| District 1 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Rel NHMP140 73 2555 18 | Energy Min Oil C 1220 Sa ease Notific | conser South nta Fe | vation Div St. Franc , NM 875 | I Resources Vision Is Dr. 05 Prrective A | OCD ART | Form C-141 Revised August 8, 2011 to appropriate District Office in Conduct with 19.15.29 NMAC. |
|---|--|--|--|--|---|--|
| Name of Company RKI EXPLORATION | 246284 & PRODUCTIO | | Contact | HEATHER B | | al Report 🔄 Final Report |
| Address 210 PARK AVE, STE 900, O | | | | No. 405-996-57 | | |
| Facility Name ROSS DRAW 12 | | | Facility Typ | e POW | | |
| Surface Owner | Mineral O | wner | | | API No | . 30-015-24793 |
| | LOCA | TIO | OF REI | LEASE | | |
| Unit Letter Section Township Range | Feet from the | | South Line | Feet from the | East/West Line | County |
| A 33 26S 30E | 467' | NC | RTH | 660' | EAST | EDDY |
| La | titude | | _ Longitud | e | | |
| | NAT | URE | OF RELI | EASE | | |
| Type of Release OIL/WATER | | | Volume of | Release 15 BE | | Recovered 0 BBLS |
| Source of Release TRANSFER PUMP Was Immediate Notice Given? | | | Date and H If YES, To | our of Occurrence | Date and 14 UKN TIME | Hour of Discovery BLM DISCOVERED |
| | 🛾 No 🔲 Not Re | quired | | 2-20 | | 3/5/14 @ 9:00 AM |
| By Whom? M. BALLIET, BL | M | | Date and H | | | |
| Was a Watercourse Reached? |] No | | IFYES, Vo N/A | lume Impacting the | e Watercourse. | |
| If a Watercourse was Impacted, Describe Fully. Describe Cause of Problem and Remedial Actio WATER TANK RAN OVER, TRANSF | n Taken.* | RLOA | .D | . <u></u> | | |
| Describe Area Affected and Cleanup Action Tal SPILL WAS CONTAINED IN DIRT CO I hereby certify that the information given above regulations all operators are required to report an public health or the environment. The acceptance should their operations have failed to adequately or the environment. In addition, NMOCD accept | DNTAINMENT; is true and comple nd/or file certain re ce of a C-141 report investigate and re | ete to th lease no t by the mediate | e best of my tifications an NMOCD ma contaminatic | d perform correct arked as "Final Re on that pose a thread | ive actions for rele port" does not reli at to ground water | eases which may endanger eve the operator of liability , surface water, human health |
| federal, state, or local laws and/or regulations. | | | | | | |
| <i>st</i> , <i>D</i> . | | | | OIL CONS | ERVATION | DIVISION |
| Signature: Allather Sylums Printed Name: Heather Brehm | | A | Approved by I | Environmental Sp | ecialist: | P |
| Title: Regulatory Analyst | | A | pproval Date | : 3-14-14 | Expiration I | Date: NA |
| E-mail Address: hbrehm@rkixp.com | | C | onditions of | Approval: | | Attached |
| Date: 3/06/2014 Phone: Attach Additional Sheets If Necessary | 405-996-5769 | к | emediation e approval b <u>PROP</u> | per OCD Rule & by BLM. <u>SUBMIT</u> DSAL NO LATER CH - CH - CH | REMEDIATION | Attached 2RP 2211 |

·· ·

District I 1625 N. French Dr., Hobbs, NM 88240 District III 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

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| Incident ID | nHMP1407325518 |
|----------------|----------------|
| District RP | 2RP-2211 |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| Responsible Party: WPX Energy Permian, LLC | OGRID: 246289 |
|--|--|
| Contact Name: Jim Raley | Contact Telephone: 575-689-7597 |
| Contact email: Jim.Raley@dvn.com | Incident # (assigned by OCD): nHMP1407325518 |
| Contact mailing address: 5315 Buena Vista Drive, Carlsbad NM | |

Location of Release Source

| Latitude | 32.004760 | Longitude | -103.879814 |
|--------------|------------------------|--|---------------------------|
| | | (NAD 83 in decimal degrees to 5 decimation of the second s | imal places) |
| Site Name: R | loss Draw Unit #012 | Site Type: | : Oil Production Facility |
| Date Release | Discovered: 03/05/2014 | API# (if app | pplicable): 30-015-24793 |
| | | | |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| А | 33 | 268 | 30E | Eddy |

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

| Materia | l(s) Released (Select all that apply and attach calculations or specific | justification for the volumes provided below) | | |
|---|--|---|--|--|
| Crude Oil/ Produced Water | Volume Released (bbls): 15 | Volume Recovered (bbls): 0 | | |
| Produced Water | Volume Released (bbls): | Volume Recovered (bbls): | | |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | Yes No | | |
| Condensate | Volume Released (bbls) | Volume Recovered (bbls) | | |
| Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) | | |
| Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) | | |
| | | | | |
| Cause of Release: A transfer pump overload resulted in a tank overflow to secondary containment. | | | | |
| $bbl \ estimate = \frac{saturated \ soil \ volume \ (ft^3)}{4.21 \ (\frac{ft^3}{bbl \ equivalent})} * estimated \ porosity \ (\%) + recovered \ fluids \ (bbl)$ | | | | |

| Incident ID | nHMP1407325518 |
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| monuomi | |
| District RP | 2RP-2211 |
| E III IB | |
| Facility ID | |
| | |
| Application ID | |

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| Was this a major | If YES, for what reason(s) does the responsible party consider this a major release? |
|---------------------------|---|
| release as defined by | Volume exceeded 25bbls. |
| 19.15.29.7(A) NMAC? | |
| | |
| 🗌 Yes 🖾 No | |
| | |
| | |
| | |
| If YES, was immediate ne | otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? |
| Notification was submitte | ed via email on 3/6/2014 to Mike Bratcher. |
| | |
| | |

Initial Response

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

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

| Printed Name: Jim Raley | Title: Environmental Professional |
|---------------------------------|-----------------------------------|
| Signature: | Date: |
| email: <u>Jim.Raley@dvn.com</u> | Telephone: <u>575-689-7597</u> |
| | |
| OCD Only | |
| Received by: | Date: |

Received by OCD: 9/5/2023 9:23:35 AM Form C-141 State of New Mexico

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Oil Conservation Division

| Incident ID | nHMP1407325518 |
|----------------|----------------|
| District RP | 2RP-2211 |
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Site Assessment/Characterization

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

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- 🛛 Field data
- Data table of soil contaminant concentration data
- \boxtimes Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

| Received by OCD: 9/5/20. | 23 9:23:35 AM State of New Mexico | | Γ | Page 5 of 216 |
|--|--------------------------------------|--|--|--|
| | | | Incident ID | nHMP1407325518 |
| Page 4 | Oil Conservation Division | | District RP | 2RP-2211 |
| | | | Facility ID | |
| | | | Application ID | |
| regulations all operators ar public health or the environ failed to adequately investi addition, OCD acceptance and/or regulations. Printed Name: <u>Jim Ra</u> Signature: <u>/ a Pdd</u> email: <u>Jim.Raley@dvn</u> | | tifications and perform co OCD does not relieve the eat to groundwater, surfac | rrective actions for rele operator of liability sho ce water, human health iance with any other feo tal Professional | eases which may endanger ould their operations have or the environment. In |
| OCD Only | | | | |
| Received by: | | Date: | | |
| | | | | |

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Oil Conservation Division

| | Page | 0 | oj | 210 |
|------------|------|---|----|-----|
| nHMP140732 | 5518 | | | |

| Incident ID | nHMP1407325518 |
|----------------|----------------|
| District RP | 2RP-2211 |
| Facility ID | |
| Application ID | |

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: Jim Raley Title: Environmental Professional Signature: fin Roby Date: 9/5/2023 _____ Telephone: 575-689-7597 email: Jim.Raley@dvn.com **OCD Only** Received by: Date: Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: Date: Title: Printed Name:



CLOSURE REQUEST REPORT

Ross Draw Unit #012 Eddy County, New Mexico Incident Numbers nHMP1407325518 nAPP2315142829

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

Carlsbad • Midland • San Antonio • Lubbock • Hobbs • Lafayette

SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of WPX Energy Permian, LLC (WPX), presents the following Closure Request Report (CRR) detailing corrective actions and subsequent soil sampling events performed for two inadvertent releases of crude oil and produced water at the Ross Draw #012, also referred to as Ross Draw Unit #012 (Site). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, WPX is requesting No Further Action (NFA) at the Site.

SITE LOCATION AND RELEASE BACKGROUND

The Site is located in Unit A, Section 33, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.0047607°, -103.8798141°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM) (**Figure 1** in **Appendix A**).

nHMP1407325518

On March 5, 2014, it was discovered that a tank overflow resulted in the release of approximately 15 barrels (bbls) of crude oil and produced water within the secondary containment earthen berm; no fluids were recovered. WPX reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification and Corrective Action Form C-141 on March 6, 2014, and was subsequently assigned Incident Number nHMP1407325518. **Figure 2** in **Appendix A** depicts the observed subject release footprint, hereafter referred to as the Area of Concern #1 (AOC #1). It should be noted that the original Form C-141 for Incident Number nHMP1407325518 did not include Global Positioning System (GPS) coordinates for the release but are provided on the updated Final Form C-141.

Between January 15 and February 25, 2020, Etech conducted initial site assessment and delineation activities at the Site to investigate residual soil impacts associated with the AOC #1 and an additional release on the same production pad (Incident Number nAB1702749185). Upon receipt of analytical results, a Closure Request (CR) was prepared and submitted on March 27, 2020, for both incidents. The NMOCD reviewed the CR and denied the request for Incident Number nHMP1407325518 on March 29, 2023, for the following reason:

"The depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided in the submission. The responsible party may choose to remediate to the most stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to groundwater."

Multiple soil borings have been advanced to assist with the depth to groundwater determination of the region since the denial of Incident Number nHMP1407325518 and is described below. Summaries of previous sampling events and laboratory analytical results may be referenced in the CR. However, a more recent spill (Incident Number nAPP2315142829) overlapping AOC #1 has invalidated the laboratory analytical data in the CR, as the data does not provide a current representation of residual soil impacts in same earthen containment impacted by Incident Number nHMP1407235518. WPX requested an extension of the deadline for the two overlapping releases to provide enough time for additional planning, remediation activities and subsequent corrective action report, which was approved by the NMOCD on June 15, 2023.

nAPP2315142829

On May 19, 2023, a tank overflow resulted in the release of approximately 30 bbls of produced water within the secondary containment earthen berm overlapping AOC #1. A vacuum truck was dispatched to

the Site and recovered approximately 20 bbls of free-standing fluids. WPX reported the release to the NMOCD on a Form C-141 on May 31, 2023, and was subsequently assigned Incident Number nAPP2315142829. **Figure 2** in **Appendix A** depicts the observed release footprint, hereafter referred to as the Area of Concern #2 (AOC #2).

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.

The nearest permitted water well used in the CR with depth to water data was United States Geological Survey (USGS) well 320125103514701, located approximately 1.6 miles northeast of the Site. USGS well 320125103514701 has a reported depth of water 117 feet below ground surface (bgs) from 1987. Due to the age of the groundwater measurement and the distance of the well from the Site (greater than 25 years old and greater than ½ mile), NMOCD determined the data to be insufficient to assist with the regional groundwater depth estimate at the Site.

Since the submittal of the CR, on December 9, 2020, Talon LPE drilled a soil boring (MW-1), located approximately ½ mile northeast of the Site on the Ross Draw Unit #57 well pad. Using a truck mounted drill rig equipped with hollow stem auger, the soil boring was advanced to a total depth of 110 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. Following the observation period, the boring was plugged and abandoned according to the appropriate regulations. Well records for referenced wells are provided in **Appendix B**.

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

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

| Constituents of Concern (COCs) | Laboratory Analytical Method | Closure Criteria [†] |
|-----------------------------------|---|--|
| Chloride | Environmental Protection Agency (EPA) 300.0 | 20,000 milligram per kilogram (mg/kg) |
| Total Petroleum Hydrocarbon (TPH) | EPA 8015 M/D | 2,500 mg/kg |

| Gasoline Range Organics (GRO) + Diesel Range Organics (DRO) | EPA 8015 M/D | 1,000 mg/kg |
|--|--------------|-------------|
| Benzene | EPA 8021B | 10 mg/kg |
| Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX) | EPA 8021B | 50 mg/kg |

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

DELINEATION SOIL SAMPLING ACTIVITIES

On June 19, 2023, Etech conducted delineation activities to characterize residual impacted soil within and around AOC #1 and AOC #2. Two potholes (PH01 and PH02) were advanced within the secondary containment earthen berm impacted by the AOCs, and four potholes (PH03 through PH06) were advanced in every cardinal direction to confirm horizontal delineation of the AOCs. Delineation activities were driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach[®] chloride QuanTab[®] test strips. A total of two samples were collected from each delineation soil sampling location, representing the highest observed field screening concentrations and the greatest depth. Field screening results and soil descriptions are included on soil sampling logs shown in **Appendix C**. The locations of the delineation soil samples are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix D**.

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

DELINEATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all delineation soil samples were below the applicable Site Closure Criteria, except for soil samples collected at 0.5-foot bgs from PH01 and PH02 locations where laboratory analytical results indicated elevated chloride and TPH concentrations. Laboratory analytical results for soil samples collected from PH03 through PH06 locations provided sufficient horizontal delineation for both AOCs. Laboratory analytical results are summarized in **Table 1** included in **Appendix E**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix F**.

EXCAVATION SOIL SAMPLING ACTIVITIES

From July 26, 2023, to July 27, 2023, Etech directed excavation activities via mechanical equipment by referencing PH01 and PH02 laboratory analytical results and by field screening soil for VOCs and chloride as described above. Following the removal of soil, Etech collected 5-point composite floor soil samples (FS01 through FS06) and sidewall samples (SW01 and SW02) at a sampling frequency of 200 square feet from the excavation. The 5-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. The samples were then handled and analyzed for COCs as previously described.

Upon completion of remediation activities, impacted soil was removed from the Site and transported to a licensed and approved New Mexico landfill under WPX approved manifests. Upon receipt of the final confirmation excavation soil samples results, the excavation was backfilled with clean, locally sourced soil and the Site was restored to "as close to its original state" as possible. Photographic documentation of all Site activities is included in **Appendix D**.

EXCAVATION LABORATORY ANALYTICAL RESULTS

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

CLOSURE REQUEST

Based on the laboratory analytical results, WPX believes residual impacts associated with the two overlapping, inadvertent releases have been delineated, excavated, and removed from the Site. Concentrations of COCs for all excavation soil samples were below the applicable Site Closure Criteria. Furthermore, the horizontal periphery of impacts has been defined for AOC #1 and AOC #2 via delineation and/or confirmation sampling. WPX believes the completed remedial actions have mitigated impacts at the Site and fulfilled requirements set forth in NMAC 19.15.29.13 guidelines in order to be protective of human health, the environment and ground water. As such, WPX respectfully requests NFA of Incident Numbers nHMP1407325518 and nAPP2315142829.

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (281) 702-2329 or joseph@etechenv.com or Gilbert Moreno at (832) 541-7719 or gilbert@etechenv.com. Appendix G provides correspondence and email notification receipts associated with the subject releases. Previous remediation activities and soil sample analytical results for the subject release can be referenced in the Original CR in Appendix H.

Sincerely, Etech Environmental and Safety Solutions, Inc.

Gilbert Moreno Project Geologist

Joseph S. Hernandez Senior Managing Geologist

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

Appendices:

Appendix A: Figure 1: Site Map

Figure 2: Delineation Soil Sample Locations Figure 3: Excavation Soil Sample Locations

- Appendix B: Referenced Well Records
- Appendix C: Soil Sampling Logs
- Appendix D: Photographic Log
- Appendix E: Tables

- Appendix F: Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix G: NMOCD Notifications
- Appendix H: Original Closure Request

Closure Request Report Incident Numbers nHMP1407325518 & nAPP2315142829 Ross Draw Unit #012

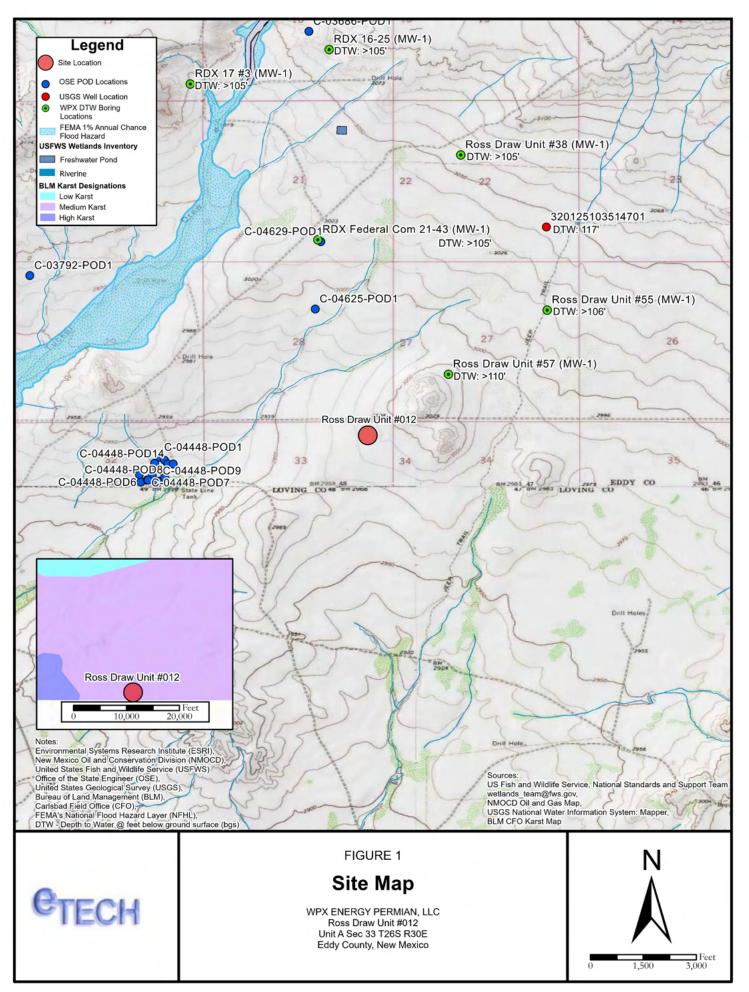
.

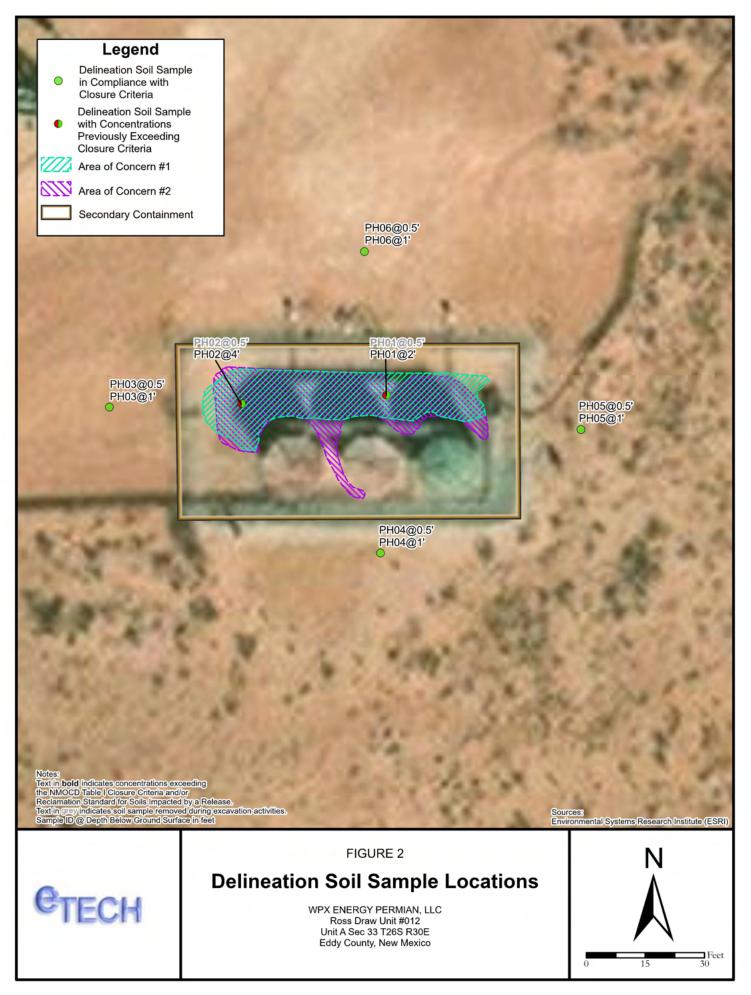
APPENDIX A

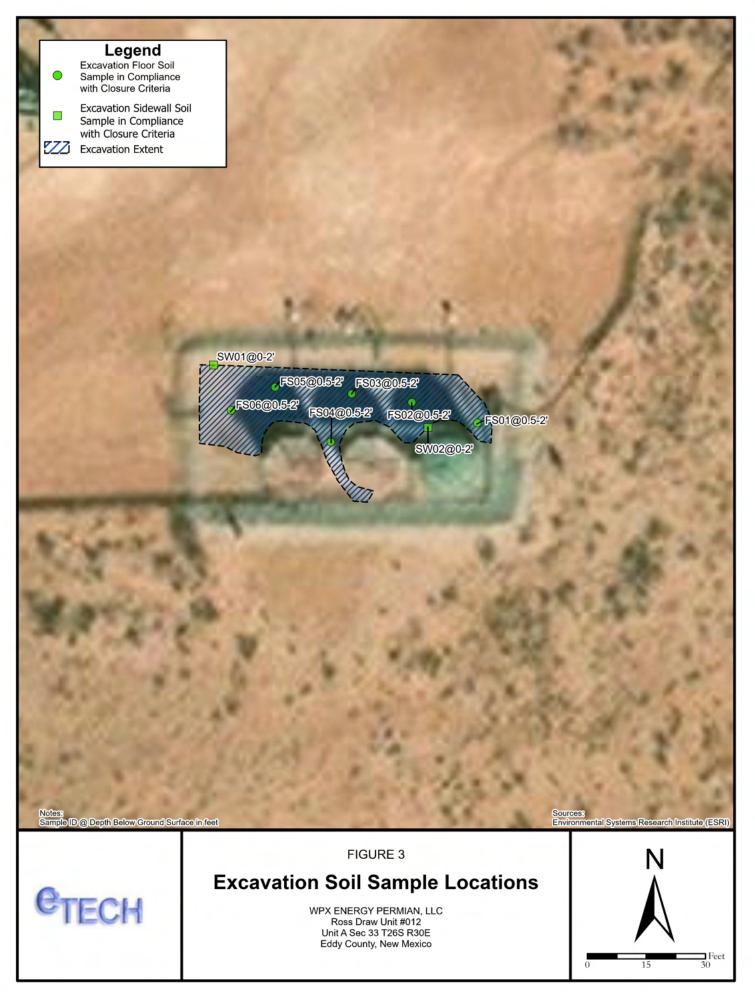
Figures

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









APPENDIX B

Referenced Well Record

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



| | | HR | L | | | | | | MONITORING W | ELL COMPLETION | N DIAGRAM |
|--|------------------|-----------------|--------------|-----------------------|----------|-----------|-----------------|---------------------|------------------------------|--|--------------------|
| | | | MPL | IAN | CE | | Boring/Wel | | W-1 | Location: Ross Draw U | Jnit #57 |
| | 714 | | LU1 | | NS | | Date: | 12/0 | 9/2020 | Client: WPX En | erav |
| Drilling Me | ethod: | | Sampling N | Aethod: | | | Logged By: | | /2020 | Drilled By: | cigy |
| | Air Rotar | y | G 10 | | one | | 0.15 | J. Li | nn, PG | Talon L Latitude: | PE |
| Gravel Pac | 0/20 Sar | nd | Gravel Pac | k Depth Into 3 E | ags | | Seal Type: N | lone | Seal Depth Interval: None | Latitude: 32.010 | 32 |
| Casing Typ | be: | Diameter: | | Depth Inter | | | Boring Tota | al Depth (ft. BC | | Longitude: | |
| PVC Screen Typ | be: | 2-inch Slot: | | 0-105 fe Diameter: | | Interval: | Well Total | L Depth (ft. BGS | 10 5): | -103.872 Depth to Water (ft. BTOC): | 246 DTW Date: |
| PVC | - | 0.010-ii | nch | 2-inch | - | 110 ft | | | 10 | > 110 | 12/16/2020 |
| Depth Interval (ft) | Recovery (ft) | Plasticity | Moisture | Odor | Staining | PID (ppm) | NSCS | Sample ID | Litholog | y/Remarks | Well Completion |
| 0 5 10 15 20 25 30 35 | NM | L/M | D | N | N | NM | SM | NS | | pale brown poorly fine sand | |
| 40 45 | NM | М | D | N | N | NM | SW | NS | | c orange well graded | |
| 50 55 | NM | М | D | Ν | Ν | NM | SM | NS | Pale orange red | tan silty fine sand | |
| 60 65 | NM | L | D | Ν | Ν | NM | SW | NS | Dark brown greyis | sh well graded sand | |
| 70 75 80 85 90 95 | NM | L/M | D to SL M | N | N | NM | SW | NS | Grey well | graded sand | |
| 100 105 | NM | L/M | D | N | N | NM | SM | NS | | pale brown poorly nd - TD 110' bgs | |

