes	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

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

QUESTIONS, Page 2

Action 502801

QUESTIONS (con	tinuea)
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QUESTIONS (continued)		
Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289 Action Number: 502801 Action Type:	
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	
QUESTIONS		
Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes	
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.	
Initial Response The responsible party must undertake the following actions immediately unless they could create a s The source of the release has been stopped	afety hazard that would result in injury. True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.	
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 09/08/2025	

General Information Phone: (505) 629-6116

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

QUESTIONS, Page 3

Action 502801

QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	502801
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)	
What method was used to determine the depth to ground water	NM OSE iWaters Database Search	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)	
Any other fresh water well or spring	Between ½ and 1 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between ½ and 1 (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Medium	
A 100-year floodplain	Between 1 and 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	Yes	

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	9450	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1340	
GRO+DRO (EPA SW-846 Method 8015M)	503	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes comp which includes the anticipated timelines for beginning and completing the remediation.	pleted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
On what estimated date will the remediation commence	12/31/2025	
On what date will (or did) the final sampling or liner inspection occur	07/11/2025	
On what date will (or was) the remediation complete(d)	12/31/2025	
What is the estimated surface area (in square feet) that will be reclaimed	37313	
What is the estimated volume (in cubic yards) that will be reclaimed	3989	
What is the estimated surface area (in square feet) that will be remediated	37313	
What is the estimated volume (in cubic yards) that will be remediated	3989	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed

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

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

QUESTIONS, Page 4

Action 502801

QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	502801
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360 Red Bluff
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

er Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Name: James Raley Title: EHS Professional I hereby agree and sign off to the above statement Email: jim.raley@dvn.com Date: 09/08/2025

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 5

Action 502801

QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	502801
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

QUESTIONS, Page 6

Action 502801

QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	502801
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

Sampling Event Information		
Last sampling notification (C-141N) recorded	481475	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/11/2025	
What was the (estimated) number of samples that were to be gathered	30	
What was the sampling surface area in square feet	3495	

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

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 502801

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	502801
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan is approved with the following conditions; 1. Due to the incident being within the setback of a riverine wetland and significant watercourse, the closure standards must meet the most stringent (groundwater < 50 feet) per 19.15.29.12C (4a) (i) and (4e) NMAC. WPX Energy Permian [246289] (WPX) can contact a wetland certified scientist to forgo the riverine receptor if they determine that it isn't. 2. WPX is responsible for the remediation, reclamation, and revegetation of this release, its WPX's duty to include letters from the pipeline operators who are requesting a "no excavation" buffer zone around their pipelines to take responsibility for any contamination left in place due to their buffer zone request. If the pipeline operators are unwilling to take responsibility for the contamination located within their requested buffer zones, WPX will be required to remediate, reclaim, and revegetate the release pursuant to 19.15.29 NMAC.	9/30/2025
nvelez	Furthermore, pursuant to 19.15.29.7C NMAC, OCD may consider a person causing the release, or controlling the location of the release as the responsible party. If any pipeline operator refuses to allow the remediation, reclamation, and revegetation of this release, OCD reserves the right to hold the pipeline operator as the responsible party. 3. Variance will be dependent upon the roadway being fully delineated and the remaining impacted soils beneath it has been accounted for (e.g. estimated volume quantity left in place). 4. Alternative sampling plan request not to exceed 400 square feet (ft.2) for each five (5) point composite (5pc) from the excavation floor per 19.15.29.12D (1b) NMAC is approved. Sidewall confirmation sample(s) will abide at 200 ft.2 for each 5pc per 19.15.29.12D (1c) NMAC. All other provisions addressed in 19.15.29.12D NMAC remain in effect.	9/30/2025
nvelez	5. Prior to backfilling the open excavation per 19.15.29.12D (2) NMAC, WPX must collect a minimum of one (1) 5pcs from the media being used as backfill to verify that it meets non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. This is especially important for the material being used within the top four (4) feet from the ground surface. 6. Please submit as a reclamation report if re-seeding is completed prior to its submittal. 7. WPX has 90-days (December 29, 2025) to submit to OCD its appropriate or final remediation closure report.	9/30/2025