APPENDIX C

Soil Sampling Logs

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



| | | | | | . | | | Sample Name: PH01 | Date: 06/20/2023 |
|---------------------|--|----------|----------|-----------------|----------|-----|--------------|--|--|
| | | 2 | | | | | | Site Name: Ross Draw Unit #0 | |
| | | | | _(| | | | Incident Number: nHMP140723 Job Number: 18227 | 00010 & HAMM2310142829 |
| | | | <u> </u> | | | | • | | Mathada Da Li |
| | | | | | SAMPLII | |) | Logged By: EK | Method: Backhoe |
| | ordinate | | | | | | o Toot O | Hole Diameter: N/A | Total Depth: 2' apor, respectively. Chloride test |
| | | | | | | | | ction factors included. | apor, respectively. Chionde test |
| Moisture Content | Moisture Content Chloride (ppm) Vapor (ppm) Staining Staining Sample ID Sample ID Sample ID (feet bgs) (feet bgs) USCS/Rock | | | | | | | Lithologic Des | scriptions/Notes |
| Dry | 2,122 | 276.5 | Yes | PH01 | 0.5 | 0 | SW-SM | (0-2') SAND, dry, brown, well grade | ed with silt, fine to coarse |
| Dry | 1,944 | 43.0 | No | | 1 _ | _ 1 | | @1' no stain. | |
| Dry | 372 | 5.5 | No | PH01 | 2_ | - 2 | | @2' color change to reddish browr | n, no odor, pad fill. |
| | | <u> </u> | I | | | 1 | Total D | Depth | |
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| | | | | | | | | Sample Name: DU02 | Data: 06/20/2022 |
|---------------------|-------------------|----------------|----------|-----------|-------------------------------|---------------------|---------------------|--|--|
| | - | | | | | | | Sample Name: PH02 Site Name: Ross Draw Unit #0 | Date: 06/20/2023 |
| | | - | | | ĽН | | | Incident Number: nHMP1407235518 & nAPP2315142829 | |
| | | | | _ | 🥒 🛛 🖉 | | | Job Number: 18227 | 00010 0 HAFF2010142029 |
| | | | <u> </u> | | SAMPLI | | <u> </u> | | Mathad: Real/has |
| | ordinate | | | | | | , | Logged By: EK Hole Diameter: N/A | Method: Backhoe |
| | | | | | | H Chloride | - Test S | | Total Depth: 2' apor, respectively. Chloride test |
| perform | ied with | 1:4 dilut | ion fa | ctor of s | oil to distille | ed water. N | lo correc | ction factors included. | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (feet bgs) | Depth (feet bgs) | USCS/Rock Symbol | | scriptions/Notes |
| Dry | 6,064 | 57.8 | Yes | PH02 | 0.5 | - | SW-SM | (0-4') SAND, dry, brown, well grade ` | ed with silt, fine to coarse |
| Dry | 372 | 26.0 | No | | 1 _ | _ 1 | | @1' no stain. | |
| Dry | <120 | 181.2 | No | | 2 _ | - _ 2 | | @2' color change to reddish browr@4' no odor. | n, pad fill. |
| Dry | <120 | 53.2 | No | | 3 _ | 3 | | | |
| Dry | <120 | 18.2 | No | PH02 | 4 | _ 4 | | | |
| \square | | | | | | | Total D | Depth | |
| | | | | | | | | | |
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| | | | | Sample Name: PH03 | Date: 06/20/2023 |
|---|-------------------|--|----------------|-----------------------------------|---|
| | | CH | | Site Name: Ross Draw Unit | |
| | | | | Job Number: 18227 | 7235518 & nAPP2315142829 |
| | | | | | Mathadu Daalutaa |
| | | L SAMPLING | LUG | Logged By: EK | Method: Backhoe |
| Site Coordinates: 3 | | | blarida Taat S | Hole Diameter: N/A | Total Depth: 2' I vapor, respectively. Chloride test |
| performed with 1:4 | dilution factor | of soil to distilled w | ater. No corre | ction factors included. | i vapor, respectively. Chionde test |
| Moisture Content Chloride (ppm) Vapor | (ppm) Staining | Sample Sample Depth (feet bgs) Depth | US (f | _ | Descriptions/Notes |
| Dry <120 0 | 0.2 No PH | 03 0.5 | 0 SW-SM | (0-1') SAND, dry, tan, well grade | ed with silt, very fine to fine |
| Dry <120 0 | 0.4 No PH | 03 1 | 1 | | |
| | | I | I Total E | ı Depth | |
| | | | | | |

| | | 1 | | | | | | | |
|---------------------|-------------------|-----------------------|------------------|---------------|-------------------------------|---------------------|---------------------|--|--------------------------------------|
| | | | | - | N I I | n | | Sample Name: PH04 | Date: 06/20/2023 |
| | | 2 | | | CH | | | Site Name: Ross Draw Unit | #012 7235518 & nAPP2315142829 |
| | | | | _ | | | | | 7235518 & NAPP2315142829 |
| | | | 0.1. | | | | <u></u> | Job Number: 18227 | |
| | | | | | | NG LUC | כ | Logged By: EK | Method: Backhoe |
| Site Coo | | | | | | | - - | Hole Diameter: N/A | Total Depth: 2' |
| perform | ed with | a screei 1:4 dilut | ning (ion fa | conducte | oil to distille | ed water. I | No correct | trips and PID for chloride and ction factors included. | l vapor, respectively. Chloride test |
| | | | | | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (feet bgs) | Depth (feet bgs) | USCS/Rock Symbol | Lithologic D | Descriptions/Notes |
| Moi Co | Chl (p | Va (p | Sta | Sam | Sal De (fee | De (fee | USC: | | |
| Dry | <120 | 0.0 | No | PH04 | 0.5 | 0 | | (0-1') SAND, dry, tan, well grade | ed with silt, very fine to fine |
| Dry | | | | | | - | | | |
| Dry | <120 | 0.0 | No | PH04 | 1 _ | _ 1 | | | |
| $\overline{}$ | | | | | | | Total D | Depth | |
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| | | | | | Sample Name: PH05 | Date: 06/20/2023 | |
|---|--------------------------------|-------------------------------|---------------------|---------------------|---|------------------------------------|--|
| | TE | | | | Site Name: Ross Draw Unit # | | |
| | | | | | Incident Number: nHMP1407235518 & nAPP2315142829 Job Number: 18227 | | |
| | | | | | Logged By: EK | Method: Backhoe | |
| Site Coordinates: 32 | | | | | Hole Diameter: N/A | Total Depth: 2' | |
| | | | l Chloride | | | vapor, respectively. Chloride test | |
| performed with 1:4 d | ilution factor o | f soil to distilled | l water. N | lo correc | tion factors included. | | |
| Moisture Content Chloride (ppm) Vapor | (ppm) Staining Sample ID | Sample Depth (feet bgs) | Depth (feet bgs) | USCS/Rock Symbol | | escriptions/Notes | |
| Dry <120 0.0 | | 0.5 | 0 | SW-SM | (0-1') SAND, dry, tan, well graded | with silt, very fine to fine | |
| Dry <120 0.0 |) No PHO | 1 | 1 | | | | |
| | <u> </u> | · · | | Total D | epth | | |
| | | | | | | | |

| | | | | Sample Name: PH06 | Date: 06/20/2023 | |
|--|----------------------------|------------------------------|-------------------|--|--|--|
| | | ECH | | Site Name: Ross Draw Uni | | |
| | | | | Incident Number: nHMP1407235518 & nAPP2315142829 | | |
| | | | | Job Number: 18227 | | |
| | | SOIL SAMPL | | Logged By: EK | Method: Backhoe | |
| | | 07,-103.8798141 | ACH Chlorido Toot | Hole Diameter: N/A | Total Depth: 2' nd vapor, respectively. Chloride test | |
| | | | | ection factors included. | id vapor, respectively. Chionde test | |
| Moisture Content Chloride (ppm) | Vapor (ppm) Staining | Sample ID Sample Depth | - <u> </u> | | Descriptions/Notes | |
| Dry <120 | 0.0 No | PH06 0.5 | 0 sw-si | M (0-1') SAND, dry, tan, well grad | ded with silt, very fine to fine | |
| Dry <120 | 0.0 No | p PH06 1 | 1 | | | |
| \vdash | | | I Total | Depth | | |
| | | | | | | |

APPENDIX D

Photographic Log

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PHOTOGRAPHIC LOG WPX Energy Permian, LLC Ross Draw Unit #012 nHMP1407325518 & nAPP2315142829



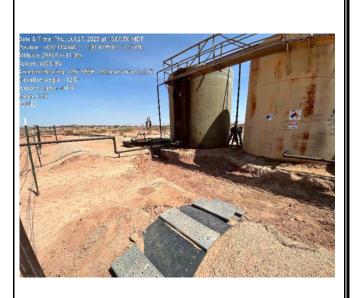
Photograph 1Date: 06/19/2023Description: Eastern view of delineation activitiesnear PH02.



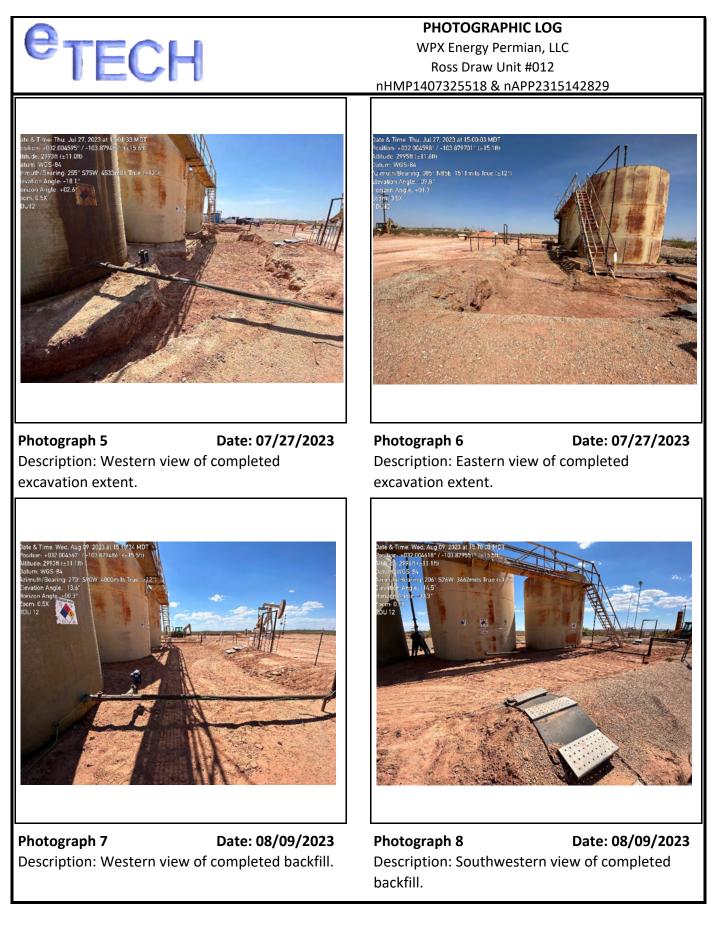
Photograph 2Date: 06/19/2023Description: Northeastern view of delineation
activities near PH03.



Photograph 3Date: 06/19/2023Description: Eastern view of delineation activitiesnear PH06.



Photograph 4Date: 07/27/2023Description: Southeastern view of completedexcavation extent.



APPENDIX E

Tables

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



| e _{TEC} | СН | | | | Table 1 SAMPLE ANALYT WPX Energy Pern Ross Draw Uni Eddy County, Nev | nian, LLC t #012 | | | | |
|---|----------------|----------------------------|--------------------|-------------------------|--|---------------------|--------------------|--------------------|----------------------|---------------------|
| 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 | 20,000 |
| | | | D | elineation Soil Samples | s - Incident Numbers n | HMP1407235518 & nAP | P2315142829 | | | |
| PH01 | 06/20/2023 | 0.5 | <0.0250 | 0.728 | 24.5 | 1,300 | 542 | 1,542 | 1,566.5 | 6,660 |
| PH01 | 06/20/2023 | 2 | <0.0250 | <0.0250 | <20.0 | 70.6 | <50.0 | 70.6 | 70.6 | <200 |
| PH02 | 06/20/2023 | 0.5 | <0.0500 | <0.0500 | <40.0 | 8,510 | 4,050 | 12,560 | 12,560 | 6,630 |
| PH02 | 06/20/2023 | 4 | <0.0250 | <0.0250 | <20.0 | 56.4 | <50.0 | 56.4 | 56.4 | <200 |
| PH03 | 06/20/2023 | 0.5 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <25.0 | <50.0 | <200 |
| PH03 | 06/20/2023 | 1 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <25.0 | <50.0 | <200 |
| PH04 | 06/20/2023 | 0.5 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <25.0 | <50.0 | 116 |
| PH04 | 06/20/2023 | 1 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <25.0 | <50.0 | <100 |
| PH05 | 06/20/2023 | 0.5 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <25.0 | <50.0 | <100 |
| PH05 | 06/20/2023 | 1 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <25.0 | <50.0 | <100 |
| PH06 | 06/20/2023 | 0.5 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <25.0 | <50.0 | <200 |
| PH06 | 06/20/2023 | 1 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <25.0 | <50.0 | <200 |
| | | | E | xcavation Soil Samples | s - Incident Numbers n | HMP1407235518 & nAP | P2315142829 | | | |
| FS01 | 07/28/23 | 0.5-2 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <25.0 | <50.0 | <200 |
| FS02 | 07/28/23 | 0.5-2 | <0.0250 | <0.0250 | <20.0 | 105 | 69.2 | 174.2 | 174.2 | 212 |
| FS03 | 07/28/23 | 0.5-2 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <25.0 | <50.0 | <200 |
| FS04 | 07/28/23 | 0.5-2 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <25.0 | <50.0 | <200 |
| FS05 | 07/28/23 | 0.5-2 | <0.0250 | <0.0250 | <20.0 | 212 | 146 | 358 | 358.0 | 381 |
| FS06 | 07/28/23 | 0.5-2 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <25.0 | <50.0 | <200 |
| SW01 | 07/28/23 | 0-2 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <25.0 | <50.0 | <200 |
| SW02 | 07/28/23 | 0-2 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <25.0 | <50.0 | <200 |

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics DRO: Dissel 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

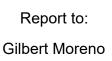
Concentrations in bold exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard for Soils Impacted by a Release

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

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







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: RDU 12

Work Order: E306160

Job Number: 01058-0007

Received: 6/21/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 8/21/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 8/21/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDU 12 Workorder: E306160 Date Received: 6/21/2023 10:00:00AM

Gilbert Moreno,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/21/2023 10:00:00AM, under the Project Name: RDU 12.

The analytical test results summarized in this report with the Project Name: RDU 12 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

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

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

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

Envirotech Web Address: www.envirotech-inc.com

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Received by OCD: 9/5/2023 9:23:35 AM

Sample Summary

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| | | Sample Sum | mary | | | | |
|-------------------|--|--------------------------------------|--|--|--|--|--|
| Energy - Carlsbad | Project Name: | RDU 12 | | Reported: | | | |
| Buena Vista Dr | | Project Number: | 01058-0007 | | keported: | | |
| bad NM, 88220 | Project Manager: | Gilbert Moreno | | 08/21/23 15:10 | | | |
| Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container | | |
| 5' | E306160-01A | Soil | 06/20/23 | 06/21/23 | Glass Jar, 2 oz. | | |
| | E306160-02A | Soil | 06/20/23 | 06/21/23 | Glass Jar, 2 oz. | | |
| 5' | E306160-03A | Soil | 06/20/23 | 06/21/23 | Glass Jar, 2 oz. | | |
| | E306160-04A | Soil | 06/20/23 | 06/21/23 | Glass Jar, 2 oz. | | |
| 5' | E306160-05A | Soil | 06/20/23 | 06/21/23 | Glass Jar, 2 oz. | | |
| | E306160-06A | Soil | 06/20/23 | 06/21/23 | Glass Jar, 2 oz. | | |
| 5' | E306160-07A | Soil | 06/20/23 | 06/21/23 | Glass Jar, 2 oz. | | |
| | E306160-08A | Soil | 06/20/23 | 06/21/23 | Glass Jar, 2 oz. | | |
| 5' | E306160-09A | Soil | 06/20/23 | 06/21/23 | Glass Jar, 2 oz. | | |
| | E306160-10A | Soil | 06/20/23 | 06/21/23 | Glass Jar, 2 oz. | | |
| 5' | E306160-11A | Soil | 06/20/23 | 06/21/23 | Glass Jar, 2 oz. | | |
| | E306160-12A | Soil | 06/20/23 | 06/21/23 | Glass Jar, 2 oz. | | |
| 5' 5' 5' | E306160-06A E306160-07A E306160-08A E306160-09A E306160-10A E306160-11A | Soil Soil Soil Soil Soil | 06/20/23 06/20/23 06/20/23 06/20/23 06/20/23 | 06/21/23 06/21/23 06/21/23 06/21/23 06/21/23 06/21/23 | Glass Jar, 2 oz. Glass Jar, 2 oz. | | |



.

| | 56 | imple D | ata | | | | |
|--|---------------|------------|----------------|-------------|----------------|---------------------|--|
| WPX Energy - Carlsbad | Project Name: | RDU | J 12 | | | | |
| 5315 Buena Vista Dr | Project Numbe | er: 010: | 01058-0007 | | | | |
| Carlsbad NM, 88220 | Project Manag | er: Gilb | Gilbert Moreno | | | 8/21/2023 3:10:36PM | |
| | | PH01 0.5' | | | | | |
| | | E306160-01 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analy | Analyst: SL | | Batch: 2325049 | |
| Benzene | ND | 0.0250 | 1 | 06/21/23 | 06/22/23 | | |
| Ethylbenzene | 0.128 | 0.0250 | 1 | 06/21/23 | 06/22/23 | | |
| Toluene | ND | 0.0250 | 1 | 06/21/23 | 06/22/23 | | |
| p-Xylene | 0.103 | 0.0250 | 1 | 06/21/23 | 06/22/23 | | |
| o,m-Xylene | 0.370 | 0.0500 | 1 | 06/21/23 | 06/22/23 | | |
| Fotal Xylenes | 0.472 | 0.0250 | 1 | 06/21/23 | 06/22/23 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 98.7 % | 70-130 | 06/21/23 | 06/22/23 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: SL | | Batch: 2325049 | | |
| Gasoline Range Organics (C6-C10) | 24.5 | 20.0 | 1 | 06/21/23 | 06/22/23 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 90.6 % | 70-130 | 06/21/23 | 06/22/23 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analy | vst: KM | | Batch: 2325064 | |
| Diesel Range Organics (C10-C28) | 1300 | 50.0 | 2 | 06/22/23 | 06/24/23 | | |
| Dil Range Organics (C28-C36) | 542 | 100 | 2 | 06/22/23 | 06/24/23 | | |
| Surrogate: n-Nonane | | 88.5 % | 50-200 | 06/22/23 | 06/24/23 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analy | vst: RAS | | Batch: 2325052 | |
| Chloride | 6660 | 400 | 20 | 06/21/23 | 06/23/23 | | |

Sample Data

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| | с С | sample D | ลเล | | | | |
|--|--------------|------------|------------|----------|----------|---------------------|--|
| WPX Energy - Carlsbad | Project Name | e: RDU | J 12 | | | | |
| 5315 Buena Vista Dr | Project Num | ber: 0103 | 58-0007 | | | Reported: | |
| Carlsbad NM, 88220 | Project Mana | ager: Gilb | ert Moreno | | | 8/21/2023 3:10:36PM | |
| | | PH01 2' | | | | | |
| | | E306160-02 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | t: SL | | Batch: 2325049 | |
| Benzene | ND | 0.0250 | 1 | 06/21/23 | 06/22/23 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/21/23 | 06/22/23 | | |
| Toluene | ND | 0.0250 | 1 | 06/21/23 | 06/22/23 | | |
| o-Xylene | ND | 0.0250 | 1 | 06/21/23 | 06/22/23 | | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/21/23 | 06/22/23 | | |
| Total Xylenes | ND | 0.0250 | 1 | 06/21/23 | 06/22/23 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 97.3 % | 70-130 | 06/21/23 | 06/22/23 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analys | t: SL | | Batch: 2325049 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/21/23 | 06/22/23 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 87.8 % | 70-130 | 06/21/23 | 06/22/23 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | :: KM | | Batch: 2325064 | |
| Diesel Range Organics (C10-C28) | 70.6 | 25.0 | 1 | 06/22/23 | 06/24/23 | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/22/23 | 06/24/23 | | |
| Surrogate: n-Nonane | | 76.7 % | 50-200 | 06/22/23 | 06/24/23 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | :: RAS | | Batch: 2325052 | |
| Chloride | ND | 200 | 10 | 06/21/23 | 06/23/23 | | |

| | 25 | ample D | ลเล | | | |
|--|---------------|------------|-------------|----------|----------|---------------------|
| WPX Energy - Carlsbad | Project Name: | RDU | J 12 | | | |
| 5315 Buena Vista Dr | Project Numbe | er: 0103 | 58-0007 | | | Reported: |
| Carlsbad NM, 88220 | Project Manag | ger: Gilb | ert Moreno | | | 8/21/2023 3:10:36PM |
| | | PH02 0.5' | | | | |
| | | E306160-03 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: SL | | | Batch: 2325049 |
| Benzene | ND | 0.0500 | 2 | 06/21/23 | 06/23/23 | |
| Ethylbenzene | ND | 0.0500 | 2 | 06/21/23 | 06/23/23 | |
| oluene | ND | 0.0500 | 2 | 06/21/23 | 06/23/23 | |
| -Xylene | ND | 0.0500 | 2 | 06/21/23 | 06/23/23 | |
| ,m-Xylene | ND | 0.100 | 2 | 06/21/23 | 06/23/23 | |
| Total Xylenes | ND | 0.0500 | 2 | 06/21/23 | 06/23/23 | |
| urrogate: 4-Bromochlorobenzene-PID | | 93.5 % | 70-130 | 06/21/23 | 06/23/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: SL | | | Batch: 2325049 |
| Gasoline Range Organics (C6-C10) | ND | 40.0 | 2 | 06/21/23 | 06/23/23 | |
| urrogate: 1-Chloro-4-fluorobenzene-FID | | 87.8 % | 70-130 | 06/21/23 | 06/23/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst | : KM | | Batch: 2325064 |
| Diesel Range Organics (C10-C28) | 8510 | 500 | 20 | 06/22/23 | 06/24/23 | |
| Dil Range Organics (C28-C36) | 4050 | 1000 | 20 | 06/22/23 | 06/24/23 | |
| urrogate: n-Nonane | | 114 % | 50-200 | 06/22/23 | 06/24/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst | : RAS | | Batch: 2325052 |
| Chloride | 6630 | 400 | 20 | 06/21/23 | 06/23/23 | |

| | 3 | ample D | ata | | | |
|--|--------------|------------|-------------|----------|----------|---------------------|
| WPX Energy - Carlsbad | Project Name | : RDI | J 12 | | | |
| 5315 Buena Vista Dr | Project Numb | ber: 010 | 58-0007 | | | Reported: |
| Carlsbad NM, 88220 | Project Mana | ger: Gilb | ert Moreno | | | 8/21/2023 3:10:36PM |
| | | PH02 4' | | | | |
| | | E306160-04 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: SL | | | Batch: 2325049 |
| Benzene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| Toluene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| p-Xylene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/21/23 | 06/23/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 96.1 % | 70-130 | 06/21/23 | 06/23/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: SL | | | Batch: 2325049 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/21/23 | 06/23/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 87.4 % | 70-130 | 06/21/23 | 06/23/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst | t: KM | | Batch: 2325064 |
| Diesel Range Organics (C10-C28) | 56.4 | 25.0 | 1 | 06/22/23 | 06/24/23 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/22/23 | 06/24/23 | |
| Surrogate: n-Nonane | | 79.5 % | 50-200 | 06/22/23 | 06/24/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst | t: RAS | | Batch: 2325052 |
| Chloride | ND | 200 | 10 | 06/21/23 | 06/23/23 | |
| | | | | | | |

| WPX Energy - Carlsbad Pro | · | | | | | | |
|---|------------|------------|-------------|-----------|----------|---------------------|--|
| The second | oject Name | : RDU | J 12 | | | | |
| 5315 Buena Vista Dr Pro | ject Numb | ber: 0105 | 58-0007 | | | Reported: | |
| Carlsbad NM, 88220 Pro | oject Mana | ger: Gilb | ert Moreno | | | 8/21/2023 3:10:36PM | |
| | | PH03 0.5' | | | | | |
| | | E306160-05 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Ana | lyst: SL | | Batch: 2325049 | |
| Benzene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | | |
| Toluene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | | |
| o-Xylene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | | |
| o,m-Xylene | ND | 0.0500 | 1 | 06/21/23 | 06/23/23 | | |
| Total Xylenes | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 90.5 % | 70-130 | 06/21/23 | 06/23/23 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: SL | | | Batch: 2325049 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/21/23 | 06/23/23 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 87.9 % | 70-130 | 06/21/23 | 06/23/23 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Ana | lyst: KM | | Batch: 2325064 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/22/23 | 06/24/23 | | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/22/23 | 06/24/23 | | |
| urrogate: n-Nonane | | 81.8 % | 50-200 | 06/22/23 | 06/24/23 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Ana | lyst: RAS | | Batch: 2325052 | |
| Chloride | ND | 200 | 10 | 06/21/23 | 06/23/23 | | |

| | S | ample D | ata | | | |
|--|--------------|------------|-------------|-------------|-----------|---------------------|
| WPX Energy - Carlsbad | Project Name | e: RDU | U 12 | | | |
| 5315 Buena Vista Dr | Project Numl | ber: 010 | 58-0007 | | Reported: | |
| Carlsbad NM, 88220 | Project Mana | iger: Gilb | ert Moreno | | | 8/21/2023 3:10:36PM |
| | | PH03 1' | | | | |
| | | E306160-06 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | Analyst: SL | | Batch: 2325049 |
| Benzene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| Toluene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| o-Xylene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| o,m-Xylene | ND | 0.0500 | 1 | 06/21/23 | 06/23/23 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 95.6 % | 70-130 | 06/21/23 | 06/23/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: SL | | | Batch: 2325049 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/21/23 | 06/23/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 86.3 % | 70-130 | 06/21/23 | 06/23/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | : KM | | Batch: 2325064 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/22/23 | 06/24/23 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/22/23 | 06/24/23 | |
| Surrogate: n-Nonane | | 78.3 % | 50-200 | 06/22/23 | 06/24/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | : RAS | | Batch: 2325052 |
| Chloride | ND | 200 | 10 | 06/21/23 | 06/23/23 | |
| | | | | | | |

| | 3 | ample D | ata | | | |
|--|---------------|------------|-------------|----------|----------|---------------------|
| WPX Energy - Carlsbad | Project Name | : RDU | J 12 | | | |
| 5315 Buena Vista Dr | Project Numb | oer: 0105 | 58-0007 | | | Reported: |
| Carlsbad NM, 88220 | Project Manag | ger: Gilb | ert Moreno | | | 8/21/2023 3:10:36PM |
| | | PH04 0.5' | | | | |
| | | E306160-07 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: SL | | | Batch: 2325049 |
| Benzene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| Toluene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| p-Xylene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| o,m-Xylene | ND | 0.0500 | 1 | 06/21/23 | 06/23/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 93.2 % | 70-130 | 06/21/23 | 06/23/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: SL | | | Batch: 2325049 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/21/23 | 06/23/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 87.0 % | 70-130 | 06/21/23 | 06/23/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | t: KM | | Batch: 2325064 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/22/23 | 06/24/23 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/22/23 | 06/24/23 | |
| Surrogate: n-Nonane | | 81.3 % | 50-200 | 06/22/23 | 06/24/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | t: RAS | | Batch: 2325052 |
| Chloride | 116 | 100 | 5 | 06/21/23 | 06/23/23 | |
| | | | | | | |

| | 3 | Sample D | ata | | | |
|---|--------------|------------|-------------|----------|----------|---------------------|
| WPX Energy - Carlsbad | Project Name | e: RDI | J 12 | | | |
| 5315 Buena Vista Dr | Project Num | ber: 010: | 58-0007 | | | Reported: |
| Carlsbad NM, 88220 | Project Mana | ager: Gilb | ert Moreno | | | 8/21/2023 3:10:36PM |
| | | PH04 1' | | | | |
| | | E306160-08 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| olatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: SL | | | Batch: 2325049 |
| enzene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| thylbenzene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| bluene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| Xylene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| m-Xylene | ND | 0.0500 | 1 | 06/21/23 | 06/23/23 | |
| otal Xylenes | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| urrogate: 4-Bromochlorobenzene-PID | | 94.7 % | 70-130 | 06/21/23 | 06/23/23 | |
| onhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: SL | | | Batch: 2325049 |
| asoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/21/23 | 06/23/23 | |
| urrogate: 1-Chloro-4-fluorobenzene-FID | | 86.6 % | 70-130 | 06/21/23 | 06/23/23 | |
| onhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | t: KM | | Batch: 2325064 |
| iesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/22/23 | 06/24/23 | |
| il Range Organics (C28-C36) | ND | 50.0 | 1 | 06/22/23 | 06/24/23 | |
| urrogate: n-Nonane | | 92.0 % | 50-200 | 06/22/23 | 06/24/23 | |
| nions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | t: RAS | | Batch: 2325052 |
| hloride | ND | 100 | 5 | 06/21/23 | 06/23/23 | |

| | 3 | ample D | ata | | | |
|--|--------------|------------|-------------|----------|----------------|---------------------|
| WPX Energy - Carlsbad | Project Name | e: RDU | J 12 | | | |
| 5315 Buena Vista Dr | Project Numb | ber: 0105 | 58-0007 | | | Reported: |
| Carlsbad NM, 88220 | Project Mana | ger: Gilb | ert Moreno | | | 8/21/2023 3:10:36PM |
| | | PH05 0.5' | | | | |
| | | E306160-09 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: SL | | Batch: 2325049 | |
| Benzene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| Toluene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| p-Xylene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| o,m-Xylene | ND | 0.0500 | 1 | 06/21/23 | 06/23/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 92.7 % | 70-130 | 06/21/23 | 06/23/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: SL | | | Batch: 2325049 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/21/23 | 06/23/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 87.4 % | 70-130 | 06/21/23 | 06/23/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | st: KM | | Batch: 2325064 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/22/23 | 06/24/23 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/22/23 | 06/24/23 | |
| Surrogate: n-Nonane | | 89.9 % | 50-200 | 06/22/23 | 06/24/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | st: RAS | | Batch: 2325052 |
| Chloride | ND | 100 | 5 | 06/21/23 | 06/23/23 | |
| | | | | | | |

| | 3 | ample D | ลเล | | | | |
|---|--------------|------------|-------------|----------|----------|---------------------|--|
| WPX Energy - Carlsbad | Project Name | e: RDU | J 12 | | | | |
| 5315 Buena Vista Dr | Project Numl | ber: 010 | 58-0007 | | | Reported: | |
| Carlsbad NM, 88220 | Project Mana | ager: Gilb | ert Moreno | | | 8/21/2023 3:10:36PM | |
| | | PH05 1' | | | | | |
| | | E306160-10 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| olatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: SL | | | Batch: 2325049 | |
| enzene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | | |
| thylbenzene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | | |
| oluene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | | |
| -Xylene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | | |
| ,m-Xylene | ND | 0.0500 | 1 | 06/21/23 | 06/23/23 | | |
| otal Xylenes | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | | |
| urrogate: 4-Bromochlorobenzene-PID | | 95.7 % | 70-130 | 06/21/23 | 06/23/23 | | |
| onhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: SL | | | Batch: 2325049 | |
| asoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/21/23 | 06/23/23 | | |
| urrogate: 1-Chloro-4-fluorobenzene-FID | | 88.2 % | 70-130 | 06/21/23 | 06/23/23 | | |
| onhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | t: KM | | Batch: 2325064 | |
| viesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/22/23 | 06/24/23 | | |
| vil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/22/23 | 06/24/23 | | |
| urrogate: n-Nonane | | 92.1 % | 50-200 | 06/22/23 | 06/24/23 | | |
| anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | t: RAS | | Batch: 2325052 | |
| hloride | ND | 100 | 5 | 06/21/23 | 06/23/23 | | |

| Carlsbad NM, 88220 Project Manager: Gilbert Moreno 8/21/2 PH06 0.5' E306160-11 Reporting Analyte Result Limit Dilution Prepared Analyzed No | Reported: 023 3:10:36PM |
|--|-----------------------------------|
| Carlsbad NM, 88220 Project Manager: Gilbert Moreno 8/21/2 PH06 0.5' E306160-11 Reporting Analyte Result Limit Dilution Prepared Analyzed No Volatile Organics by EPA 8021B mg/kg mg/kg Analyst: SL Batch: Benzene ND 0.0250 1 06/21/23 06/23/23 Ethylbenzene ND 0.0250 1 06/21/23 06/23/23 | • |
| PH06 0.5' E306160-11 Reporting Analyte Result Limit Dilution Prepared Analyzed No Volatile Organics by EPA 8021B mg/kg mg/kg Analyst: SL Batch: Benzene ND 0.0250 1 06/21/23 06/23/23 Ethylbenzene ND 0.0250 1 06/21/23 06/23/23 | 023 3:10:36PM |
| E306160-11 Reporting Analyte Result Limit Dilution Prepared Analyzed Not Volatile Organics by EPA 8021B mg/kg mg/kg Analyst: SL Batch: Benzene ND 0.0250 1 06/21/23 06/23/23 Ethylbenzene | |
| Reporting Analyte Result Limit Dilution Prepared Analyzed No Volatile Organics by EPA 8021B mg/kg mg/kg Analyst: SL Batch: Benzene ND 0.0250 1 06/21/23 06/23/23 Ethylbenzene ND 0.0250 1 06/21/23 06/23/23 | |
| AnalyteResultLimitDilutionPreparedAnalyzedNoVolatile Organics by EPA 8021Bmg/kgmg/kgAnalyst: SLBatch:BenzeneND0.0250106/21/2306/23/23EthylbenzeneND0.0250106/21/2306/23/23 | |
| Volatile Organics by EPA 8021B mg/kg mg/kg Analyst: SL Batch: Benzene ND 0.0250 1 06/21/23 06/23/23 Ethylbenzene ND 0.0250 1 06/21/23 06/23/23 | |
| ND 0.0250 1 06/21/23 06/23/23 Ethylbenzene ND 0.0250 1 06/21/23 06/23/23 | otes |
| Ethylbenzene ND 0.0250 1 06/21/23 06/23/23 | 2325049 |
| | |
| Toluene ND 0.0250 1 06/21/23 06/23/23 | |
| | |
| ND 0.0250 1 06/21/23 06/23/23 | |
| ND 0.0500 1 06/21/23 06/23/23 | |
| ND 0.0250 1 06/21/23 06/23/23 | |
| Surrogate: 4-Bromochlorobenzene-PID 96.1 % 70-130 06/21/23 06/23/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: SL Batch: | 2325049 |
| Gasoline Range Organics (C6-C10) ND 20.0 1 06/21/23 06/23/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID 86.5 % 70-130 06/21/23 06/23/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO mg/kg mg/kg Analyst: KM Batch: | 2325064 |
| Diesel Range Organics (C10-C28) ND 25.0 1 06/22/23 06/24/23 | |
| Dil Range Organics (C28-C36) ND 50.0 1 06/22/23 06/24/23 | |
| Surrogate: n-Nonane 92.3 % 50-200 06/22/23 06/24/23 | |
| Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: RAS Batch: | |
| Chloride ND 200 10 06/21/23 06/23/23 | 2325052 |



| | 3 | sample D | ata | | | |
|--|--------------|------------|-------------|----------|----------|---------------------|
| WPX Energy - Carlsbad | Project Name | e: RDU | J 12 | | | |
| 5315 Buena Vista Dr | Project Numl | ber: 010 | 58-0007 | | | Reported: |
| Carlsbad NM, 88220 | Project Mana | ager: Gilb | ert Moreno | | | 8/21/2023 3:10:36PM |
| | | PH06 1' | | | | |
| | | E306160-12 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: SL | | | Batch: 2325049 |
| Benzene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| Toluene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| p-Xylene | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| o,m-Xylene | ND | 0.0500 | 1 | 06/21/23 | 06/23/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/21/23 | 06/23/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 95.1 % | 70-130 | 06/21/23 | 06/23/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: SL | | | Batch: 2325049 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/21/23 | 06/23/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 85.9 % | 70-130 | 06/21/23 | 06/23/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst | t: KM | | Batch: 2325064 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/22/23 | 06/24/23 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/22/23 | 06/24/23 | |
| Surrogate: n-Nonane | | 82.6 % | 50-200 | 06/22/23 | 06/24/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst | t: RAS | | Batch: 2325052 |
| Chloride | ND | 200 | 10 | 06/21/23 | 06/23/23 | |
| | | | | | | |

QC Summary Data

| | | | D.V. 1.0 | | | | | |
|-------|--|--|--|---|--|--|---|---|
| | | | | | | | | Reported: |
| | • | 01 | 058-0007 | | | | | |
| | Project Manager: | G | ilbert Moreno | | | | | 8/21/2023 3:10:36PM |
| | Volatile O | rganics b | oy EPA 802 | 1B | | | | Analyst: SL |
| | Reporting | Spike | Source | | Rec | | RPD | |
| | | | | | | | | |
| mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| | | | | | | Prepared: 0 | 6/21/23 A | nalyzed: 06/22/23 |
| ND | 0.0250 | | | | | | | |
| ND | 0.0250 | | | | | | | |
| ND | 0.0250 | | | | | | | |
| ND | 0.0250 | | | | | | | |
| ND | 0.0500 | | | | | | | |
| ND | 0.0250 | | | | | | | |
| 7.61 | | 8.00 | | 95.1 | 70-130 | | | |
| | | | | | | Prepared: 0 | 6/21/23 A | nalyzed: 06/22/23 |
| 5.12 | 0.0250 | 5.00 | | 102 | 70-130 | | | |
| 5.01 | 0.0250 | 5.00 | | 100 | 70-130 | | | |
| 5.08 | 0.0250 | 5.00 | | 102 | 70-130 | | | |
| 5.02 | 0.0250 | 5.00 | | 100 | 70-130 | | | |
| 10.2 | 0.0500 | 10.0 | | 102 | 70-130 | | | |
| 15.2 | 0.0250 | 15.0 | | 102 | 70-130 | | | |
| 7.65 | | 8.00 | | 95.6 | 70-130 | | | |
| | | | Source: | E306159- | 07 | Prepared: 0 | 6/21/23 A | nalyzed: 06/22/23 |
| 4.99 | 0.0250 | 5.00 | ND | 99.8 | 54-133 | | | |
| 4.89 | 0.0250 | 5.00 | ND | 97.8 | 61-133 | | | |
| 4.96 | 0.0250 | 5.00 | ND | 99.1 | 61-130 | | | |
| 4.89 | 0.0250 | 5.00 | ND | 97.8 | 63-131 | | | |
| 9.96 | 0.0500 | 10.0 | ND | 99.6 | 63-131 | | | |
| 14.9 | 0.0250 | 15.0 | ND | 99.0 | 63-131 | | | |
| 7.59 | | 8.00 | | 94.9 | 70-130 | | | |
| | | | Source: | E306159- | 07 | Prepared: 0 | 6/21/23 A | nalyzed: 06/22/23 |
| 5.22 | 0.0250 | 5.00 | ND | 104 | 54-133 | 4.56 | 20 | |
| 5.14 | 0.0250 | 5.00 | ND | 103 | 61-133 | 4.99 | 20 | |
| 5.20 | 0.0250 | 5.00 | ND | 104 | 61-130 | 4.72 | 20 | |
| 5.13 | 0.0250 | 5.00 | ND | 103 | 63-131 | 4.76 | 20 | |
| 10.4 | 0.0500 | 10.0 | ND | 104 | 63-131 | 4.78 | 20 | |
| 10.4 | 0.0500 | 10.0 | ND | 104 | 03-131 | 7.70 | 20 | |
| | ND ND ND ND 7.61 5.12 5.01 5.08 5.02 10.2 15.2 7.65 4.99 4.89 4.96 4.89 9.96 14.9 7.59 5.22 5.14 5.20 | Solution Second graph ND 0.0250 7.61 0.0250 5.02 0.0250 5.03 0.0250 5.04 0.0250 7.65 0.0250 4.89 0.0250 4.89 0.0250 9.96 0.0500 14.9 0.0250 7.59 5.22 0.0250 5.14 0.0250 5.20 0.0250 | ND 0.0250 S.12 0.0250 5.00 5.01 0.0250 5.00 5.02 0.0250 5.00 10.2 0.0250 5.00 4.99 0.0250 5.00 4.89 0.0250 5.00 4.89 0.0250 5.00 9.96 0.0500 10.0 9.96 0.0500 10.0 14.9 0.0250 < | Project Number: 01058-0007 Gilbert Moreno Volatile Organics by EPA 802 Result Reporting Limit Spike Level Source Result mg/kg mg/kg mg/kg mg/kg ND 0.0250 mg/kg mg/kg ND 0.0250 mg/kg mg/kg ND 0.0250 mg/kg mg/kg ND 0.0250 mg/kg mg/kg Sile 0.0250 5.00 mg/kg Mile 0.0250 5.00 mg/kg </td <td>ND 0.0250 Spike Source Result Reporting Spike Result Rec mg/kg mg/kg mg/kg mg/kg % ND 0.0250 mg/kg mg/kg % ND 0.0250 mg/kg mg/kg % State ND 0.0250 mg/kg % ND 0.0250 ND 0.0250 % ND 0.0250 ND 0.0250 % S.12 0.0250 5.00 102 5.01 0.0250 5.00 102 5.02 0.0250 5.00 102 5.03 100 102 102 5.04 0.0250 5.00 102 5.05 5.00 102 102 5.02 0.0250 5.00 102 7.65 8.00 95.6 102 7.65 8.00 95.6 102 7.65 5.00 ND<!--</td--><td>Project Number: 01058-0007 Project Manager: Gilbert Moreno Volatile Organics by EPA 8021B Result Reporting mg/kg Spike mg/kg Source Result Rec Limit ND 0.0250 mg/kg mg/kg % % ND 0.0250 support support % % ND 0.0250 support support support % % ND 0.0250 support support support % % ND 0.0250 support support support % % Support 0.0250 support supp</td><td>ND Spike Source Rec Limit RPD mg/kg mg/kg mg/kg mg/kg % % % % ND 0.0250 mg/kg mg/kg mg/kg mg/kg %</td><td>ND O250 Number: O1058-0007 Project Number: Gilbert Moreno Volatile Organics by EPA 8021B Result Reporting Spike Source Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % ND 0.0250 mp Prepared: 06/21/23 A ND 0.0250 ND 0.0250 Prepared: 06/21/23 A ND 0.0250 ND 0.0250 Prepared: 06/21/23 A S.12 0.0250 5.00 102 70-130 Prepared: 06/21/23 A 5.01 0.0250 5.00 100 70-130 Prepared: 06/21/23 A 5.12 0.0250 5.00 100 70-130 Prepared: 06/21/23 A 5.02 0.0250 5.00 100 70-130 Prepared: 06/21/23 A 5.02 0.</td></td> | ND 0.0250 Spike Source Result Reporting Spike Result Rec mg/kg mg/kg mg/kg mg/kg % ND 0.0250 mg/kg mg/kg % ND 0.0250 mg/kg mg/kg % State ND 0.0250 mg/kg % ND 0.0250 ND 0.0250 % ND 0.0250 ND 0.0250 % S.12 0.0250 5.00 102 5.01 0.0250 5.00 102 5.02 0.0250 5.00 102 5.03 100 102 102 5.04 0.0250 5.00 102 5.05 5.00 102 102 5.02 0.0250 5.00 102 7.65 8.00 95.6 102 7.65 8.00 95.6 102 7.65 5.00 ND </td <td>Project Number: 01058-0007 Project Manager: Gilbert Moreno Volatile Organics by EPA 8021B Result Reporting mg/kg Spike mg/kg Source Result Rec Limit ND 0.0250 mg/kg mg/kg % % ND 0.0250 support support % % ND 0.0250 support support support % % ND 0.0250 support support support % % ND 0.0250 support support support % % Support 0.0250 support supp</td> <td>ND Spike Source Rec Limit RPD mg/kg mg/kg mg/kg mg/kg % % % % ND 0.0250 mg/kg mg/kg mg/kg mg/kg %</td> <td>ND O250 Number: O1058-0007 Project Number: Gilbert Moreno Volatile Organics by EPA 8021B Result Reporting Spike Source Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % ND 0.0250 mp Prepared: 06/21/23 A ND 0.0250 ND 0.0250 Prepared: 06/21/23 A ND 0.0250 ND 0.0250 Prepared: 06/21/23 A S.12 0.0250 5.00 102 70-130 Prepared: 06/21/23 A 5.01 0.0250 5.00 100 70-130 Prepared: 06/21/23 A 5.12 0.0250 5.00 100 70-130 Prepared: 06/21/23 A 5.02 0.0250 5.00 100 70-130 Prepared: 06/21/23 A 5.02 0.</td> | Project Number: 01058-0007 Project Manager: Gilbert Moreno Volatile Organics by EPA 8021B Result Reporting mg/kg Spike mg/kg Source Result Rec Limit ND 0.0250 mg/kg mg/kg % % ND 0.0250 support support % % ND 0.0250 support support support % % ND 0.0250 support support support % % ND 0.0250 support support support % % Support 0.0250 support supp | ND Spike Source Rec Limit RPD mg/kg mg/kg mg/kg mg/kg % % % % ND 0.0250 mg/kg mg/kg mg/kg mg/kg % | ND O250 Number: O1058-0007 Project Number: Gilbert Moreno Volatile Organics by EPA 8021B Result Reporting Spike Source Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % ND 0.0250 mp Prepared: 06/21/23 A ND 0.0250 ND 0.0250 Prepared: 06/21/23 A ND 0.0250 ND 0.0250 Prepared: 06/21/23 A S.12 0.0250 5.00 102 70-130 Prepared: 06/21/23 A 5.01 0.0250 5.00 100 70-130 Prepared: 06/21/23 A 5.12 0.0250 5.00 100 70-130 Prepared: 06/21/23 A 5.02 0.0250 5.00 100 70-130 Prepared: 06/21/23 A 5.02 0. |



QC Summary Data

| | | $\mathbf{v} \mathbf{v} \mathbf{v}$ | | ary Data | • | | | | |
|--|--------|--|----------------|--|----------|---------------|-------------|--------------|---|
| WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220 | | Project Name: Project Number: Project Manager: | 0 | RDU 12 01058-0007 Gilbert Moreno | | | | | Reported: 8/21/2023 3:10:36PM |
| Calisbau IVIVI, 88220 | • | , , | | | - | | | | 6/21/2025 5.10.501 W |
| | Noi | nhalogenated C | Organics | 5 by EPA 801 | 5D - GI | 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 (2325049-BLK1) | | | | | | | Prepared: 0 | 6/21/23 A | Analyzed: 06/22/23 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.27 | | 8.00 | | 90.9 | 70-130 | | | |
| LCS (2325049-BS2) | | | | | | | Prepared: 0 | 6/21/23 A | Analyzed: 06/22/23 |
| Gasoline Range Organics (C6-C10) | 46.3 | 20.0 | 50.0 | | 92.6 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.37 | | 8.00 | | 92.2 | 70-130 | | | |
| Matrix Spike (2325049-MS2) | | | | Source: H | 2306159- | 07 | Prepared: 0 | 6/21/23 A | Analyzed: 06/22/23 |
| Gasoline Range Organics (C6-C10) | 46.7 | 20.0 | 50.0 | ND | 93.5 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.17 | | 8.00 | | 89.7 | 70-130 | | | |
| Matrix Spike Dup (2325049-MSD2) | | | | Source: I | 2306159- | 07 | Prepared: 0 | 6/21/23 A | Analyzed: 06/22/23 |
| Gasoline Range Organics (C6-C10) | 47.1 | 20.0 | 50.0 | ND | 94.2 | 70-130 | 0.786 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.36 | | 8.00 | | 91.9 | 70-130 | | | |

QC Summary Data

| | | QC SI | | ary Data | | | | | |
|--|-----------------|--|-------------------------|--|----------|--------------------|-------------|-------------------|---|
| WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220 | | Project Name: Project Number: Project Manager: | C | RDU 12)1058-0007 Gilbert Moreno | | | | | Reported: 8/21/2023 3:10:36PM |
| | Nonh | alogenated Orga | anics by | y EPA 8015D | - 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 (2325064-BLK1) | | | | | | | Prepared: 0 | 6/22/23 A | analyzed: 06/23/23 |
| Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36) | ND ND | 25.0 50.0 | | | | | | | |
| Surrogate: n-Nonane | 48.7 | | 50.0 | | 97.4 | 50-200 | | | |
| LCS (2325064-BS1) | | | | | | | Prepared: 0 | 6/22/23 A | analyzed: 06/23/23 |
| Diesel Range Organics (C10-C28) | 270 | 25.0 | 250 | | 108 | 38-132 | | | |
| Surrogate: n-Nonane | 34.5 | | 50.0 | | 68.9 | 50-200 | | | |
| Matrix Spike (2325064-MS1) | | | | Source: I | 2306160- | 04 | Prepared: 0 | 6/22/23 A | analyzed: 06/23/23 |
| Diesel Range Organics (C10-C28) | 342 | 25.0 | 250 | 56.4 | 114 | 38-132 | | | |
| Surrogate: n-Nonane | 31.1 | | 50.0 | | 62.2 | 50-200 | | | |
| Matrix Spike Dup (2325064-MSD1) | | | | Source: I | 2306160- | 04 | Prepared: 0 | 6/22/23 A | analyzed: 06/23/23 |
| Diesel Range Organics (C10-C28) | 367 | 25.0 | 250 | 56.4 | 124 | 38-132 | 7.07 | 20 | |
| Surrogate: n-Nonane | 30.7 | | 50.0 | | 61.4 | 50-200 | | | |



QC Summary Data

| | | | | <i>J</i> | | | | | |
|---------------------------------|--------|--------------------|----------------|---------------------|-----------|---------------|-------------|--------------|---------------------|
| WPX Energy - Carlsbad | | Project Name: | R | DU 12 | | | | | Reported: |
| 5315 Buena Vista Dr | | Project Number: | : 0 | 1058-0007 | | | | | |
| Carlsbad NM, 88220 | | Project Manager | r: G | ilbert Moreno | | | | | 8/21/2023 3:10:36PM |
| | | Anions | by EPA | 300.0/9056 <i>A</i> | ۱. | | | | 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 (2325052-BLK1) | | | | | | | Prepared: 0 | 6/21/23 A | Analyzed: 06/23/23 |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2325052-BS1) | | | | | | | Prepared: 0 | 6/21/23 A | Analyzed: 06/23/23 |
| Chloride | 246 | 20.0 | 250 | | 98.6 | 90-110 | | | |
| Matrix Spike (2325052-MS1) | | | | Source: | E306159-(| 01 | Prepared: 0 | 6/21/23 A | Analyzed: 06/23/23 |
| Chloride | 264 | 20.0 | 250 | ND | 106 | 80-120 | | | |
| Matrix Spike Dup (2325052-MSD1) | | | | Source: | E306159-(|)1 | Prepared: 0 | 6/21/23 A | Analyzed: 06/23/23 |
| Chloride | 264 | 20.0 | 250 | ND | 106 | 80-120 | 0.0462 | 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

| - | | | | |
|---|-----------------------|------------------|----------------|----------------|
| l | WPX Energy - Carlsbad | Project Name: | RDU 12 | |
| l | 5315 Buena Vista Dr | Project Number: | 01058-0007 | Reported: |
| l | Carlsbad NM, 88220 | Project Manager: | Gilbert Moreno | 08/21/23 15:10 |

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



| lient: V | NPX Energy Per | rmian LL | | | Bill To | | | T | and the second | Lah | Use Or | inly | ALC: NOT | | | TAT | Т | FPA F | Program |
|-----------------|----------------------------|----------------|----------------------|----------------------|---|-----------|---------------|------------|------------------------------------|-----------------------------|----------------------------|-------------------|-----------------|-----------|----------|-------------------|---|---|----------|
| | RDU 12 | | | | Attention: Jim Raley | No. Start | | Lab V | | Lub C | CONTRACTOR OF AN | Num | ber | 1D | 12D | | No. of the second | CWA | SDWA |
| | Manager: Gilbe | ert More | no | | Address: 5315 Buena Vista | a Dr. | | | COUL | 100 | | | -0007 | | | | 5 day TAT | | |
| | s: 13000 W Cou | | | | City, State, Zip: Carlsbad, N | | <u>ر</u> | | 101.0 | *** | | | ind Metho | J | <u> </u> | | | | RCRA |
| | ate, Zip_Odessa | | 65 | | Phone: 575-885-7502 | | A TEBY | T | λq | T | Т | $\overline{\Box}$ | | Ī | | ΓT | | | |
| | 832-541-7719 | | A | | Email: jim.raley@dvn.com | n | T STEP | 1 | RC RC | | | 1 - 1 | | 1.00 | 1 ' | $f = \frac{1}{2}$ | 1 | State | |
| | Devon-team@et | | .com | | WBS/WO: JBD 4 2 | 21169911 | 1 | | GRO/DRO/ORO by 5 6 by 8021 | - - | | 0.0 | 1 | MN | 1 / | | NM CO | UT AZ | TX |
| Collecte | ed by: Edyte Kor | nan | | 14 | Incident ID: nAB17027491 | | | 1 3 1 | nd/c | 8U- | 5010 | 300 | 1 | | 1 ' | Ϋ́ | · • | | |
| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | nAPP2315142 | 2829 | Lab Number | Depth(ft.) | TPH GRO/DR 8015 BTEX by 8021 | BTEX by 8021 VOC by 8260 | VOC by 8260 Metals 6010 | Chloride 300.0 | | BGDOC | | GDOC | | Remarks | ,] |
| 10:00 | 6/20/2023 | S | 1 | | PH01 | | 1 | 0.5' | | T | 1 | | | x | | Ť | | | |
| 10:10 | 6/20/2023 | S | 1 | 2 | PH01 | | 2 | 2' | | × | | | | x | | \square | | | |
| 10:20 | 6/20/2023 | S | 1 | | PH02 | | 3 | 0.5' | | | T | | | X | H | \square | | | |
| 10:30 | 6/20/2023 | S | 1 | | PH02 | | 4 | 4' | | | | | | X | | | | | |
| 10:40 | 6/20/2023 | S | 1 | | PH03 | | 5 | 0.5' | | | | | | x | | | | | 1.0 |
| 10:50 | 6/20/2023 | S | 1 | | PH03 | | 0 | 1' | | | | | | x | | | | | |
| 11:00 | 6/20/2023 | S | 1 | | PH04 | - | | 0.5' | | | | | | x | | | | | |
| 11:10 | 6/20/2023 | S | 1 | | PH04 | | 8 | 1' | | | | | | x | | | | | |
| 11:20 | 6/20/2023 | S | 1 | | PH05 | | 9 | 0.5' | | | | | | x | | | | | |
| 11:30 | 6/20/2023 | S | 1 | | PH05 | | 10 | 1' | | | | | | x | | | - | | |
| | nal Instructions | | authenticity | of this sample. Tai | im aware that tampering with or intentionally | | the sample l | location, | 2° | | | | | | | | ceived on ice the day t | and the second | pled or |
| | | | ud and may | be grounds for legal | | ĸ | | | | | receiv | ed packe | ad in ice at an | avg tem | ip above | a 0 but les | less than 6 °C on subse | equent days. | |
| Cu | d by: (Signature) | G Alexandro | | 20.23 15 | 515 Alcule Com | ipels | Date 620: | 23 | Time | 5 | Rec | eived | d on ice: | | ab Us | se Only | у | | |
| and | ped by: (Signature) | ik | | 2023 17 | 700 Maren MU | 1400 | Date 6-20. | | Time 110 | ð | <u>T1</u> | | 8.55 | <u>T2</u> | | | <u>T3</u> | | |
| MA | ned by: (Signature) | Vito | Date | -20-23 2 | 230 Received by: (Signature) | \sim | Date QZI | 23 | , IO | \mathfrak{A} | | G Tem | | 4 | | | | | |
| Sample Ma | atrix: S - Soil, Sd - Soli | id, Sg - Sludr | ge, A - Aque | ous, O - Other | | | Containe | r Type | :g-gla | ss, p - | - poly/ | plastic | c, ag - amb | ber gl- | ass, v | - VOA | 1 | | ie above |

of 216

| Clie | nt: W | PX Energy Pe | rmian LLC | 2. | | Bill To | le de la | 1 | 1 | La | ab Use | e On | ly | 5 | | | TA | Т | EPA P | rogram |
|----------------|-----------------------|--|---|----------------------|-----------------------|---|--|------------|----------------------------|-------------------------|-------------|-------------|--------------|-------|-------|-----|-------|--|--|----------|
| | | DU 12 | | | | Attention: Jim Raley | 1.115 | | WO# | | | | Number | | 1D 2 | D | 3D | Standard | CWA | SDWA |
| | | lanager: Gilbe | | | | Address: 5315 Buena Vista Dr. | | E: | 306 | 10 | 0 | OIC | 58-00 | 702 | | | | 5 day TAT | | a series |
| | | 13000 W Cou | | | | City, State, Zip: Carlsbad, NM, 882. | 20 | | | | A | Analy | sis and M | ethoo | | | | | | RCRA |
| | | e, Zip_Odessa | ,TX, 7976 | 55 | | Phone: 575-885-7502 | | | Vd C | | | | 1.5 | | | | | | | |
| A. 1. A. C. C. | 0.01.02.001.02.014.02 | 32-541-7719 von-team@e | tochony | com | | Email: jim.raley@dvn.com WBS/WO: TBP & 21169911 | | | /OR | | | | | | 5 | | | NINAL CO | State | |
| | | by: Edyte Ko | | | | Incident ID: nAB1702749185 GC | | | /DRC | 3021 | 260 | 010 | 300.0 | | MN | | ž | | | |
| Ti | 1 | | | No. of | | nAPP 2315 142829 | Lab | h(ft. | GRO | (py 8 | by 8 | als 60 | ride | | SOC | | y | | | |
| | pled | Date Sampled | Matrix | Containers | Sample ID | | Number | Depth(ft.) | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride | | BGDOC | | GDOC | a bian | Remark | 5 |
| 11 | :40 | 6/20/2023 | S | 1 | | PH06 | 11 | 0.5' | | | | | | | х | | | | | |
| 11 | :50 | 6/20/2023 | S | 1 | | PH06 | 12 | 1' | | | | | | | X | | | | | |
| | | | | | | / | - | | i. | | | | | | | | | | | |
| | | | | | | | | | 4 | | | | | | | | | | | |
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| | | | 2 | ana an | | | | | | | | | | | | | | | | |
| | | | \wedge | pi | 6 | | 6.08 | | | - | | | | | | 1 | | | | |
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| - | | | | | | | | | - | | | | | _ | | | _ | | | |
| | | | | | | | | | | - | | | | | | - | - | | | |
| | ition | al Instruction | c. | | | | | 1.10 | | | | | | | | | | - | | |
| luu | nuon | aimstruction | 3. | | | | | | | | - | | | | | | | | | |
| | | | | | | aware that tampering with or intentionally mislabelli | ng the sample l | ocatio | in, | | | | | | | | | ceived on ice the c ess than 6 °C on si | | |
| | | of collection is cor d by: (Signature | and the second | Id and may b Date | e grounds for legal a | Action. Sampled by: EK | Date | | Time | | | | | | | | e Onl | | and a sector and secto | |
| Û | 49 | in by. (Signature | / | | 20.23 151 | 5 HURIDO CAME | Date Co-201 | 23 | 1 | 515 | 5 | Rece | eived on i | ce. | A | V N | eom | iy | | |
| telin | | d by: (Signature |) (| Date | Time | Received by: (Signature) | Date | | Time | 0. | - | | | | 0 | | | | | |
| 4 | V VI 0 | | wp- | - (e) | 2022 17 | 00 ANJUN Milto | 620 | -23 | 17 | 700 | | <u>T1</u> | | | T2 | | | <u>T3</u> | | |
| telin | guishe | d by: (Signature | 10 | Date | 1 me | 2 3 Received by: (Signature) | Date 21 | 5 | Time | | \sim | | | L | + | | | | | |
| V | no | W N | ussi | · | -20-23 2 | COULINA | VICV | 65 | >10 | $\overline{\mathbf{v}}$ | | | i Temp °C | | 1 | | 1/01 | | | |
| amp | | ix: S - Soil, Sd - Sol | | | | ess other arrangements are made. Hazardous s | - A Contraction of the local division of the | | | _ | | | lastic, ag - | | | | _ | | | |

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

| Client: | WPX Energy - Carlsbad Da | ate Received: | 06/21/23 | 10:00 | Work Order ID: | E306160 |
|------------------|---|----------------------|----------|---------------------|----------------|---------------|
| Phone: | (539) 573-4018 Da | ate Logged In: | 06/21/23 | 11:52 | Logged In By: | Caitlin Mars |
| Email: | devon-team@ensolum.com Du | ie Date: | 06/27/23 | 17:00 (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 match | the COC | Yes | | | |
| 3. Were s | amples dropped off by client or carrier? | | Yes | Carrier: Courier | | |
| 4. Was th | e COC complete, i.e., signatures, dates/times, requested | analyses? | Yes | | | |
| 5. Were a | Il samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion. | e field, | Yes | | Commen | ts/Resolution |
| <u>Sample T</u> | <u>Furn Around Time (TAT)</u> | | | | | |
| 6. Did the | e COC indicate standard TAT, or Expedited TAT? | | Yes | | | |
| Sample (| Cooler | | | | | |
| 7. Was a s | 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 | | | |
| 12. Was th | e sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are rec | | Yes | | | |
| | minutes of sampling | | ~ | | | |
| 13. If no v | visible ice, record the temperature. Actual sample tem | nperature: <u>4°</u> | <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 | | | |
| | 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 containers | collected? | Yes | | | |
| Field Lal | | | | | | |
| | field sample labels filled out with the minimum informample ID? | ation: | Yes | | | |
| | Date/Time Collected? | | Yes | | | |
| | collectors name? | | Yes | | | |
| Sample F | Preservation | | | | | |
| | the COC or field labels indicate the samples were prese | rved? | No | | | |
| 22. Are sa | ample(s) correctly preserved? | | NA | | | |
| 24. Is lab | filteration required and/or requested for dissolved meta | ls? | No | | | |
| <u>Multipha</u> | ase Sample Matrix_ | | | | | |
| | the sample have more than one phase, i.e., multiphase? | | No | | | |
| | , does the COC specify which phase(s) is to be analyzed | | NA | | | |
| <u>Subcon</u> tr | ract Laboratory | | | | | |
| | amples required to get sent to a subcontract laboratory? | | No | | | |
| | subcontract laboratory specified by the client and if so | | NA | Subcontract Lab: NA | | |
| | - | | | | | |

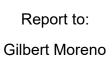
Signature of client authorizing changes to the COC or sample disposition.



envirotech Inc.

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| | | | | | | | | | | | | | | | | | | | | | Rece |
|------------------------------------|--|------------------------|----------------------|------------------|----------------------------------|--|------------------------------------|-----------------------|------------|----------------------------|-----------------------------|---------------|----------------|-----------------------|-----------|--------------|-----------|---------------------------------------|---|--|------------------------|
| Project li | nformation | | | | | | | of Custor | | | | | | | | | | | | Pag | ge 1 of 2 |
| | /PX Energy Pe | ermian LL(| с. | | In | cident ID | : nAPP | 2315 | 514 | 28 | 29 Lab | 3 I Jse Oi | nly | AP1 | 40 | 73 | 25 TAT | 518 | EPA | Program | G. Moren |
| | Manager: Gilbe 13000 W Cou | | | | Add | ention: Jim Raley Iress: 5315 Buena V 7, State, Zip: Carlsba | | 0 | Lab E3 | wo# | 60 | DIC | Numb | er)007 i Metho | | 2D : | | Standard 5 day TAT | and the second se | RCRA | der 10 |
| City, Stat Phone: 8 Email: D | te, Zip_Odessa 32-541-7719 evon-team@e d by: Edyte Ko | a,TX, 797 etechenv. | 65 | | Phc Em: WB | one: 575-885-7502 ail: jim.raley@dvn. S/WO: 고요~ ~ dent ID: nAB17027 | com 2116991 | | | TPH GRO/DRO/ORO by 8015 | 121 | | | | WN | | × | NM C | State | | |
| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | | nAPP2315 | | Lab Number | Depth(ft.) | TPH GRO/I 8015 | BTEX by 8021 VOC by 8260 | Metals 6010 | Chloride 300.0 | | BGDOC | | GDOC | | Remar | ks | - |
| 10:00 | 6/20/2023 | S | 1 | | | PH01 | | 1 | 0.5' | | | - | Ū | | X | | | | | | X |
| 10:10 | 6/20/2023 | S | 1 | | | PH01 | | 2 | 2' | | | | | | X | | | | | | |
| 10:20 | 6/20/2023 | S | 1 | | | PH02 | | 3 | 0.5' | | | | | | x | | | | | | |
| 10:30 | 6/20/2023 6/20/2023 | S | 1 | | | PH02 PH03 | | 4 | 4' | | | | | | X | | | | | | |
| 10:50 | 6/20/2023 | s s | 1 | | | PH03 | | 5 | 0.5' | | | | | | X | | | | | | of 25 |
| 11:00 | 6/20/2023 | S | 1 | | | PH04 | | 0 | 1' 0.5' | | | | | | X X | | | | | | Page 25 |
| 11:10 | 6/20/2023 | S | 1 | | | PH04 | | 8 | 1' | | | | | | X | | + | | | | Ъа |
| 11:20 | 6/20/2023 | S | 1 | | | PH05 | | 9 | 0.5' | | | | | | X | | | | | | - |
| 11:30 | 6/20/2023 | S | 1 | | | PH05 | | ÍÓ | 1' | | | | | | x | | | | | | Mar . |
| | al Instruction: | | | | | | | | | | | | | | 1 AL | | | | | | |
| date or time | of collection is con | nsidered frau | id and may b | e grounds for le | gal action. | tampering with or intenti Sampled by | EK | | | | | receiv | ed packed | in ice at an | avg tem | p above 0 | but less | ved on ice the o s than 6 °C on si | the second second second | and the second | |
| | d by: (Signature | | Date 6.2 Date | 0.23 | 1515 ne | Received by: (Signatur | unpels | Date Lo 20 Date | 23 | Time | 15 | Rec | eived o | on ice: | C | b Use / N | Only | | | | |
| Mill | all Guy | A | 11 | 10-23 I | 700 | Received by: (Signatur | MUSSo | 6-20 Date / | -23 | Time 110 | 90 | T1 | | —, | <u>T2</u> | | | <u>T3</u> | | | |
| MA | 1. 1 .1 | the | G-A-Aqueo | 20-23 2 | 2230 | alleft | K | Containe | 23 | 10 | 00 | | G Temp | | <u>1</u> | NEE 14- | VOA | | | | |
| Note: Sam | oles are discarded | d 30 days a | fter results | are reported u | unless other a ratory with th | rrangements are made nis COC. The liability of | Hazardous sar the laboratory is | mples will b | e retur | ned to | client o | r dispo | sed of a | t the clier | nt exp | ense. T | he rep | port for the | analysis of t | he above | P |
| | | | | | | | | | | | | E | 3 | (| 2 | n | v | ire | ot | ec | hage 56 |
| | | | | | | | | | | | | | | | | | - | | | | of 210 |
| | | | | | | | | | | | | | | | | | | | | | CONSTRUCTION OF STREET |





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: RDU 12

| Work Order: | E307176 |
|-------------|---------|

Job Number: 01058-0007

Received: 7/31/2023

Revision: 3

Report Reviewed By:

Walter Hinchman Laboratory Director 8/22/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 8/22/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDU 12 Workorder: E307176 Date Received: 7/31/2023 7:15:00AM

Gilbert Moreno,



Page 58 of 216

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/31/2023 7:15:00AM, under the Project Name: RDU 12.

The analytical test results summarized in this report with the Project Name: RDU 12 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

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

| | | Sample Sum | mary | | |
|-----------------------|---------------|------------------|----------------|----------|------------------|
| WPX Energy - Carlsbad | | Project Name: | RDU 12 | | Reported: |
| 5315 Buena Vista Dr | | Project Number: | 01058-0007 | | Reporteu. |
| Carlsbad NM, 88220 | | Project Manager: | Gilbert Moreno | | 08/22/23 13:56 |
| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
| FS01 0.5-2' | E307176-01A | Soil | 07/28/23 | 07/31/23 | Glass Jar, 2 oz. |
| FS02 0.5-2' | E307176-02A | Soil | 07/28/23 | 07/31/23 | Glass Jar, 2 oz. |
| FS03 0.5-2' | E307176-03A | Soil | 07/28/23 | 07/31/23 | Glass Jar, 2 oz. |
| FS04 0.5-2' | E307176-04A | Soil | 07/28/23 | 07/31/23 | Glass Jar, 2 oz. |
| FS05 0.5-2' | E307176-05A | Soil | 07/28/23 | 07/31/23 | Glass Jar, 2 oz. |
| FS06 0.5-2' | E307176-06A | Soil | 07/28/23 | 07/31/23 | Glass Jar, 2 oz. |
| | | | | | |



| | Sa | imple D | ata | | | |
|--|--|-------------|-------------------------------|----------|----------|---|
| WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220 | Project Name: Project Numbe Project Manage | | J 12 58-0007 ert Moreno | | | Reported: 8/22/2023 1:56:44PM |
| Carisbau Nivi, 88220 | , , | | ert Moreno | | | 8/22/2023 1.30.44FM |
| | 1 | FS01 0.5-2' | | | | |
| |] | E307176-01 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analy | st: IY | | Batch: 2331002 |
| Benzene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| Toluene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| -Xylene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| ,m-Xylene | ND | 0.0500 | 1 | 07/31/23 | 08/01/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| urrogate: 4-Bromochlorobenzene-PID | | 96.4 % | 70-130 | 07/31/23 | 08/01/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analy | st: IY | | Batch: 2331002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 07/31/23 | 08/01/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 89.8 % | 70-130 | 07/31/23 | 08/01/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analy | st: KM | | Batch: 2331016 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 07/31/23 | 08/02/23 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 07/31/23 | 08/02/23 | |
| urrogate: n-Nonane | | 94.8 % | 50-200 | 07/31/23 | 08/02/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analy | st: BA | | Batch: 2331010 |
| Chloride | ND | 200 | 10 | 07/31/23 | 08/02/23 | |

Sample Data



| | 25 | ample D | ลเล | | | |
|--|---------------|-------------|------------|----------|----------|---------------------|
| WPX Energy - Carlsbad | Project Name: | RDU | J 12 | | | |
| 5315 Buena Vista Dr | Project Numbe | er: 010 | 58-0007 | | | Reported: |
| Carlsbad NM, 88220 | Project Manag | ger: Gilb | ert Moreno | | | 8/22/2023 1:56:44PM |
| |] | FS02 0.5-2' | | | | |
| | | E307176-02 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | t: IY | | Batch: 2331002 |
| Benzene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| Toluene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| p-Xylene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| o,m-Xylene | ND | 0.0500 | 1 | 07/31/23 | 08/01/23 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 95.6 % | 70-130 | 07/31/23 | 08/01/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analys | t: IY | | Batch: 2331002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 07/31/23 | 08/01/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 89.6 % | 70-130 | 07/31/23 | 08/01/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | :: KM | | Batch: 2331016 |
| Diesel Range Organics (C10-C28) | 105 | 25.0 | 1 | 07/31/23 | 08/02/23 | |
| Dil Range Organics (C28-C36) | 69.2 | 50.0 | 1 | 07/31/23 | 08/02/23 | |
| Surrogate: n-Nonane | | 95.8 % | 50-200 | 07/31/23 | 08/02/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | :: BA | | Batch: 2331010 |
| Chloride | 212 | 200 | 10 | 07/31/23 | 08/02/23 | |
| | | | | | | |



| WPX Energy - CarlsbadProject Name:RDU 125315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Gilbert Moreno | | Reported: 8/22/2023 1:56:44PM | | |
|--|----------|---|--|--|
| | | • | | |
| Carlsbad NM, 88220 Project Manager: Gilbert Moreno | | 8/22/2023 1:56:44PM | | |
| | | 8/22/2023 1:56:44PM | | |
| FS03 0.5-2' | | | | |
| E307176-03 | | | | |
| Reporting | | | | |
| Analyte Result Limit Dilution Prepared | Analyzed | Notes | | |
| Volatile Organics by EPA 8021B mg/kg mg/kg Analyst: IY | | Batch: 2331002 | | |
| Benzene ND 0.0250 1 07/31/23 | 08/01/23 | | | |
| Ethylbenzene ND 0.0250 1 07/31/23 | 08/01/23 | | | |
| Toluene ND 0.0250 1 07/31/23 | 08/01/23 | | | |
| ND 0.0250 1 07/31/23 | 08/01/23 | | | |
| p,m-Xylene ND 0.0500 1 07/31/23 | 08/01/23 | | | |
| ND 0.0250 1 07/31/23 | 08/01/23 | | | |
| Surrogate: 4-Bromochlorobenzene-PID 96.5 % 70-130 07/31/23 | 08/01/23 | | | |
| Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: IY | | Batch: 2331002 | | |
| Gasoline Range Organics (C6-C10) ND 20.0 1 07/31/23 | 08/01/23 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID 91.8 % 70-130 07/31/23 | 08/01/23 | | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO mg/kg mg/kg Analyst: KM | | Batch: 2331016 | | |
| Diesel Range Organics (C10-C28) ND 25.0 1 07/31/23 | 08/02/23 | | | |
| Dil Range Organics (C28-C36) ND 50.0 1 07/31/23 | 08/02/23 | | | |
| Surrogate: n-Nonane 98.3 % 50-200 07/31/23 | 08/02/23 | | | |
| Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: BA | | Batch: 2331010 | | |
| Chloride ND 200 10 07/31/23 | 08/02/23 | | | |



Sample Data

| | 3 | ample D | ata | | | |
|--|--------------|-------------|-------------|---------------------|----------|----------------|
| WPX Energy - Carlsbad | Project Name | : RDI | U 12 | | | |
| 5315 Buena Vista Dr | Project Numb | ber: 010 | 58-0007 | | | Reported: |
| Carlsbad NM, 88220 | Project Mana | ger: Gilb | oert Moreno | 8/22/2023 1:56:44PM | | |
| | | FS04 0.5-2' | | | | |
| | | E307176-04 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | t: IY | | Batch: 2331002 |
| Benzene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| oluene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| o-Xylene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| o,m-Xylene | ND | 0.0500 | 1 | 07/31/23 | 08/01/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 96.4 % | 70-130 | 07/31/23 | 08/01/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analys | t: IY | | Batch: 2331002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 07/31/23 | 08/01/23 | |
| urrogate: 1-Chloro-4-fluorobenzene-FID | | 91.4 % | 70-130 | 07/31/23 | 08/01/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | t: KM | | Batch: 2331016 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 07/31/23 | 08/02/23 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 07/31/23 | 08/02/23 | |
| urrogate: n-Nonane | | 94.8 % | 50-200 | 07/31/23 | 08/02/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | t: BA | | Batch: 2331010 |
| Chloride | ND | 200 | 10 | 07/31/23 | 08/02/23 | |
| | | | | | | |

| | 3 | ample D | ลเล | | | |
|--|---------------|-------------|------------|----------|----------|---------------------|
| WPX Energy - Carlsbad | Project Name: | RDU | J 12 | | | |
| 5315 Buena Vista Dr | Project Numb | er: 0103 | 58-0007 | | | Reported: |
| Carlsbad NM, 88220 | Project Manag | ger: Gilb | ert Moreno | | | 8/22/2023 1:56:44PM |
| | • | FS05 0.5-2' | | | | |
| | | E307176-05 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | t: IY | | Batch: 2331002 |
| Benzene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| foluene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| p-Xylene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| o,m-Xylene | ND | 0.0500 | 1 | 07/31/23 | 08/01/23 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 96.5 % | 70-130 | 07/31/23 | 08/01/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analys | t: IY | | Batch: 2331002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 07/31/23 | 08/01/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 90.7 % | 70-130 | 07/31/23 | 08/01/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | t: KM | | Batch: 2331016 |
| Diesel Range Organics (C10-C28) | 212 | 25.0 | 1 | 07/31/23 | 08/02/23 | |
| Dil Range Organics (C28-C36) | 146 | 50.0 | 1 | 07/31/23 | 08/02/23 | |
| Surrogate: n-Nonane | | 98.6 % | 50-200 | 07/31/23 | 08/02/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | t: BA | | Batch: 2331010 |
| Chloride | 381 | 200 | 10 | 07/31/23 | 08/02/23 | |

| | 3 | ample D | ata | | | |
|--|--------------|-------------|------------|---------------------|----------|----------------|
| WPX Energy - Carlsbad | Project Name | : RDU | J 12 | | | |
| 5315 Buena Vista Dr | Project Numb | ber: 010 | 58-0007 | | | Reported: |
| Carlsbad NM, 88220 | Project Mana | ger: Gilb | ert Moreno | 8/22/2023 1:56:44PM | | |
| | | FS06 0.5-2' | | | | |
| | | E307176-06 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | t: IY | | Batch: 2331002 |
| Benzene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| Toluene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| p-Xylene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| o,m-Xylene | ND | 0.0500 | 1 | 07/31/23 | 08/01/23 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 96.2 % | 70-130 | 07/31/23 | 08/01/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analys | :: IY | | Batch: 2331002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 07/31/23 | 08/01/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 91.7 % | 70-130 | 07/31/23 | 08/01/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | :: KM | | Batch: 2331016 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 07/31/23 | 08/02/23 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 07/31/23 | 08/02/23 | |
| Surrogate: n-Nonane | | 96.7 % | 50-200 | 07/31/23 | 08/02/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | t: BA | | Batch: 2331010 |
| Chloride | ND | 200 | 10 | 07/31/23 | 08/03/23 | |
| | | | | | | |

QC Summary Data

| | | QC D | •• | - J | - | | | | |
|--|--------------|----------------------------------|------------------|--------------------|--------------|---------------|-------------|--------------|---------------------|
| WPX Energy - Carlsbad 5315 Buena Vista Dr | | Project Name: Project Number: | 01 | DU 12 1058-0007 | | | | | Reported: |
| Carlsbad NM, 88220 | | Project Manager: | G | ilbert Moreno | | | | | 8/22/2023 1:56:44PM |
| | | Volatile O | rganics l | | | | 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 (2331002-BLK1) | | | | | | | Prepared: 0 | 7/31/23 A | nalyzed: 07/31/23 |
| Benzene | ND | 0.0250 | | | | | 1 | | j |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Aylene Total Xylenes | ND | 0.0300 | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.73 | 0.0230 | 8.00 | | 96.6 | 70-130 | | | |
| LCS (2331002-BS1) | | | | | | | Prepared: 0 | 7/31/23 A | nalyzed: 07/31/23 |
| Benzene | 5.19 | 0.0250 | 5.00 | | 104 | 70-130 | | | |
| Ethylbenzene | 5.16 | 0.0250 | 5.00 | | 103 | 70-130 | | | |
| Toluene | 5.23 | 0.0250 | 5.00 | | 105 | 70-130 | | | |
| p-Xylene | 5.17 | 0.0250 | 5.00 | | 103 | 70-130 | | | |
| p,m-Xylene | 10.5 | 0.0500 | 10.0 | | 105 | 70-130 | | | |
| Total Xylenes | 15.7 | 0.0250 | 15.0 | | 105 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.87 | | 8.00 | | 98.4 | 70-130 | | | |
| Matrix Spike (2331002-MS1) | | | | Source: | E307174- | 02 | Prepared: 0 | 7/31/23 A | analyzed: 07/31/23 |
| Benzene | 5.03 | 0.0250 | 5.00 | ND | 101 | 54-133 | | | - |
| Ethylbenzene | 4.99 | 0.0250 | 5.00 | ND | 99.7 | 61-133 | | | |
| Toluene | 5.06 | 0.0250 | 5.00 | ND | 101 | 61-130 | | | |
| p-Xylene | 4.99 | 0.0250 | 5.00 | ND | 99.8 | 63-131 | | | |
| p,m-Xylene | 10.2 | 0.0500 | 10.0 | ND | 102 | 63-131 | | | |
| Total Xylenes | 15.1 | 0.0250 | 15.0 | ND | 101 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.79 | | 8.00 | | 97.4 | 70-130 | | | |
| Matrix Spike Dup (2331002-MSD1) | | | | Source: 1 | E307174- | 02 | Prepared: 0 | 7/31/23 A | nalyzed: 07/31/23 |
| Benzene | 4.94 | 0.0250 | 5.00 | ND | 98.7 | 54-133 | 1.82 | 20 | |
| | 4.91 | 0.0250 | 5.00 | ND | 98.2 | 61-133 | 1.54 | 20 | |
| Ethylbenzene | | | | | 00 F | 61-130 | | 20 | |
| • | 4.98 | 0.0250 | 5.00 | ND | 99.5 | 01-130 | 1.55 | 20 | |
| Ethylbenzene Toluene o-Xylene | | 0.0250 0.0250 | 5.00 5.00 | ND ND | 99.5 98.5 | 63-131 | 1.55 | 20 20 | |
| Toluene o-Xylene | 4.98 | | | | | | | | |
| Toluene | 4.98 4.93 | 0.0250 | 5.00 | ND | 98.5 | 63-131 | 1.32 | 20 | |



QC Summary Data

| | | QC D | uIIIII | aly Data | L | | | | |
|--|-----------------|--|-------------------------|--------------------------------------|-------------------|--------------------|-------------|-------------------|---|
| WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220 | | Project Name: Project Number: Project Manager: | 0 | DU 12 1058-0007 Gilbert Moreno | | | | | Reported: 8/22/2023 1:56:44PM |
| | No | nhalogenated O | Organics | by EPA 801 | 5D - Gl | 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 (2331002-BLK1) | | | | | | | Prepared: 0 | 7/31/23 A | nalyzed: 07/31/23 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.48 | | 8.00 | | 93.5 | 70-130 | | | |
| LCS (2331002-BS2) | | | | | | | Prepared: 0 | 7/31/23 A | nalyzed: 08/01/23 |
| Gasoline Range Organics (C6-C10) | 52.8 | 20.0 | 50.0 | | 106 | 70-130 | | | - |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.17 | | 8.00 | | 89.6 | 70-130 | | | |
| Matrix Spike (2331002-MS2) | | | | Source: I | E 307174 - | 02 | Prepared: 0 | 7/31/23 A | nalyzed: 07/31/23 |
| Gasoline Range Organics (C6-C10) | 54.7 | 20.0 | 50.0 | ND | 109 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.44 | | 8.00 | | 93.0 | 70-130 | | | |
| Matrix Spike Dup (2331002-MSD2) | | | | Source: I | E 30717 4- | 02 | Prepared: 0 | 7/31/23 A | nalyzed: 07/31/23 |
| Gasoline Range Organics (C6-C10) | 55.1 | 20.0 | 50.0 | ND | 110 | 70-130 | 0.677 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.58 | | 8.00 | | 94.7 | 70-130 | | | |



QC Summary Data

| | | QC SI | | ary Data | | | | | |
|--|-----------------|--|-------------------------|---------------------------------------|----------|--------------------|-------------|-------------------|---|
| WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220 | | Project Name: Project Number: Project Manager: | 0 | RDU 12 1058-0007 Gilbert Moreno | | | | | Reported: 8/22/2023 1:56:44PM |
| | Nonh | alogenated Orga | anics by | EPA 8015D | - 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 (2331016-BLK1) | | | | | | | Prepared: 0 | 7/31/23 A | analyzed: 08/02/23 |
| Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36) | ND ND | 25.0 50.0 | | | | | | | |
| Surrogate: n-Nonane | 50.8 | | 50.0 | | 102 | 50-200 | | | |
| LCS (2331016-BS1) | | | | | | | Prepared: 0 | 7/31/23 A | analyzed: 08/02/23 |
| Diesel Range Organics (C10-C28) | 280 | 25.0 | 250 | | 112 | 38-132 | | | |
| Surrogate: n-Nonane | 51.7 | | 50.0 | | 103 | 50-200 | | | |
| Matrix Spike (2331016-MS1) | | | | Source: F | 2307182- | 03 | Prepared: 0 | 7/31/23 A | analyzed: 08/02/23 |
| Diesel Range Organics (C10-C28) | 290 | 25.0 | 250 | ND | 116 | 38-132 | | | |
| Surrogate: n-Nonane | 47.1 | | 50.0 | | 94.3 | 50-200 | | | |
| Matrix Spike Dup (2331016-MSD1) | | | | Source: F | 2307182- | 03 | Prepared: 0 | 7/31/23 A | analyzed: 08/02/23 |
| Diesel Range Organics (C10-C28) | 278 | 25.0 | 250 | ND | 111 | 38-132 | 4.15 | 20 | |
| Surrogate: n-Nonane | 44.3 | | 50.0 | | 88.7 | 50-200 | | | |



QC Summary Data

| | | L L | | J | | | | | |
|---------------------------------|--------|----------------------------|----------------|------------------|----------|---------------|-------------|--------------|---------------------|
| WPX Energy - Carlsbad | | Project Name: | RI | DU 12 | | | | | Reported: |
| 5315 Buena Vista Dr | | Project Number: 01058-0007 | | | | | | | • |
| Carlsbad NM, 88220 | | Project Manager | : Gi | ilbert Moreno | | | | | 8/22/2023 1:56:44PM |
| | | Anions | by EPA 3 | 600.0/9056A | 4 | | | | 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 (2331010-BLK1) | | | | | | | Prepared: 0 | 7/31/23 A | nalyzed: 07/31/23 |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2331010-BS1) | | | | | | | Prepared: 0 | 7/31/23 A | nalyzed: 07/31/23 |
| Chloride | 261 | 20.0 | 250 | | 104 | 90-110 | | | |
| Matrix Spike (2331010-MS1) | | | | Source: | E307166- | 01 | Prepared: 0 | 7/31/23 A | nalyzed: 07/31/23 |
| Chloride | 333 | 200 | 250 | ND | 133 | 80-120 | | | M5 |
| Matrix Spike Dup (2331010-MSD1) | | | | Source: | E307166- | 01 | Prepared: 0 | 7/31/23 A | nalyzed: 07/31/23 |
| Chloride | 292 | 200 | 250 | ND | 117 | 80-120 | 12.9 | 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.



| Carlsbad | Project Name: | RDU 12 | |
|----------|---------------------------------|--------------------------|-------------------------------------|
| sta Dr | Project Number: | 01058-0007 | Reported: |
| 88220 | Project Manager: | Gilbert Moreno | 08/22/23 13:56 |
| 7 | - Carlsbad Yista Dr 88220 | Tista Dr Project Number: | Tista Dr Project Number: 01058-0007 |

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

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

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



Referoject Information

| Clier | t: WPX Energy P | ermian LL | С. | | | Bill To | | | | | La | ab Us | e On | ly | | | | EPA P | rogram | | |
|------------|---|--|----------------------|----------------------|---|--|-----------------|--------------|------------|----------------------------|--------------|-------------|-------------|----------------|----------|---------|--------|--------|--|---------------|---------|
| | ect: RDU 12 | | | | Att | ention: Jim Raley | | | Lab | WO# | ŧ | | Job | Numb | er | 1D | 2D | 3D | Standard | CWA | SDWA |
| Proj | ect Manager: Gill | ert Morei | no | | | dress: 5315 Buena Vist | a Dr. | ue. | E3 | 30 | 117 | 16 | 010 | 58-0 | 007 | | | | 5 day TAT | | |
| | ess: 13000 W Co | | | | The second se | y, State, Zip: Carlsbad, | NM, 88220 |) | | | | ł | Analy | sis and | Metho | bd | | | | | RCRA |
| | State, Zip_Odess | | 65 | | | one: 575-885-7502 | | | - | yd C | | | | | | | | | | | |
| _ | ne: (832) 541-771 | and the second sec | | | | ail: jim.raley@dvn.com | 1 | - | - | /OR(| | | | | | | | | | State | |
| | I: Devon-team@ | | com | | | 0: 21169911 | | | - | DRO | 021 | 60 | 10 | 00.00 | | WN | | 적 | NM CC | UT AZ | TX |
| | ected by: Edyte K | | | I | Inc | ident ID: nAPP2315142 | 2829 | Lab | (ft.) | RO/ | by 8 | oy 82 | s 60 | de 3 | | N | | | | | |
| Tir Sam | Date Sampled | Matrix | No. of Containers | Sample ID | | | _ | Number | Depth(ft.) | TPH GRO/DRO/ORO by 8015 | BTEX by 802: | VOC by 8260 | Metals 6010 | Chloride 300.0 | | BGDOC | | GDOC | | Remarks | |
| 13 | 00 7/28/2023 | S | 1 | | | FS01 | | 1 | 0.5-2 | | | | | | | X | | | | | |
| 13 | 10 7/28/2023 | S | 1 | | | FS02 | | 2 | 0.5-2 | | | | | | | X | | | | | |
| 13 | 20 7/28/2023 | S | 1 | | | FS03 | | 3 | 0.5-2 | | | | | | | X | | | | | |
| 13 | 30 7/28/2023 | S | 1 | | FS04 | | | 4 | 0.5-2 | | | | | | | x | | | | | |
| 13 | 40 7/28/2023 | S | 1 | | FS05 | | | 5 | 0.5-2 | | | | | | | x | | | | | |
| 13 | 50 7/28/2023 | S | 1 | | FS06 | | 6 | 0.5-2 | | | | | | | x | | | | | | |
| | | | | | | | | | | | | | | | - | - | | | | | |
| | | | | | | hype | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| _ | | | | | | | d. | | | | | | | | | | | | | | |
| ٩dd | tional Instructio | ns: | | | | | | | | | | | | | | | | | | | |
| | d sampler), attest to the r time of collection is co | | | | | t tampering with or intentional Sampled by: | ly mislabelling | the sample l | ocatior | ١, | | | | | | | | | ceived on ice the d ess than 6 °C on su | | pled or |
| Relin | uished by: (Signatur | e) | Date 07/2 | 8/2023 Time 10:00 | 1 | Received by: (Signatorie) | incle | Date 7.28 | -23 | Time | 000 | 2 | Rece | eived o | on ice: | | b Us | e Onl | У | | |
| Relin | uished by: (Signatur | e) malle | - 7- | 28:23 17 | 00 | Received by: (Signature) | | Date 7.28 | 8.23 | Time | 73 | | T1 | | | T2 | | | Т3 | | |
| | uished by: (Signatur | | Date | | too | Refeived by: (Signature) | an | Date 73 | 23 | Time 7. | 15 | - | AVG | Temp | °C | 4 | | | | | |
| Samp | e Matrix: S - Soil, Sd - S | olid, Sg - Slud | ge, A - Aqueo | | | | N | Containe | r Typ | e:g- | glass, | p - p | oly/p | lastic, | ag - am | ber gla | ass, v | - VOA | | | |
| Note | | | | | | arrangements are made. H this COC. The liability of the | | | | | | | | | the clie | nt expe | nse. | The re | port for the an | alysis of the | above |

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

| Client: | WPX Energy - Carlsbad D | ate Received: | 07/31/23 | 07:15 | Work Order ID: | E307176 |
|--|---|--------------------------------|-------------------------------------|---------------------|----------------|---------------|
| hone: | (539) 573-4018 D | ate Logged In: | 07/28/23 | 15:48 | Logged In By: | Caitlin Mars |
| Email: | devon-team@ensolum.com D | ue Date: | 08/04/23 | 17:00 (4 day TAT) | | |
| Chain o | of Custody (COC) | | | | | |
| | the sample ID match the COC? | | Yes | | | |
| 2. Does | the number of samples per sampling site location match | the COC | Yes | | | |
| 3. Were | samples dropped off by client or carrier? | | Yes | Carrier: Courier | | |
| 4. Was t | he COC complete, i.e., signatures, dates/times, requested | l analyses? | Yes | | | |
| 5. Were | all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion. | e field, | Yes | | Commen | ts/Resolution |
| Sample | <u>Turn Around Time (TAT)</u> | | | | | |
| 6. Did tl | he COC indicate standard TAT, or Expedited TAT? | | Yes | | | |
| Sample | Cooler | | | | | |
| 7. Was a | a sample cooler received? | | Yes | | | |
| 8. If yes | , was cooler received in good condition? | | Yes | | | |
| 9. Was t | he sample(s) received intact, i.e., not broken? | | Yes | | | |
| 10. Wer | e custody/security seals present? | | No | | | |
| 11. If ye | es, were custody/security seals intact? | | NA | | | |
| 12. Was 1 | the sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re minutes of sampling | | Yes | | | |
| 13. If no | o visible ice, record the temperature. Actual sample ter | nperature: 4° | 7 | | | |
| | Container | <u></u> | <u> </u> | | | |
| | aqueous VOC samples present? | | No | | | |
| | VOC samples collected in VOA Vials? | | NA | | | |
| | he 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 | | | |
| 18. Are | e appropriate volume/weight or number of sample containers | s collected? | Yes | | | |
| | e appropriate volume/weight of number of sample containers | | | | | |
| 19. Is the | | | 100 | | | |
| 19. Is the Field L: | | | 100 | | | |
| 19. Is the Field La 20. Were | abel | | Yes | | | |
| 19. Is the <u>Field La</u> 20. Were | abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? | | | | | |
| 19. Is the Field La 20. Were | abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? | | Yes | | | |
| 19. Is the <u>Field La</u> 20. Were <u>Sample</u> | abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> | ation: | Yes Yes Yes | | | |
| 19. Is the Field La 20. Were Sample 21. Doc | abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese | ation: | Yes Yes Yes No | | | |
| 19. Is the Field La 20. Were Sample 21. Does 22. Are | abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? | ation: erved? | Yes Yes Yes No NA | | | |
| Is the Field La Were Sample Doe: Are Is la | abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta | ation: erved? | Yes Yes Yes No | | | |
| Is the Field La Were Were Sample Doe: Doe: Are Is la Multiph | abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta hase Sample Matrix | ation: erved? als? | Yes Yes Yes No NA No | | | |
| Is the Field L: Wern Wern Wern Wern Doe: Doe: Are Is la Multiph Doe: Doe: | abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta hase Sample Matrix s the sample have more than one phase, i.e., multiphase? | ation: erved? als? | Yes Yes Yes No No | | | |
| Is the Field L: Were Sample O. Were Doc: Doc: Are Is la Multiph Doc: Toc: | abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta hase Sample Matrix s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze | ation: erved? als? | Yes Yes Yes No NA No | | | |
| 19. Is the Field L: 20. Were 21. Doc: 22. Are 24. Is la Multiph 26. Doc: 27. If ye Subcom | abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta hase Sample Matrix s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze tract Laboratory. | ation: erved? als? d? | Yes Yes Yes No No No | | | |
| 19. Is the <u>Field L:</u> 20. Were 20. Were 21. Doc: 22. Are 24. Is la <u>Multiph</u> 26. Doc: 27. If yee <u>Subcom</u> 28. Are | abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta hase Sample Matrix s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze | ation: erved? als? d? | Yes Yes Yes No No | Subcontract Lab: NA | | |

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



envirotech Inc.

-

Project Information

Project: RDU 12

Time

Sampled

13:00

13:10

13:20

13:30

13:40

13:50

Phone: (832) 541-7719

Collected by: Edyte Konan

Date Sampled

7/28/2023

7/28/2023

7/28/2023

7/28/2023

7/28/2023

7/28/2023

Client: WPX Energy Permian LLC.

Project Manager: Gilbert Moreno Address: 13000 W County Rd 100 City, State, Zip_Odessa, TX, 79765

Email: Devon-team@etechenv.com

No. of

Containers

1

1

1

1

1

1

Matrix

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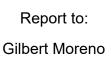
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| Chain of InCidentiD: n APP231 Bill To Attention: Jim Raley Address: 5315 Buena Vista Dr. City, State, Zip: Carlsbad, NM, 88220 | Custody 5년2 | Lab E | 29 WO# | | 1 | UIU. | 10 | HO ber 2000 | 1 | Second Second | 55 2D | 51 TA 3D | Stand 5 day | dard TAT | Per (EPA Pr CWA | Page <u> <u> </u> </u> | 1 of 1 8/2 | Received by OCD: 9/5/ | |
|---|----------------|-----------------------------|----------------------------|--------------|-------------|-------------|----------------|-------------------|---|---------------|----------|----------------|----------------|-------------|---------------------------|---|---------------|-----------------------|--|
| Phone: 575-885-7502 Email: jim.raley@dvn.com WO: 21169911 Incident ID: nAPP2315142829 Sample ID | Lab Number | Depth(ft.) | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.D | ~3 | | BGDOC NM | | GDOC TX | NI | и со | State UT AZ Remarks | TX | | 9/5/2023 9:23:35 AM | |
| FS01 FS02 | 1 | 0.5-2 0.5 ⁻ 2 | - | | | | | | | x x | | | | | | | | M | |
| FS03 FS04 | 2 | 0.5-2 | | | | | | | | X | | | | | | | | | |
| FS05 FS06 | | 0.5-2° 0.5-2 | | | | | | | | x x | | | | | | | | Page 18 of 18 | |
| tipe | | | | | | | | | | | | | | | | | ſ | гаде | |

| | | | | | | 40 | | | | | | | | |
|--|--------------------|-------------------|-----------------------|------------------------|---------------------|------------------|-------------|--------------|---------------|------------|---------------|-------------------|-----|----|
| Additional Instructions: | | | | | | | | | | | 26-20 | ,1 | Per | |
| Add tick wark in report to represent each sample depth as follows: (FSOI through FSOLO @ 0.5-2') (indiver | | | | | | | | | | | | | enc | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, | | | | | | | | | | | | 1 | | |
| date or time of collection is considered fraud and may be grounds for legal action. Sampled by: received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. | | | | | | | | | | | | 4 | | |
| Relinquished by: (Signature) | | Time | Received by: (Sign | iatore) | Date | Time | G MARS | | Lab U | se Only | | | | |
| -tipp- | 07/28/2023 | 10:00 | Muchle | Huralle | 7.28-23 | 1000 | Receiv | red on ice | : (Y)/N | 1 | | | | |
| Relinquished by: (Signature) | Date | Time | Received by: (Sign | ature) | Date | Time | | | 0. | | | | | |
| Malle Linalla | 7-2823 | 1700 | Adren | Myso | 7.28.23 | 1730 | T1 | | T2 | | Т3 | | | |
| Relinquished by: (Signature) | Date | Time | Refeived by: (Sign | aturahn | Date | Time , - | | | | Sec. Sec. | | The second second | | |
| Allew Misso | 7.29.23 | 2400 | aitta | Man | 7/3/23 | 1.15 | AVG T | emp °C_ | 4 | | | | | |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - | Aqueous, O - Other | | | | Container Typ | e:g-glass,p- | poly/pla | stic, ag - a | mber glass, v | - VOA | | | | |
| Note: Samples are discarded 30 days after r | esults are reporte | d unless other a | rrangements are m | ade. Hazardous san | nples will be retur | ned to client or | r disposed | of at the cl | ient expense. | The report | for the analy | sis of the above | | |
| samples is applicable only to those samples | received by the la | aboratory with th | his COC. The liabilit | y of the laboratory is | limited to the an | nount paid for d | on the repo | ort. | | | | | | - |
| | | | | | | | 1 | | | • | | | | ag |
| | | | | | | | 13 | 6 | an | VI | rn | tec | ·h | e |
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Released to Imaging: 9/6/2023 4:19:11 PM





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: RDU 12

Work Order: E307177

Job Number: 01058-0007

Received: 7/31/2023

Revision: 3

Report Reviewed By:

Walter Hinchman Laboratory Director 8/21/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 8/21/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDU 12 Workorder: E307177 Date Received: 7/31/2023 7:15:00AM

Gilbert Moreno,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/31/2023 7:15:00AM, under the Project Name: RDU 12.

The analytical test results summarized in this report with the Project Name: RDU 12 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

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

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

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

Envirotech Web Address: www.envirotech-inc.com

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| | | Sample Sum | mary | | |
|-----------------------|---------------|------------------|----------------|----------|------------------|
| WPX Energy - Carlsbad | | Project Name: | RDU 12 | | Reported: |
| 5315 Buena Vista Dr | | Project Number: | 01058-0007 | | Reported: |
| Carlsbad NM, 88220 | | Project Manager: | Gilbert Moreno | | 08/21/23 15:16 |
| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
| SW01 0-2' | E307177-01A | Soil | 07/28/23 | 07/31/23 | Glass Jar, 2 oz. |
| SW02 0-2' | E307177-02A | Soil | 07/28/23 | 07/31/23 | Glass Jar, 2 oz. |

C



| | Di | ampie D | ala | | | |
|--|---------------|------------|------------|----------|----------|---------------------|
| WPX Energy - Carlsbad | Project Name: | RDU | J 12 | | | |
| 5315 Buena Vista Dr | Project Numbe | er: 010 | 58-0007 | | | Reported: |
| Carlsbad NM, 88220 | Project Manag | ger: Gilb | ert Moreno | | | 8/21/2023 3:16:45PM |
| | | SW01 0-2' | | | | |
| | | E307177-01 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | st: IY | | Batch: 2331002 |
| Benzene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| Toluene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| o-Xylene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 07/31/23 | 08/01/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 96.3 % | 70-130 | 07/31/23 | 08/01/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analys | st: IY | | Batch: 2331002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 07/31/23 | 08/01/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 91.8 % | 70-130 | 07/31/23 | 08/01/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | st: KM | | Batch: 2331014 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/01/23 | 08/02/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 08/01/23 | 08/02/23 | |
| Surrogate: n-Nonane | | 104 % | 50-200 | 08/01/23 | 08/02/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | st: BA | | Batch: 2331011 |
| Chloride | ND | 200 | 10 | 07/31/23 | 07/31/23 | |
| | | | | | | |

Sample Data



| | 3 | ample D | ata | | | |
|--|--------------|------------|------------|----------|----------|---------------------|
| WPX Energy - Carlsbad | Project Name | : RDU | J 12 | | | |
| 5315 Buena Vista Dr | Project Numb | oer: 0103 | 58-0007 | | | Reported: |
| Carlsbad NM, 88220 | Project Mana | ger: Gilb | ert Moreno | | | 8/21/2023 3:16:45PM |
| | | SW02 0-2' | | | | |
| | | E307177-02 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | t: IY | | Batch: 2331002 |
| Benzene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| Toluene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| p-Xylene | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 07/31/23 | 08/01/23 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 07/31/23 | 08/01/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 96.3 % | 70-130 | 07/31/23 | 08/01/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analys | t: IY | | Batch: 2331002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 07/31/23 | 08/01/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 86.3 % | 70-130 | 07/31/23 | 08/01/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | t: KM | | Batch: 2331014 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/01/23 | 08/02/23 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 08/01/23 | 08/02/23 | |
| Surrogate: n-Nonane | | 105 % | 50-200 | 08/01/23 | 08/02/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | t: BA | | Batch: 2331011 |
| Chloride | ND | 200 | 10 | 07/31/23 | 07/31/23 | |
| | | | | | | |



QC Summary Data

| WPX Energy - Carlsbad 5315 Buena Vista Dr | | Project Name: Project Number: | 0 | DU 12 1058-0007 | | | | | Reported: |
|--|--------|----------------------------------|----------------|--------------------|--------------------|---------------|-------------|--------------|---------------------|
| Carlsbad NM, 88220 | | Project Manager: | G | ilbert Moreno | | | | | 8/21/2023 3:16:45PM |
| | | Volatile O | rganics | by EPA 802 | 1B | | | | 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 (2331002-BLK1) | | | | | | | Prepared: 0 | 7/31/23 A | nalyzed: 07/31/23 |
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Foluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| o,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.73 | | 8.00 | | 96.6 | 70-130 | | | |
| LCS (2331002-BS1) | | | | | | | Prepared: 0 | 7/31/23 A | nalyzed: 07/31/23 |
| Benzene | 5.19 | 0.0250 | 5.00 | | 104 | 70-130 | | | |
| Ethylbenzene | 5.16 | 0.0250 | 5.00 | | 103 | 70-130 | | | |
| Toluene | 5.23 | 0.0250 | 5.00 | | 105 | 70-130 | | | |
| p-Xylene | 5.17 | 0.0250 | 5.00 | | 103 | 70-130 | | | |
| o,m-Xylene | 10.5 | 0.0500 | 10.0 | | 105 | 70-130 | | | |
| Total Xylenes | 15.7 | 0.0250 | 15.0 | | 105 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.87 | | 8.00 | | 98.4 | 70-130 | | | |
| Matrix Spike (2331002-MS1) | | | | Source: 1 | E 307174 -(| 02 | Prepared: 0 | 7/31/23 A | nalyzed: 07/31/23 |
| Benzene | 5.03 | 0.0250 | 5.00 | ND | 101 | 54-133 | | | |
| Ethylbenzene | 4.99 | 0.0250 | 5.00 | ND | 99.7 | 61-133 | | | |
| Toluene | 5.06 | 0.0250 | 5.00 | ND | 101 | 61-130 | | | |
| o-Xylene | 4.99 | 0.0250 | 5.00 | ND | 99.8 | 63-131 | | | |
| ,m-Xylene | 10.2 | 0.0500 | 10.0 | ND | 102 | 63-131 | | | |
| fotal Xylenes | 15.1 | 0.0250 | 15.0 | ND | 101 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.79 | | 8.00 | | 97.4 | 70-130 | | | |
| Matrix Spike Dup (2331002-MSD1) | | | | Source: 1 | E 307174 -(| 02 | Prepared: 0 | 7/31/23 A | nalyzed: 07/31/23 |
| Benzene | 4.94 | 0.0250 | 5.00 | ND | 98.7 | 54-133 | 1.82 | 20 | |
| Ethylbenzene | 4.91 | 0.0250 | 5.00 | ND | 98.2 | 61-133 | 1.54 | 20 | |
| Toluene | 4.98 | 0.0250 | 5.00 | ND | 99.5 | 61-130 | 1.55 | 20 | |
| o-Xylene | 4.93 | 0.0250 | 5.00 | ND | 98.5 | 63-131 | 1.32 | 20 | |
| o,m-Xylene | 10.0 | 0.0500 | 10.0 | ND | 100 | 63-131 | 1.31 | 20 | |
| Total Xylenes | 14.9 | 0.0250 | 15.0 | ND | 99.7 | 63-131 | 1.32 | 20 | |



QC Summary Data

| | | QC S | umm | ary Data | | | | | |
|--|--------|----------------------------------|----------------|----------------------|----------|---------------|-------------|--------------|---------------------|
| WPX Energy - Carlsbad 5315 Buena Vista Dr | | Project Name: Project Number: | | RDU 12)1058-0007 | | | | | Reported: |
| Carlsbad NM, 88220 | | Project Manager: | (| Gilbert Moreno | | | | | 8/21/2023 3:16:45PM |
| | No | nhalogenated C | Organics | s by EPA 801 | 5D - Gl | RO | | | 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 (2331002-BLK1) | | | | | | | Prepared: 0 | 7/31/23 A | analyzed: 07/31/23 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.48 | | 8.00 | | 93.5 | 70-130 | | | |
| LCS (2331002-BS2) | | | | | | | Prepared: 0 | 7/31/23 A | analyzed: 08/01/23 |
| Gasoline Range Organics (C6-C10) | 52.8 | 20.0 | 50.0 | | 106 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.17 | | 8.00 | | 89.6 | 70-130 | | | |
| Matrix Spike (2331002-MS2) | | | | Source: I | 2307174- | 02 | Prepared: 0 | 7/31/23 A | analyzed: 07/31/23 |
| Gasoline Range Organics (C6-C10) | 54.7 | 20.0 | 50.0 | ND | 109 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.44 | | 8.00 | | 93.0 | 70-130 | | | |
| Matrix Spike Dup (2331002-MSD2) | | | | Source: I | 307174- | 02 | Prepared: 0 | 7/31/23 A | analyzed: 07/31/23 |
| Gasoline Range Organics (C6-C10) | 55.1 | 20.0 | 50.0 | ND | 110 | 70-130 | 0.677 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.58 | | 8.00 | | 94.7 | 70-130 | | | |



QC Summary Data

| | | QC SI | | ary Data | | | | | |
|--|-----------------|--|-------------------------|---------------------------------------|----------|--------------------|-------------|-------------------|---|
| WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220 | | Project Name: Project Number: Project Manager: | 0 | RDU 12 1058-0007 Gilbert Moreno | | | | | Reported: 8/21/2023 3:16:45PM |
| | Nonh | alogenated Orga | anics by | EPA 8015D | - 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 (2331014-BLK1) | | | | | | | Prepared: 0 | 8/01/23 A | analyzed: 08/01/23 |
| Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36) | ND ND | 25.0 50.0 | | | | | | | |
| Surrogate: n-Nonane | 58.5 | | 50.0 | | 117 | 50-200 | | | |
| LCS (2331014-BS1) | | | | | | | Prepared: 0 | 8/01/23 A | analyzed: 08/01/23 |
| Diesel Range Organics (C10-C28) | 260 | 25.0 | 250 | | 104 | 38-132 | | | |
| Surrogate: n-Nonane | 51.0 | | 50.0 | | 102 | 50-200 | | | |
| Matrix Spike (2331014-MS1) | | | | Source: F | 307166- | 01 | Prepared: 0 | 8/01/23 A | analyzed: 08/01/23 |
| Diesel Range Organics (C10-C28) | 260 | 25.0 | 250 | ND | 104 | 38-132 | | | |
| Surrogate: n-Nonane | 48.2 | | 50.0 | | 96.5 | 50-200 | | | |
| Matrix Spike Dup (2331014-MSD1) | | | | Source: F | 307166- | 01 | Prepared: 0 | 8/01/23 A | analyzed: 08/01/23 |
| Diesel Range Organics (C10-C28) | 254 | 25.0 | 250 | ND | 101 | 38-132 | 2.66 | 20 | |
| Surrogate: n-Nonane | 49.9 | | 50.0 | | 99.8 | 50-200 | | | |



QC Summary Data

| | | L L | | J | | | | | |
|---------------------------------|--------|--------------------|----------------|---------------------|----------|---------------|-------------|--------------|---------------------|
| WPX Energy - Carlsbad | | Project Name: | R | DU 12 | | | | | Reported: |
| 5315 Buena Vista Dr | | Project Number: | : 01 | 058-0007 | | | | | • |
| Carlsbad NM, 88220 | | Project Manager | :: G | ilbert Moreno | | | | | 8/21/2023 3:16:45PM |
| | | Anions | by EPA 3 | 300.0/9056 A | 4 | | | | 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 (2331011-BLK1) | | | | | | | Prepared: 0 | 7/31/23 A | nalyzed: 07/31/23 |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2331011-BS1) | | | | | | | Prepared: 0 | 7/31/23 A | nalyzed: 07/31/23 |
| Chloride | 264 | 20.0 | 250 | | 105 | 90-110 | | | |
| Matrix Spike (2331011-MS1) | | | | Source: | E307177- | 01 | Prepared: 0 | 7/31/23 A | nalyzed: 07/31/23 |
| Chloride | 358 | 200 | 250 | ND | 143 | 80-120 | | | M5 |
| Matrix Spike Dup (2331011-MSD1) | | | | Source: | E307177- | 01 | Prepared: 0 | 7/31/23 A | nalyzed: 07/31/23 |
| Chloride | 282 | 200 | 250 | ND | 113 | 80-120 | 23.7 | 20 | R2 |

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: | RDU 12 | | | | | | |
| 5315 Buena Vista Dr | Project Number: | 01058-0007 | Reported: | | | | | |
| Carlsbad NM, 88220 | Project Manager: | Gilbert Moreno | 08/21/23 15:16 | | | | | |

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.

R2 The RPD exceeded the acceptance limit.

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

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

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



Reproject Information

| Page | Received |
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| gram | by |
| SDWA | 00 |
| | OCD: |
| RCRA | 9 |
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| | PX Energy Pe | rmian LL | С. | | | | Bill To | 42. | 2 (B. S.) | | La | ab U | se Or | nly | | | | T | TAT | | EPA P | rogram |
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| | lanager: Gilbe | | | | | | ss: 5315 Buena Vista Dr. | | E: | 30 | 71- | T | DIC | 158 | -000- | 1 | | | 5 | day TAT | | |
| | 13000 W Cou | | | | | City, S | tate, Zip: Carlsbad, NM, 882 | 220 | | | | | Analy | ysis a | nd Meth | od | | | | | 1 | RCRA |
| | e, Zip_Odessa | | 65 | | | Phone | : 575-885-7502 | | | hy | | | | | | Т | | | | | | |
| | 32) 541-7719 | | | | | Email | jim.raley@dvn.com | | | ORO | | | | | | | | | | | State | |
| mail: De | von-team@e | etechenv. | com | | | WO: 2 | 1169911 | | 1 | \$0/0 | - | | | 0.0 | | | EN I | | | NM CO | UT AZ | TX |
| ollected | by: Edyte Ko | nan | | | | Incide | nt ID: nAPP2315142829 | 1 | | 10/0 | 802 | 326(| 010 | 300 | | - 100 | | 1 T | | | | |
| Time | Date Sampled | Matrix | No. of | Sample ID | D | | | Lab | Depth(ft.) | GRC | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | | | BGDUC | 1 N | | | | II |
| Sampled | Date Sampled | IVIAUIX | Containers | | | | | Number | Dep | TPH GRO/DRO/ORO by 8015 | BTE | VOC | Met | Chlo | | | BGI | GDOC | | | Remarks | |
| 14:00 | 7/28/2023 | S | 1 | | | | SW01 | 1 | 0-2 | | | | | | | | x | | | - | | |
| 14:10 | 7/28/2023 | S | 1 | | | | SW02 | 2 | 0-2 | ı | | | | | | | x | | | | | |
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| ddition | al Instruction | is: | | | | | | | | | | - | | | I | | | _ | | | | |
| ate or time | of collection is co | nsidered frau | | | | | npering with or intentionally mislabell Sampled by: | ing the sample | ocatio | n, | | | | | | | | | | d on ice the day an 6 °C on sub | | |
| elinquishe | ed by: (Signature | 2) | | 8/2023 | Time 10:00 | 9 | Mille Cemicale | ar 7,27,27,27 Time 1000 | | | | | Lab Use Only Received on ice: | | | | | | | | | |
| Mid | ed by: (Signature | mals | L 7 | -28:23 | Time | | eceived by: (Signature) | Date 7.28 | .23 | Time | 73 | | 1 | | | | | | | <u>T3</u> | | |
| Relinquished by: (Signature) Date Time R Aldolow NWS90 7.29.23 7400 | | | DR | arth Man | Date | 23 | Time 7, | 15 | - | 1.00 | | np °C | 4 | | | | | | | | | |
| mple Mat | rix: S - Soil, Sd - So | olid, Sg - Slud | ge, A - Aque | ous, O - Other | r | | and the second | Containe | r Typ | e:g- | glass, | , p - p | | | | nber | glass, | v - VC | A | | | |
| ote: Sam | oles are discarde | ed 30 days a | after results | are reporte | ed unless o | ther arra | ngements are made. Hazardous : COC. The liability of the laborator | samples will b | e retu | rned to | o clier | nt or o | dispos | ed of | at the clie | | | | | for the ana | lysis of the | above |

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

| | WPX Energy - Carlsbad I | Date Received: | 07/31/23 | 07:15 | Work Order ID: | E307177 |
|--|--|---|--|-------------------|----------------|---------------|
| Phone: | (539) 573-4018 I | Date Logged In: | 07/28/23 | 15:52 | Logged In By: | Caitlin Mars |
| Email: | devon-team@ensolum.com | Due Date: | 08/04/23 | 17:00 (4 day TAT) | | |
| Chain of | f Custody (COC) | | | | | |
| 1. Does t | the sample ID match the COC? | | Yes | | | |
| 2. Does t | the number of samples per sampling site location matcl | n the COC | Yes | | | |
| 3. Were s | samples dropped off by client or carrier? | | Yes | Carrier: Courier | | |
| 4. Was th | ne COC complete, i.e., signatures, dates/times, requeste | d analyses? | Yes | | | |
| 5. Were a | all samples received within holding time? Note: Analysis, such as pH which should be conducted in t i.e, 15 minute hold time, are not included in this disucssion | | Yes | | Comment | ts/Resolution |
| Sample ' | Turn Around Time (TAT) | | | | | |
| | 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 tł | ne sample(s) received intact, i.e., not broken? | | Yes | | | |
| 10. Were | e custody/security seals present? | | No | | | |
| | s, were custody/security seals intact? | | NA | | | |
| • | he sample received on ice? If yes, the recorded temp is 4°C, i. Note: Thermal preservation is not required, if samples are r | | Yes | | | |
| 13 If no | minutes of sampling visible ice, record the temperature. Actual sample te | mperature: 1º | C | | | |
| | | mperature. <u>4</u> | <u>c</u> | | | |
| - | <u>Container</u> | | 3.7 | | | |
| | | | | | | |
| | aqueous VOC samples present? | | No Na | | | |
| 15. Are V | VOC samples collected in VOA Vials? | | NA | | | |
| 15. Are V 16. Is the | VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? | | NA NA | | | |
| 15. Are V 16. Is the 17. Was | VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? | | NA NA NA | | | |
| 15. Are V 16. Is the 17. Was 18. Are r | VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? | rs collected? | NA NA NA Yes | | | |
| 15. Are V 16. Is the 17. Was 18. Are r 19. Is the | VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe | rs collected? | NA NA NA | | | |
| 15. Are V 16. Is the 17. Was 18. Are r 19. Is the Field La | VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe <u>abel</u> | | NA NA NA Yes | | | |
| Are V Is the I7. Was Are r I8. Are r I9. Is the Field La Were | VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe | | NA NA NA Yes | | | |
| 15. Are V 16. Is the 17. Was 18. Are r 19. Is the Field La 20. Were | VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe bel e field sample labels filled out with the minimum inform | | NA NA Yes Yes | | | |
| 15. Are V 16. Is the 17. Was 18. Are r 19. Is the Field La 20. Were S | VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe bel e field sample labels filled out with the minimum inforr Sample ID? | | NA NA Yes Yes | | | |
| 15. Are V 16. Is the 17. Was 18. Are r 19. Is the Field La 20. Were S I C Sample | VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe bel e field sample labels filled out with the minimum inforr Sample ID? Date/Time Collected? Collectors name? Preservation | nation: | NA NA Yes Yes Yes | | | |
| 15. Are V 16. Is the 17. Was 18. Are r 19. Is the Field La 20. Were S I C Sample 21. Does | VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe bel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were preserved. | nation: | NA NA Ves Yes Yes Yes Yes | | | |
| 15. Are V 16. Is the 17. Was 18. Are r 19. Is the Field La 20. Were <u>Sample</u> 21. Does 22. Are s | VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe bel e field sample labels filled out with the minimum inforr Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were press sample(s) correctly preserved? | nation: served? | NA NA Yes Yes Yes Yes No | | | |
| 15. Are V 16. Is the 17. Was 18. Are r 19. Is the Field La 20. Were <u>Sample</u> 21. Does 22. Are s | VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe bel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were preserved. | nation: served? | NA NA Ves Yes Yes Yes Yes | | | |
| 15. Are V 16. Is the 17. Was 18. Are r 19. Is the Field La 20. Were S I (C Sample) 21. Does 22. Are s 24. Is lab Multiph | VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers bel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were press sample(s) correctly preserved? o filteration required and/or requested for dissolved me ase Sample Matrix | nation: served? tals? | NA NA Yes Yes Yes Yes No | | | |
| 15. Are V 16. Is the 17. Was 18. Are r 19. Is the Field La 20. Were S I (Sample 21. Does 22. Are s 24. Is lat Multiph | VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe thel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation a the COC or field labels indicate the samples were presessample(s) correctly preserved? o filteration required and/or requested for dissolved me | nation: served? tals? | NA NA Yes Yes Yes Yes No | | | |
| 15. Are V 16. Is the 17. Was 18. Are r 19. Is the Field La 20. Were Sample 21. Does 22. Are s 24. Is lat Multiph 26. Does | VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers bel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were press sample(s) correctly preserved? o filteration required and/or requested for dissolved me ase Sample Matrix | nation: served? tals? ? | NA NA Yes Yes Yes Yes No NA | | | |
| 15. Are V 16. Is the 17. Was 18. Are r 19. Is the Field La 20. Were S I C Sample 21. Does 22. Are s 24. Is lat Multiph 26. Does 27. If yes | VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe bel e field sample labels filled out with the minimum inforr Sample ID? Date/Time Collected? Collectors name? Preservation a the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved me ase Sample Matrix is the sample have more than one phase, i.e., multiphase | nation: served? tals? ? | NA NA Yes Yes Yes Yes No No | | | |
| 15. Are V 16. Is the 17. Was 18. Are r 19. Is the Field La 20. Were 20. Were 21. Does 22. Are s 24. Is lat Multiph 26. Does 27. If ye: | VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe thel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation 6 the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved me ase Sample Matrix 5 the sample have more than one phase, i.e., multiphase s, does the COC specify which phase(s) is to be analyz | nation: served? tals? ? ed? | NA NA Yes Yes Yes Yes No No | | | |

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



envirotech Inc.

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Released to Imaging: 9/6/2023 4:19:11 PM

Page 1 of 1

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| | Aanager: Gilb | ert More | 10 | | | Atte | ntion: Jim Raley ress: 5315 Buena | Victo Dr | | Lab | wo 30 | # | | Idol | vum | -000 | 7- | 0 2 | D 3 | | | CWA | SDWA | | |
| | 13000 W Cou | | | | | | , State, Zip: Carlsb | | 1 | E. | 30 | 1 | | | | nd Me | | | | 5 | day TAT | - | 0004 | - | 1/5 |
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| | 332) 541-771 | | - | | | | il: jim.raley@dvn. | com | | - | RO h | | - 15 | | | | | | | | | State | | | 23 |
| | evon-team@e | | com | | | | : 21169911 | com | | | 0/0 | | | 1000 | 0 | | | 5 | | | NM CO | | | - | 9: |
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| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample I |) | 1.0-0 | | | Lab | Depth(ft.) | TPH GRO/DRO/ORO by 8015 | BTEX by I | VOC by 8260 | Metals 6010 | Chloride 300.0 | | | BGDOC | coor | | | Remark | s | 1.0 | 9/5/2023 9:23:35 AM |
| 14:00 | 7/28/2023 | S | 1 | | | | SW01 | | 1 | 0-2 | | | - | - | 0 | | | X | | | | | | | M |
| 14:10 | 7/28/2023 | S | 1 | | and it | | SW02 | | 2 | 0-2 | | | | | | | | x | | | | | | | |
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| | al Instruction | | | | | | | | | | | | | | | | | | | | | | | | |
| date or time | of collection is co | nsidered frau | d and may b | e grounds for | legal actio | on. | tampering with or intent Sampled by | | | | * | | | receive | | | | temp. | above 0 | but less ti | | ay they are sa bsequent days | A DESCRIPTION OF A DESC | | |
| | | | Date 07/21 Date | 8/2023 | Time 10:00 | | Received by: (Signatur McUllu | enjelle | Date 7,27; Date | 23 | lime 1C | 000 |) | Rece | ived | on ice | e: (| Lab | Use (N | Only | | | | | |
| Mic | ed by: (Signature Ull U ed by: (Signature | wals | - 7- Date | 28:23 | Time 17D Time | | Aller M | 250 | 7.28 | | 1 Ime | 73 | 0 | <u>T1</u> | | | - <u> </u> | 2 | | | <u>T3</u> | | | | |
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| samnles is | applicable only | to those sar | nnles receit | are reporte | aboratory | other ar | rangements are made is COC. The liability of | the laboratory is | limited to | e retui | rned t | o clier | nt or d | lispose | d of a | at the c | lient e | xpens | ie. The | report | t for the ar | alysis of the | e above | | |
| | | | | | | | | <u></u> | <u>annied to</u> | une un | <u>ilouni</u> | pare | (| 3 | port. | (| e | n | V | ' i | ro | te | ec | h | Page 88 of 21 |
| | | | | | | | | | | | | | | | | | | | | | | | | | .216 |

APPENDIX G

NMOCD Notifications

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



Erick Herrera

| From: | Hamlet, Robert, EMNRD <robert.hamlet@emnrd.nm.gov></robert.hamlet@emnrd.nm.gov> |
|----------|--|
| Sent: | Thursday, June 15, 2023 8:35 AM |
| То: | Raley, Jim |
| Cc: | Devon-Team; Bratcher, Michael, EMNRD; Harimon, Jocelyn, EMNRD |
| Subject: | (Extension Approval) - RDU 12 Extension Requests - Incident Numbers nHMP1407235518 and nAPP2315142829 |

Some people who received this message don't often get email from robert.hamlet@emnrd.nm.gov. Learn why this is important

RE: Incident #NHMP1407325518 and NAPP2315142829

Jim,

Your request for an extension to **September 28th, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

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



From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Wednesday, June 14, 2023 1:57 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] RDU 12 Extension Requests - Incident Numbers nHMP1407235518 and nAPP2315142829

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

Robert,

WPX Energy Permian, LLC (WPX) is requesting an extension to the current deadline for reports required in 19.15.29.12.B.(1) NMAC at the Ross Draw #012 (Site).

Two crude oil and produced water releases were discovered between March 5, 2014, and January 11, 2017, and subsequently assigned Incident Number nHMP1407235518 and nAB1702749185, respectively. NMOCD recently denied a closure report associated with both inadvertent releases on March 29, 2023, due to inadequate depth to groundwater data. As a result, NMOCD set a new due date for a subsequent report for June 30, 2023. Currently, there is new soil boring data to support the depth to groundwater determination at the Site. However, an additional inadvertent release of release of produced water occurred on May 15, 2023 (nAPP2315142829) and overlapped the same earthen

containment impacted by nHMP1407235518, therefore additional investigation is warranted to determine the presence or absence of impacts. Incident Number nAB1702749185 occurred in a separate location, therefore, a closure addendum will be submitted to address the denial.

To provide enough time for additional planning, remediation activities and subsequent corrective action report, WPX requests an extension of the deadline for the two overlapping releases associated with Incident Number nHMP1407235518 and nAPP2315142829 to September 28, 2023.

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



Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.

Erick Herrera

| From: | Enviro, OCD, EMNRD <ocd.enviro@emnrd.nm.gov></ocd.enviro@emnrd.nm.gov> |
|----------|--|
| Sent: | Friday, June 16, 2023 3:37 PM |
| То: | Erick Herrera |
| Cc: | Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD |
| Subject: | RE: [EXTERNAL] WPX Site Sampling Activity Update (6/20 - 6/23) |

Erick,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

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



From: Erick Herrera <erick@etechenv.com>
Sent: Thursday, June 15, 2023 3:14 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov
Cc: Raley, Jim <jim.raley@dvn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] WPX Site Sampling Activity Update (6/20 - 6/23)

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

WPX anticipates conducting confirmation soil sampling activities at the following sites between June 20 – June 23, 2023:

Site Name: North Brushy PW Line Incident Numbers: nAPP2231126594 & nAPP2312845934

Site Name: RDX 9#004 Incident Number: nAB1803254347 API: 30-015-40180

Site Name: RDX Federal COM 28 #009H Incident Number: nAB1632648516 API: 30-015-43294

Site Name: Holly A Federal #006

Incident Number: nAPP2116548791 API: 30-015-25331

Site Name: Ross Draw #012 Incident Numbers: nHMP1407235518 and nAPP2315142829 API: 30-015-24793

Thank you,

Erick Herrera Staff Geologist

e Environmental & Safety Solutions, Inc.

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

Erick Herrera

| From: Sent: | Wells, Shelly, EMNRD <shelly.wells@emnrd.nm.gov> Monday, July 24, 2023 2:27 PM</shelly.wells@emnrd.nm.gov> |
|----------------|--|
| То: | Erick Herrera |
| Cc: | Bratcher, Michael, EMNRD; Maxwell, Ashley, EMNRD; Hamlet, Robert, EMNRD |
| Subject: | RE: [EXTERNAL] WPX Site Sampling Activity Update (7/27 - 7/28) |
| • | |

You don't often get email from shelly.wells@emnrd.nm.gov. Learn why this is important

Good afternoon Erick,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced Administrative Permitting Program EMNRD-Oil Conservation Division 1220 S. St. Francis Drive | Santa Fe, NM 87505 (505)469-7520 <u>| Shelly.Wells@emnrd.nm.gov</u> http://www.emnrd.state.nm.us/OCD/

From: Erick Herrera <erick@etechenv.com>
Sent: Monday, July 24, 2023 9:30 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov
Cc: Raley, Jim <jim.raley@dvn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] WPX Site Sampling Activity Update (7/27 - 7/28)

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

Good morning,

WPX anticipates conducting confirmation soil sampling activities at the following site between July 27 through July 28, 2023:

Proposed Date: July 27, 2023 & July 28, 2023, Proposed Timeframe: 0800 – 1700 hrs. Site Name: Ross Draw #012 Incident Numbers: nHMP1407325518 (2RP-2211) & nAPP2315142829 API: 30-015-24793

Thank you,

Erick Herrera

•

Staff Geologist

C Н nental & Safety Solutions, Inc.

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

APPENDIX H

Original Closure Request

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





March 26, 2020 Mike Bratcher NMOCD District 2 811 South First Street Artesia, NM 88210

Re: Ross Draw Unit #12 Release Closure Request (2RP-2211 & 2RP-4095)

Mr. Bratcher,

The attached report summarizes the sampling activities at the Ross Draw Unit (RDU) #12 well pad. WPX requests no further action be taken until the reclamation of the Pad. Please contact me with any questions or concerns.

Best regards,

Inde tomback

Lynda Laumbach Environmental Specialist

CC: Robert Hamlet, NMOCD Victoria Venegas, NMOCD

Attachments: Attachment 01 Site Characterization Report & Soil Closure Report

| District (| aa | | R | ECEIVE | D | | | | |
|--|--|---|--|--|---|--|--|--|--|
| 1625 N French Dr., Hobbs, NM 88240 | · · · · · · · · · · | f New Mexico s and Natural Resources MAR 06 2014 Revised August 8 | | | | | | | |
| 811 S. First St., Artesia, NM 88210 | Oil Conservation Division 1220 South St. Francis Dr. Submit 1 Copy to appropriate District Office NMOCD ARTICE dame with 19.15.29 NMA | | | | | | | | |
| 1000 Rio Brazos Road, Aztec, NM 87410 | | St. Francis | s Dr. | OCD ART | Rendance with 19.15.29 NMAC. | | | | |
| 1220 S. St. Francis Dr., Santa Fe, NM 87505 | | e, NM 8750 | | | · · · · · · · · · · · · · · · · · · · | | | | |
| | Release Notification and Corrective Action | | | | | | | | |
| nHmp1407325518 246 | | OPERAT | | | al Report 🔲 Final Report | | | | |
| Name of Company RKI EXPLORATION & PRODUC Address 210 PARK AVE, STE 900, OKC, OK 731 | | | HEATHER BE 0. 405-996-57 | | | | | | |
| Facility Name ROSS DRAW 12 | | Facility Type | | Q3 | | | | | |
| | al Owner | | | APINO | . 30-015-24793 | | | | |
| LO | CATIO | N OF REL | EASE | __ | | | | | |
| Unit Letter Section Township Range Feet from th | | <u> </u> | Feet from the | East/West Line | County | | | | |
| A 33 26S 30E 467' | NC | DRTH | 660' | EAST | EDDY | | | | |
| Latitude | | Longitude | | | | | | | |
| N | ATURE | OF RELE | ASE | | | | | | |
| Type of Release OILWATER Source of Release TRANSFER PUMP | | Volume of H | Release 15 BE our of Occurrence | | Recovered 0 BBLS Hour of Discovery | | | | |
| Was Immediate Notice Given? | | If YES, To Y | | 14 UKN TIME | | | | | |
| | t Required | | | | 3/5/14 @ 9:00 AM | | | | |
| By Whom? M. BALLIET, BLM Was a Watercourse Reached? | | Date and He If YES, Vol | our ume Impacting th | e Watercourse. | | | | | |
| Tes 🕅 No | | N/A | | | | | | | |
| If a Watercourse was Impacted, Describe Fully.* | | | | | | | | | |
| | | | | | | | | | |
| · | | | | | | | | | |
| Describe Cause of Problem and Remedial Action Taken.* | | | | | | | | | |
| WATER TANK RAN OVER, TRANSFER PUMP | OVERLO | AD. | | | | | | | |
| | | | | | | | | | |
| Describe Area Affected and Cleanup Action Taken.* | | | | | | | | | |
| SPILL WAS CONTAINED IN DIRT CONTAINME | NI; DYK | E | | | | | | | |
| | | | | | | | | | |
| I hereby certify that the information given above is true and co regulations all operators are required to report and/or file certa | inplete to t | he best of my k otifications and | knowledge and ur d perform correct | derstand that pure | suant to NMOCD rules and eases which may endanger | | | | |
| public health or the environment. The acceptance of a C-141 | report by th | e NMOCD ma | rked as "Final Re | port" does not rel | ieve the operator of liability | | | | |
| should their operations have failed to adequately investigate a or the environment. In addition, NMOCD acceptance of a C- | nd remediat 141 report d | e contaminatio locs not relieve | on that pose a three the operator of re- | at to ground wate esponsibility for c | r, surface water, human health compliance with any other | | | | |
| federal, state, or local laws and/or regulations. | | | | ERVATION | | | | | |
| Signature: Alacher Popum | | | <u>QIL CONS</u> | / | | | | | |
| Printed Name: Heather Brehm | | Approved by I | Environmental Sp | ecialist: | - / | | | | |
| Title: Regulatory Analyst | | Approval Date: 3-14-14 Expiration Date: NA | | | | | | | |
| E-mail Address: hbrehm@rkixp.com | | | | | | | | | |
| | í | Conditions of Approval: | | | | | | | |
| Date: 3/06/2014 Phone: 405-996-5 * Attach Additional Sheets If Necessary | /09 i | Remediation per OCD Rule & Guidelinés, & like approval by BLM. SUBMIT REMEDIATION DODOTION DEP 7211 | | | | | | | |
| · · · · · · · · · · · · · · · · · · · | | PROPI | <u>OSAL NO LATER</u> | THAN: | 2FP 2211 | | | | |
| | | | 4-14-14 | Ł , | | | | | |

and the second second

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Oil Conservation Division

| Incident ID | 2RP-2211 |
|----------------|----------|
| District RP | |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

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

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

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

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

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

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

| Received by OCD: 9/3 | 5/2023 9:23:35 AM State of New Mexico | | | Page 100 of 21 | | | | | |
|---|---|---|---|---|---|--|--|--|--|
| | | | | Incident ID | 2RP-2211 | | | | |
| Page 4 | Oil Conservation Division | | | District RP | | | | | |
| | | | | Facility ID | | | | | |
| | | | | Application ID | | | | | |
| regulations all operator public health or the er failed to adequately in addition, OCD accepts and/or regulations. Printed Name: Signature: | the information given above is true and complete to the ors are required to report and/or file certain release not invironment. The acceptance of a C-141 report by the investigate and remediate contamination that pose a thr ance of a C-141 report does not relieve the operator of Lynda Laumbach | ifications an OCD does n eat to ground f responsibil | nd perform co ot relieve the dwater, surfac ity for compli | rrective actions for rele operator of liability sho ce water, human health iance with any other feo ntal Specialist | ases which may endanger ould their operations have or the environment. In | | | | |
| OCD Only | | D | - | | | | | | |
| Received by: | | L | Date: | | | | | | |

Page 6

Oil Conservation Division

| Incident ID | 2RP-2211 |
|----------------|----------|
| District RP | |
| Facility ID | |
| Application ID | |

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

| Closure Report Attachment Checklist: Each of the following items must be included in the closure report. | | | |
|--|--|--|--|
| X A scaled site and sampling diagram as described in 19.15.29.11 NMAC | | | |
| X Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) | | | |
| Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) | | | |
| X Description of remediation activities | | | |
| | | | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: Lynda Laumbach Title: Environmental Specialist Signature: Date: 03/26/2020 email: Lynda.Laumbach@wpxenergy.com Telephone: (575)725-1647 | | | |
| | | | |
| OCD Only | | | |
| Received by: Date: | | | |
| Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. | | | |
| Closure Approved by: Date: | | | |
| Printed Name: Title: | | | |

Site Characterization Report & Soil Closure Request

WPX Energy, Inc. RDU 12

Eddy County, New Mexico Unit Letter A, Section 33, Township 26 South, Range 30 East Latitude 32.004760 North, Longitude 103.879775 West NMOCD Reference No. 2RP-2211 & 2RP-4095

Prepared By:

Etech Environmental & Safety Solutions, Inc. 13000 W County Road 100 Odessa, TX 79765

N.S. Hdg.

Joseph S. Hernandez - Project Manager

Intentional Blank

Environmental & Safety Solutions, Inc.

Midland • San Antonio • Lubbock • Lovington • Lafayette

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| SITE CHARACTERIZATION (2RP-2211 & 2RP-4095) | |
| CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE | |
| REMEDIATION ACTIVITIES SUMMARY | |
| RESTORATION, RECLAMATION AND RE-VEGETATION PLAN | |
| SOIL CLOSURE REQUEST. | 6.0 |
| LIMITATIONS. | |
| DISTRIBUTION. | |
| | |

FIGURES

Figure 1 - Topographic Map Figure 2 - Aerial Proximity Map Figure 3 (2RP-2211) & 3A (2RP-4095) - Site & Sample Location Map

TABLES

Table 1 - Concentrations of BTEX, TPH and/or Chloride in Soil (2RP-2211)

Table 1 - Concentrations of BTEX, TPH and/or Chloride in Soil (2RP-4095)

APPENDICES

- Appendix A Depth to Groundwater Information
- Appendix B Field Data and Soil Profile Logs
- Appendix C Laboratory Analytical Reports
- Appendix D Photographic Log

1.0 PROJECT INFORMATION (2RP-2211)

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of WPX Energy, Inc, has prepared this Site Characterization Report and Soil Closure Report for the Release Site Known as the Ross Draw 12. Details of the release are summarized below:

| | | Locati | on of Release Sou | rce | |
|--|------------------|--|----------------------|-------------------------|---------------------------------|
| .atitude: | 32.00 |)4760 | Longitud | | -103.8797758 |
| | | Provided G | PS are in WGS84 | format. | |
| Site Name: | | DRAW 12 | Site Type: | | Wellhead |
| Date Release Dis | covered: | 2/25/2014 | API # (if app | licable): | 30-015-24793 |
| Unit Letter | Section | Township | Range | County | |
| А | 33 | 265 | 30E | Eddy | |
| Surface Owner: | State X | | l Private (Na | | |
| X Crude Oil X Produced Water Volume Released (bbls) 15 Volume Recovered (bbls) 0 | | | | ecovered (bbls) 0 | |
| | | oncentration of disso ed water > 10,000 m | | ne Ye | s No X N/A |
| Condensate Volume Released (bbls) Volume Recovered (bbls) | | ecovered (bbls) | | | |
| Natural Gas Volume Released (Mcf) Volume Recovered | | ecovered (Mcf) | | | |
| Other (desc | ribe) Volume | Volume/Weight Released | | Volume/Weight Recovered | |
| Cause of Releas This release was | | ansfer pump overloa | ad, resulting in the | water tank to o | overflow. |
| | | Ι | nitial Response | | |
| X The source | of the release h | as been stopped. | | | |
| X The impacte | d area has beer | secured to protect | human health and | the environment | nt. |
| X Release mat | terials have bee | en contained via the | use of berms or di | kes, absorbent | pad, or other containment devic |
| _ | • • • | able materials have | 1 1 | | · . 1 |

Previously submitted portions of the NMOCD Form C-141 are available on the NMOCD Imaging System.

1.0A PROJECT INFORMATION (2RP-4095)

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of WPX Energy, Inc, has prepared this Site Characterization Report and Soil Closure Report for the Release Site Known as the RDU 12. Details of the release are summarized below:

| Latitude: | 32.004760 | Longitude: | -103.8797758 |
|--|---|-------------------------------|---|
| Luntudo | | led GPS are in'Y I U | |
| Site Name: Date Release Discovere | RDU 12 ed: 1/11/2017 | Site Type: API # (if appli | Wellhead cable): 30-015-24793 |
| | ctionTownship33268 | Range 30E | County Eddy |
| Surface Owner: Sta | ate X Federal Triba | al Private (Nan | ne |
| | Nature | and Volume of Rele | ease |
| X Crude Oil Volume Released (bbls) 12 Volume Recover | | | Volume Recovered (bbls) 4.5 |
| | Is the concentration of diss produced water > 10,000 n | | Yes No X N/A |
| Condensate Volume Released (bbls) Volume Recovered (bbls) | | Volume Recovered (bbls) | |
| Natural Gas Volume Released (Mcf) | | Volume Recovered (Mcf) | |
| Other (describe) Volume/Weight Released Volume/Weight Recovered | | | Volume/Weight Recovered |
| Cause of Release: This release was cause drainage and migrated | | box failure. The spill | migrated west of the pad, entered a dry |
| |] | Initial Response | |
| | release has been stopped. has been secured to protect | human health and th | e environment |
| | Ĩ | | es, absorbent pad, or other containment devic |
| | | | nanaged appropriately. |

Previously submitted portions of the NMOCD Form C-141 are available on the NMOCD Imaging System.

2.0 SITE CHARACTERIZATION (2RP-2211)

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half mile radius of the Release Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

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

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted on Figure 2.

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater and NMOCD Siting Criteria, the NMOCD Closure Criteria for the Site is as follows:

| Closure Criteria for Soil Impacted by a Release | | | | |
|---|-----------------------|-----------------------------------|--------------|--|
| Probable Depth to Groundwater | Constituent | Method | Limit | |
| >100' bgs | Chloride | EPA 300.0 or SM4500 Cl B | 20,000 mg/kg | |
| | TPH (GRO + DRO + MRO) | EPA SW-846 Method 8015M Ext | 2,500 mg/kg | |
| | DRO + GRO | EPA SW-846 Method 8015M | 1,000 mg/kg | |
| | BTEX | EPA SW-846 Methods 8021b or 8260b | 50 mg/kg | |
| | Benzene | EPA SW-846 Methods 8021b or 8260b | 10 mg/kg | |

2.0A SITE CHARACTERIZATION (2RP-4095)

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half mile radius of the Release Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

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

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted on Figure 2.

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater and NMOCD Siting Criteria, the NMOCD Closure Criteria for the Site is as follows:

| Closure Criteria for Soil Impacted by a Release | | | | |
|---|-----------------------|-----------------------------------|--------------|--|
| Probable Depth to Groundwater | Constituent Method | | Limit | |
| >100' bgs | Chloride | EPA 300.0 or SM4500 Cl B | 20,000 mg/kg | |
| | TPH (GRO + DRO + MRO) | EPA SW-846 Method 8015M Ext | 2,500 mg/kg | |
| | DRO + GRO | EPA SW-846 Method 8015M | 1,000 mg/kg | |
| | BTEX | EPA SW-846 Methods 8021b or 8260b | 50 mg/kg | |
| | Benzene | EPA SW-846 Methods 8021b or 8260b | 10 mg/kg | |

4.0 **REMEDIATION ACTIVITIES SUMMARY**

On January 15, 2020, Etech personnel conducted initial site assessments for two (2) releases, 2RP-2211 and 2RP-4095, that occurred at the RDU 12 Site in Eddy County, NM. The assessments consisted of generating a footprint via GPS receiver of the aforementioned releases and photo documentation of the current Site conditions. Based on visual observation, approximately eight hundred and nineteen (819) square feet of surface area was impacted from the release assigned 2RP-2211; approximately five thousand and fifty-three (5,053) square feet of surface area was impacted from the release assigned 2RP-4095. Between January 22, 2020 and February 25, 2020, a series of test trenches and/or hand-augered soil bores were advanced within the release footprints in an effort to define the vertical and horizontal extent of impacted soil. Field soil samples were collected and field-screened for the presence of Volatile Organic Compounds utilizing a Photoionization Detector (PID) and concentrations of chloride utilizing a Hach Quantab ® chloride test kit. A "Site & Sample Location Map" is provided as Figure 3 (2RP-2211) and Figure 3A (2RP-4095). Field data and soil profile logs, if applicable, are provided as Appendix B.

Based on field observations and field test data associated with **2RP-2011**, **thirteen (13)** delineation soil samples (TT1@2', TT1@4', TT2@2', TT2@4', AH1@2', AH1@6', AH2@2', AH2@4', AH3@2', AH3@4', AH4@2' and AH4@4) were relinquished to an accredited laboratory for analysis of BTEX, TPH and Chloride concentrations. Laboratory analytical results indicated soil was not affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard. A "Soil Chemistry Table" is provided as Table 1. Laboratory Analytical Reports are provided in Appendix C.

Based on field observations and field test data associated with **2RP-4095**, **twenty (20)** delineation soil samples (TT1@2', TT1@12', TT2@2', TT2@4', TT3@2', TT3@4', AH1@2', AH1@4', AH2@2', AH2@4', AH3@2', AH3@4', AH4@2', AH4@4', AH5@2', AH5@4', AH6@2', AH6@4', AH7@2' and AH7@4') were relinquished to an accredited laboratory for analysis of BTEX, TPH and Chloride concentrations. Laboratory analytical results indicated soil was not affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard. A "Soil Chemistry Table" is provided as Table 1. Laboratory Analytical Reports are provided in Appendix C.

Based on laboratory analytical data, soil within the affected areas associated with **2RP-2211** and **2RP-4095** yielded concentrations below the NMOCD Closure Criteria and/or NMOCD Reclamation Standard, therefore the soil has not been excavated from the affected areas.

5.0 RESTORATION, RECLAMATION AND RE-VEGETATION PLAN

Laboratory analytical results from soil samples collected during delineation events indicated remediation was not required, therefore the affected area was left in-situ and not altered. Vegetation within the affected area will be monitored and may be reseeded with an agency-approved seed mixture free of noxious weeds during the first favorable growing season following closure of the site, if necessary.

6.0 SOIL CLOSURE REQUEST

Delineation activities were conducted in accordance with applicable NMOCD Regulations. Laboratory analytical from the collected soil samples indicated soil in the affected area(s) was not impacted above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard. Laboratory analytical results from confirmation soil samples indicate concentrations of BTEX, TPH and chloride was below the NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

Based on laboratory analytical results and field activities conducted to date, Etech recommends WPX Energy, Inc. provide copies of this Remediation Summary and Soil Closure Request to the appropriate agencies and request closure be granted to the RDU 12 Site (**2RP-2211 and 2RP-4095**).

7.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this Site Characterization Report and Soil Closure Request to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents reference in the report and on oral statements made by certain individuals. Basis has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of WPX Energy, Inc. Use of the information contained in this report is prohibited within the consent of Etech and/or WPX Energy, Inc.

8.0 **DISTRIBUTION**

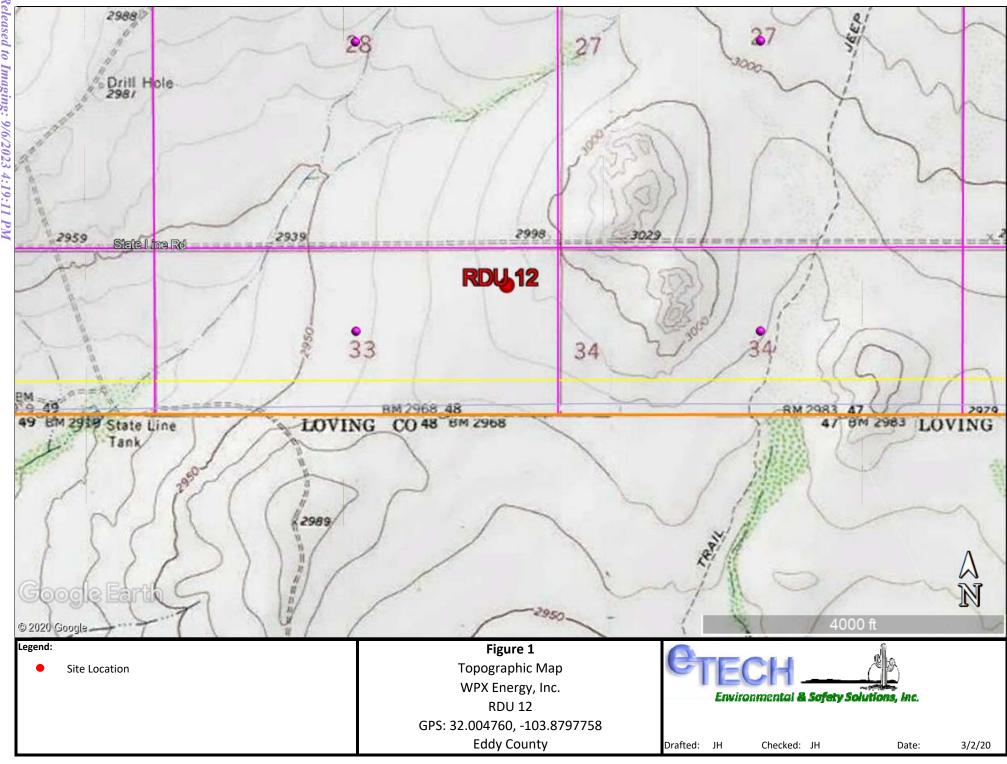
WPX Energy, Inc. 5315 Buena Vista Dr. Carlsbad, NM 88220

New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division, District 2 811 S. First Street Artesia, NM 88210

(Electronic Submission)

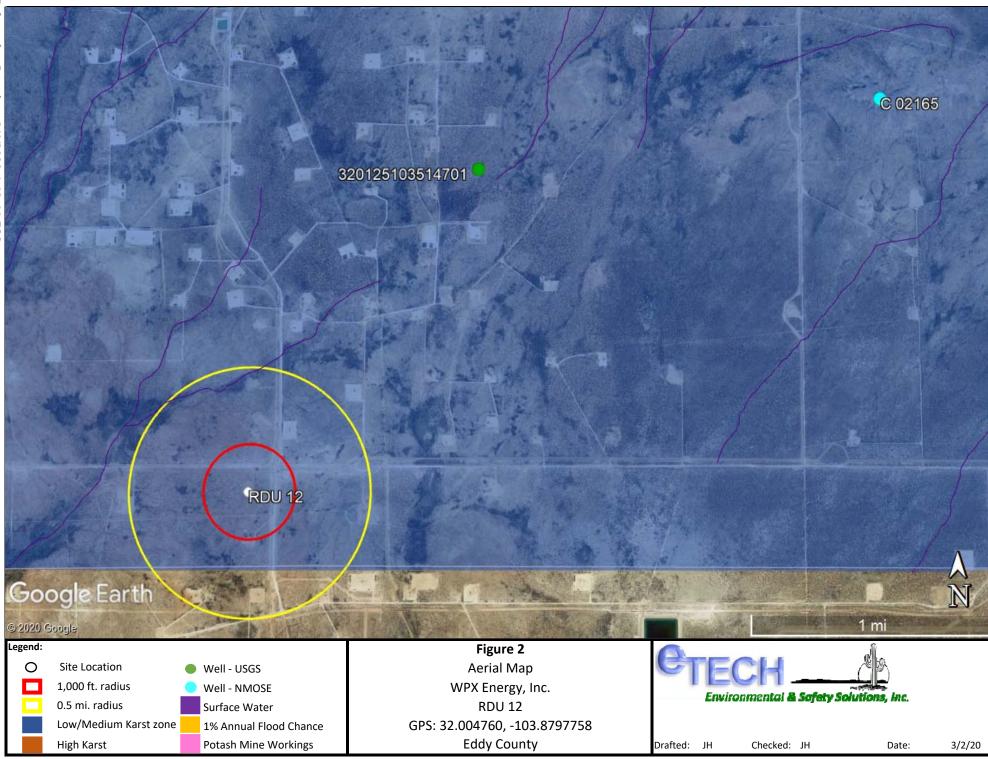
Figure 1 Topographic Map



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Figure 2 Aerial Proximity Map

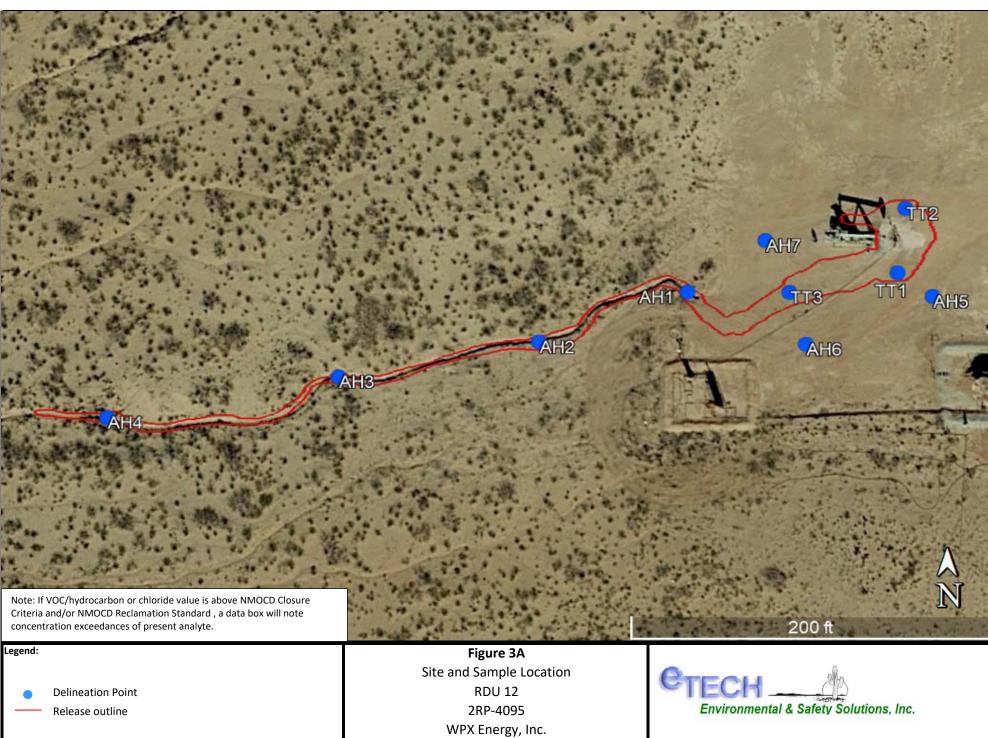


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Figure 3 Site and Sample Location Map



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GPS: 31.004760, -103.879775

Drafted: JH

Checked: JH

2/28/20

Date:

eceived by OCD: 9/5/2023 9:23:35 AM

Table 1Concentrations of BTEX, TPH, and/or Chloride in Soil

| | | | TAB | LE 1 | | | |
|------|--------|-----------|----------|------------|----------|------------|------|
| CONC | ENTRAT | IONS OF E | BENZENE, | BTEX TPH | AND CHLC | ORIDE IN S | SOIL |
| | | | WPX Ene | ergy, Inc. | | | |
| | | | ROSS D | RAW 12 | | | |
| | | | 2RP- | 2211 | | | |
| | | SW 846 | 5 8026B | | SW | 846 8015M | Ext. |
| | | | | | | | |

| | | | | | WPX Ene | | | | | | |
|-----------|--------------------|-------|----------------|--------------------|-----------------|---|--|---|--|---|---------------------|
| | | | | | | RAW 12 | | | | | |
| | 1 | | | | 2RP- | 2211 | | | | | |
| | | | | SW 846 | 5 8026B | | SM | 846 8015M | Ext. | | 300.0 Cl |
| Sample ID | Date | Depth | Soil Status | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| TT 1 | 1/22/2020 | 2' | In-situ | ND | ND | ND | ND | ND | ND | ND | ND |
| TT 1 | 1/22/2020 | 4' | In-situ | ND | ND | ND | ND | ND | ND | ND | ND |
| TT 2 | 1/22/2020 | 2' | In-situ | ND | ND | ND | ND | ND | ND | ND | ND |
| TT 2 | 1/22/2020 | 4' | In-situ | ND | ND | ND | ND | ND | ND | ND | ND |
| AH 1 | 1/23/2020 | 2' | In-situ | ND | ND | ND | ND | ND | ND | ND | 5,310 |
| AH 1 | 1/23/2020 | 4' | In-situ | ND | ND | ND | ND | ND | ND | ND | 1,970 |
| AH 1 | 2/25/2020 | 6' | In-situ | ND | ND | ND | ND | ND | ND | ND | 153 |
| AH 2 | 2/25/2020 | 2' | In-situ | ND | ND | ND | ND | ND | ND | ND | 166 |
| AH 2 | 2/25/2020 | 4' | In-situ | ND | ND | ND | ND | ND | ND | ND | ND |
| AH 3 | 2/25/2020 | 2' | In-situ | ND | ND | ND | ND | ND | ND | ND | 156 |
| AH 3 | 2/25/2020 | 4' | In-situ | ND | ND | ND | ND | ND | ND | ND | 129 |
| AH 4 | 2/25/2020 | 2' | In-situ | ND | ND | ND | ND | ND | ND | ND | ND |
| AH 4 | 2/25/2020 | 4' | In-situ | ND | ND | ND | ND | ND | ND | ND | 165 |
| (| <u>Closure Cri</u> | teria | | 10 | 50 | - | - | 1,000 | - | 2,500 | 20,000 |
| NOTES: | | | | | | | | | | | |

NOTES:

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- = feet

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

ND text denotes non-detectable concentrations

.

| | | CONC | ENTRAT | IONS OF E | BENZENE, WPX Ene RDU | | AND CHL | ORIDE IN S | SOIL | | |
|-----------|--------------|-------|----------------|------------------------------|----------------------------|---|--|--|--|---|---------------------------------|
| Sample ID | Date | Depth | Soil Status | SW 846 Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | SV DRO C ₁₀ -C ₂₈ (mg/kg) | / 846 8015M GRO + DRO C ₆ -C ₂₈ (mg/kg) | Ext. ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | 300.0 Cl Chloride (mg/kg) |
| TT 1 | 1/22/2020 | 2' | In-situ | ND | ND | ND | ND | ND | ND | ND | 1,360 |
| TT 1 | 1/22/2020 | 12' | In-situ | ND | ND | ND | ND | ND | ND | ND | ND |
| TT 2 | 1/23/2020 | 2' | In-situ | ND | ND | ND | ND | ND | ND | ND | 36.0 |
| TT 2 | 1/23/2020 | 4' | In-situ | ND | ND | ND | ND | ND | ND | ND | 108 |
| TT 3 | 1/23/2020 | 2' | In-situ | ND | ND | ND | ND | ND | ND | ND | 891 |
| TT 3 | 1/23/2020 | 4' | In-situ | ND | ND | ND | ND | ND | ND | ND | ND |
| AH 1 | 1/23/2020 | 2' | In-situ | ND | ND | ND | ND | ND | ND | ND | 222 |
| AH 1 | 1/23/2020 | 4' | In-situ | ND | ND | ND | ND | ND | ND | ND | 302 |
| AH 2 | 1/23/2020 | 2' | In-situ | ND | ND | ND | ND | ND | ND | ND | ND |
| AH 2 | 1/23/2020 | 4' | In-situ | ND | ND | ND | ND | ND | ND | ND | ND |
| AH 3 | 1/23/2020 | 2' | In-situ | ND | ND | ND | ND | ND | ND | ND | ND |
| AH 3 | 1/23/2020 | 4' | In-situ | ND | ND | ND | ND | ND | ND | ND | ND |
| AH 4 | 1/23/2020 | 2' | In-situ | ND | ND | ND | ND | ND | ND | ND | ND |
| AH 4 | 1/23/2020 | 4' | In-situ | ND | ND | ND | ND | ND | ND | ND | ND |
| AH 5 | 2/25/2020 | 2' | In-situ | ND | ND | ND | ND | ND | ND | ND | ND |
| AH 5 | 2/25/2020 | 4' | In-situ | ND | ND | ND | ND | ND | ND | ND | 178 |
| AH 6 | 2/25/2020 | 2' | In-situ | ND | ND | ND | ND | ND | ND | ND | 173 |
| AH 6 | 2/25/2020 | 4' | In-situ | ND | ND | ND | ND | ND | ND | ND | 155 |
| AH 7 | 2/25/2020 | 2' | In-situ | ND | ND | ND | ND | ND | ND | ND | 212 |
| AH 7 | 2/25/2020 | 4' | In-situ | ND | ND | ND | ND | ND | ND | ND | 142 |
| (| Closure Crit | teria | | 10 | 50 | - | - | 1,000 | - | 2,500 | 20,000 |

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NOTES:

- = feet

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

ND text denotes non-detectable concentrations

Appendix A Depth to Groundwater Information



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National Water Information System: Web Interface
USGS Water Resources

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 Geographic Area:

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 V
 United States
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Reselect period

Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 320125103514701

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320125103514701 26S.30E.22.44124

Eddy County, New Mexico Latitude 32°01'25", Longitude 103°51'47" NAD27 Land-surface elevation 3,044 feet above NGVD29

Output formats

Table of data Tab-separated data Graph of data

? Water Water level, 2 level, ? ? ? Waterfeet Referenced ? feet Time Date level above vertical Water-Measuring Method of Source of below datespecific datum level Status land measurement agency measurem vertical time accuracy surface datum accuracy 117.03 2 s 1987-10-21 D

| | | Explanation |
|--------------------------------|------|--|
| Section | Code | Description |
| Water-level date-time accuracy | D | Date is accurate to the Day |
| Water-level accuracy | 2 | Water level accuracy to nearest hundredth of a foot |
| Status | | The reported water-level measurement represents a static level |
| Method of measurement | S | Steel-tape measurement. |
| Measuring agency | | Not determined |
| Source of measurement | U | Source is unknown. |
| Water-level approval status | А | Approved for publication Processing and review completed. |

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U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team Page Last Modified: 2020-03-02 09:57:48 EST 0.28 0.26 nadww01



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

 Data Category:
 Geographic Area:

 Groundwater
 United States
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Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs site_no list = • 320125103514701

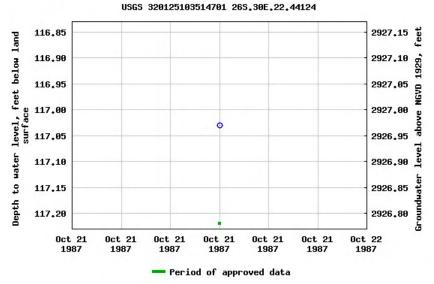
Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320125103514701 26S.30E.22.44124

Available data for this site Groundwater: Field measurements Eddy County, New Mexico Hydrologic Unit Code 13070001 Latitude 32°01'25", Longitude 103°51'47" NAD27 Land-surface elevation 3,044 feet above NGVD29 Output formats

| Table of data |
|--------------------|
| Tab-separated data |
| Graph of data |
| Reselect period |



Breaks in the plot represent a gap of at least one year between field measurements. Download a presentation-quality graph

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U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team Page Last Modified: 2020-03-02 09:55:57 EST 0.66 0.55 nadww01



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New Mexico Office of the State Engineer Water Column/Average Depth to Water

| (A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) | (R=POD been rep O=orpha C=the fil closed) | laced, med, | | | | | | | ' 2=NE st to lar | 3=SW 4=SE rgest) (N |) IAD83 UTM in n | neters) | (In : | feet) | |
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| <u>C 02165</u> | | С | ED | | | | 24 | 26S | 30E | 610036 | 3544121* 🧉 | 4967 | 440 | 180 | 260 |
| <u>C 02038</u> | | С | ED | 3 | 2 | 4 | 26 | 26S | 29E | 599204 | 3541992* 🌍 | 6622 | 200 | | |
| <u>C 03483</u> | | С | ED | 4 | 4 | 4 | 05 | 26S | 30E | 604296 | 3548251 🌍 | 6907 | 700 | 200 | 500 |
| <u>C 03581 POD1</u> | | CUB | ED | 4 | 4 | 4 | 05 | 26S | 30E | 604298 | 3548291 🌍 | 6946 | 800 | 320 | 480 |
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| <u>C 01360</u> | | CUB | ED | 4 | 3 | 3 | 05 | 26S | 30E | 602997 | 3548152 🌍 | 7211 | 770 | 173 | 597 |
| <u>C 01354 X-3</u> | | CUB | ED | 2 | 1 | 3 | 23 | 26S | 29E | 598323 | 3543837 🌍 | 7838 | 170 | | |
| <u>C 03605 POD1</u> | | CUB | ED | 4 | 2 | 3 | 27 | 26S | 29E | 596990 | 3541983 🌍 | 8831 | 45 | 0 | 45 |
| <u>C 02248</u> | | CUB | ED | 1 | 2 | 3 | 08 | 26S | 31E | 612942 | 3547316* 🌍 | 9196 | 300 | 292 | 8 |
| <u>C 02249</u> | | CUB | ED | 1 | 2 | 3 | 08 | 26S | 31E | 612942 | 3547316* 🌍 | 9196 | 300 | 292 | 8 |
| <u>C 01777</u> | | С | ED | | | | 08 | 26S | 31E | 613245 | 3547409* 🌍 | 9490 | 325 | 300 | 25 |
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Record Count: 12

UTMNAD83 Radius Search (in meters):

Easting (X): 605808.6733984414

Northing (Y): 3541511.5491144983

Radius: 10000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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WATER RIGHT SUMMARY

Appendix B Field Data and Soil Profile Logs



| Sam | ple | Log |
|-----|-----|-----|
| | | |

| Enviro | nmental & Safety | Solutions, Inc. | | | | Date: | Jun 23, 2020 |
|-----------|------------------|-----------------|------------------|-----------|----------------|------------|------------------------|
| Project: | RDU | 12 (2RP-2211, 2 | DD 4005) | | | Date: | Jan 23, 2020 |
| Project N | umber: | 11 (2KP-2211, 1 | 2RP-4095) 755 | Latitude: | 32.00476033 | Longitude: | -103.8797759 |
| | | | | | 02.00470000 | | 100.0707700 |
| | Sample | | PID/Odor | | Chloride Conc. | | GPS |
| TT | CI | @ 3:10 pm | 1.7 none | 4.0 | 5 | 80 | 32.004571 -103.879486 |
| | 2' | | opnone | 3.8 | 1 | 528 | |
| TT | 4' | @ 3:20 pm | e ' 1' | 1.2 | | 108 | |
| TT 2 | e l' | @ 3:30 pm | 2.0 / none | 4.2 | | -32 | 32.004572, -103.879565 |
| | 2' | @ 3:45 pm | | 4.0 | | 50 | |
| 111 | 4' | @ 3:50 pm | a 10 | 1.8 | | 32 | |
| AHI_ | e i | @ 1:00 pm | 1.3/ NOME | 7.6 | | .076 | 32.004553,-103.879662 |
| | - 2' | @ lilf pm | of none | 6.6 | | ,488 | |
| | 4' | @ 1:30 pm | 1.7 / none | 7.0 | | | * Auger max depts |
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Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ## Refusal = SP #1 @ 4'-R

Resamples= SP #1 @ 5b or SW #1b

Floor = FL #1 etc Sidewall = SW #1 etc

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

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| Environmental & | Safety Solutions, Inc. | | | Soil Prot | | |
|-----------------|------------------------|--|--|---|--|--------------|
| Project: | RDU 12 (2 | PD 22111 | | | Date: Jor | 22-23,2020 |
| Project Number | r: | 11755 | Latitude: | 32.00476033 | Longitude: | -103.8797759 |
| Depth (ft. bgs) | | | | Des | cription | |
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| Sample Log Date: Z.25.4.0 Project: RDU 12 (2RP-2211) Project: Introduction of the second sec | етеси | a | 4 | | | | | | |
|---|------------------|---------------|---------|------------|-------------|-----------------|-----------|------------|-------------------------------|
| Project: RDU 12 (2RP-2211) Date: $Z \cdot 25 \cdot 2.6$ Project Number: 11755 Latitude: 32.00476033 Longitude: -103.8797759 Sample ID PID/Odor Chloride Conc. GPS $AH 2Q$ I' $3:2_{2:n}$ $0hout$ $2.2 \rightarrow$ 220 $32.0047631, -103.874777, -103.8747, -103.874777, -103.874777, -103.8747, -103.874777, -103.874777, -103.8747, -103.874777, -103.8746, -103.8746, -103.87$ | | fety Solution | E Inc. | | | Sa | mple Lo | g | |
| Project Number: 11755 Latitude: 32.00476033 Longitude: -103.8797759 Sample ID PID/Odor Chloride Conc. GPS AH Z Q 1' 3:20 m 0/ how 2.Z → 2.ZO 32.004637, -103.8797759 3' 3:30 pm 1' 1/2 → 1/24 AH 3 Q 1' 3:32 pm 1' 1/2 → 1/24 AH 3 Q 1' 3:32 pm 1' 1/2 → 1/24 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/24 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/24 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/24 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/24 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/24 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/24 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/24 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/24 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/24 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/24 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/24 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/24 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/24 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/24 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/24 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/24 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/24 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/24 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/2 4 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/2 4 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/2 4 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/2 4 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/2 4 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/2 4 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/2 4 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/2 4 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/2 4 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/2 4 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/2 4 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/2 4 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/2 4 AH 4 Q 1' 4:10 pm 1' 1/2 → 1/2 4 AH 4 1 Q 1/2 4 → 1/2 4 AH 4 1 Q 1/2 4:10 pm 1' 1/2 → 1/2 4 AH 4 1 Q 1/2 4:10 pm 1' 1/2 → 1/2 4 AH 4 1 Q 1/2 4:10 pm 1' 1/2 → 1/2 4 AH 4 1 Q 1/2 4:10 pm 1' 1/2 → 1/2 4 AH 4 1 Q 1/2 4:10 pm 1' 1/2 → 1/2 4 AH 4 1 Q 1/2 4:10 pm 1' 1/2 → 1/2 4 AH 4 1 Q 1/2 4:10 pm 1' 1/2 → 1/2 4 AH 4 1 Q 1/2 4:10 pm 1' 1/2 → 1/2 4 AH 4 1 Q 1/2 4:10 pm 1' 1/2 → 1/2 4 AH 4 1 Q 1/2 4:10 pm 1' 1/2 → 1/2 4 AH 4 1 Q 1/2 4:10 pm 1' 1/2 → 1/2 4 AH 4 1 Q 1/2 4:10 pm 1' 1/2 → 1/2 4 AH 4 1 Q 1/2 4:10 pm 1' 1/2 → 1/2 4 AH 4 1 Q 1/2 4:10 pm 1' 1/2 → 1/2 4 AH 4 1 Q 1/2 4:10 pm 1' 1/2 → 1/2 4 AH 4 1 Q 1/2 4:10 pm 1' 1/2 → 1/2 4 AH 4 1 Q 1/2 4:10 pm 1' 1/2 → 1/2 4 AH 4 1 Q 1/2 4:10 pm 1' 1/2 → 1/2 4 AH 4 1 Q 1/2 4:10 pm 1' 1 | | | | | | | | Date: | 2.25.20 |
| Sample ID PID/Odor Chloride Conc. GPS $AH 2Q$ I' $3!2pm$ $qhoote$ $2!Z$ \rightarrow $2!O 04(31) - 103.874 C T T$ $3'$ $3!2pm$ $Qhoote$ $I.C.R$ | | RDU | | | | | | | |
| AH 2Q // 3:20m Ohnow CLONDRE CONC. GPS 2' 3:20m Ohnow 2:2 32:004(31, -103.87467) 3' 3:20m O/now 1:6 HB 3' 3:20m O/now 1:4 124 H3.Q 1' 3:20m O/now 1:4 124 AH 3.Q 1' 3:20m 0/now 1:8 | | | 11 | /55 | Latitude: | 32.0047 | 76033 | Longitude: | -103.8797759 |
| AH 2(2 1' 3:20 m 0 hose 2:2 3:20 3:20 3:20 3:374671 2' 3:25 pr 0 / hose 1:6 H3 1:4 H3 4' 3':3:20 pr 0 / hose 1:4 H24 H3 AH 3 0 1':3:50 pr 0 / hose 1:4 H24 AH 3 0 1':3:50 pr 0 / hose 1:4 H3 1:4 H3 2' 4:10 pr '' 1:0 2:124 1:4 1:4 1:4 4' 4':50 pr 0 / hose 1:2 4:124 3:2.004950, -103:8790442 2' 4:10 pr '' 1:0 2:0 1:4 3:2.004950, -103:8790442 2' 4:2 pr 1:1 0 2:0 1:4 3:2.004950, -103:8790442 2' 4:3 frager '' 1:0 2:0 1:4 3:2.004950, -103:8790442 3' 4:3 frager '' 1:0 2:0 1:10 1:0 1:0 4H 4' 9:10 frager 1:0 2:0 1:10 1:2 frager 1:0 | Sam | ple ID | | PID/Odor | | Chloride | Conc | | CDC |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | AHZQ | /' | 3:20 pm | | 7.1 | | | 0 | |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | | 2' | | | | | | | 52.004637, -103. 574674 |
| $AH : 3 (P \otimes m)$ $P \otimes T_1 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $AH : 3 (P \otimes m)$ $P \otimes T_1 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $2' : 4' : 0 \otimes m : 1' : 1' : 0 \longrightarrow 2(124)$ $P \otimes T_2 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $AH : 4 (P \otimes T \otimes m)$ $P \otimes T_2 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $AH : 4 (P \otimes T \otimes m)$ $P \otimes T_2 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $2' : 4' : 5 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $3' : 4' : 5 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $4' : 4' : 4' : 5 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $4' : 4' : 4' : 5 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $P \otimes T_2 (P \otimes m)$ $AH : 1 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0$ | | | | | | \rightarrow | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | AHIO | 4. | 3:40 pm | n' 11 | 1.0 | | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | MIS O | | 1 | | 1.8 | \rightarrow | | | 32.004560, -103 879742 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | 2' | / | | 1.4 | -> | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | 3' | / | | 1.0 | \rightarrow | 6124 | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | AH4 Q | 7. | , | | | \rightarrow | | | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | 71 | , | | | - | | | 32.004450, -103.879646 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | 4:30 pm | | | | | | |
| AH / Q G' 5:65pr 0/none //4 J /2.4 Image: Strain S | | | | | | | | | |
| J J J J J J Image: Second | AHIP | | | | | | | | |
| Floor = FL #1 etc Refusal = SP #1 @ 4'-R Resamples= SP #1 @ 5b or SW #1b Sidewall = SW #1 etc Soil Intended to be Deferred _ CD #4 - CD Stockpile = Stockpile #1 | e | | | <i>c/1</i> | 117 | | 129 | | |
| Floor = FL #1 etc Refusal = SP #1 @ 4'-R Resamples= SP #1 @ 5b or SW #1b Sidewall = SW #1 etc Soil Intended to be Deferred _ CD #4 - CD Stockpile = Stockpile #1 | | | | | | | | | |
| Floor = FL #1 etc Refusal = SP #1 @ 4'-R Resamples= SP #1 @ 5b or SW #1b Sidewall = SW #1 etc Soil Intended to be Deferred _ CD #4 - CD Stockpile = Stockpile #1 | | | | | | | | | |
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| Floor = FL #1 etc Refusal = SP #1 @ 4'-R Resamples= SP #1 @ 5b or SW #1b Sidewall = SW #1 etc Soil Intended to be Deformed = CP #4 @ PH #4 Stockpile = Stockpile #1 | | | | | | | | | |
| Floor = FL #1 etc Refusal = SP #1 @ 4'-R Resamples= SP #1 @ 5b or SW #1b Sidewall = SW #1 etc Soil Intended to be Deformed = CP #4 @ PH #4 Stockpile = Stockpile #1 | | | | | | | | | |
| Floor = FL #1 etc Refusal = SP #1 @ 4'-R Resamples= SP #1 @ 5b or SW #1b Sidewall = SW #1 etc Soil Intended to be Deformed = CP #4 @ PH #4 Stockpile = Stockpile #1 | | | | | | | | | |
| Floor = FL #1 etc Refusal = SP #1 @ 4'-R Resamples= SP #1 @ 5b or SW #1b Sidewall = SW #1 etc Soil Intended to be Deferred _ CD #4 - CD Stockpile = Stockpile #1 | | | | | | | | | |
| Floor = FL #1 etc Refusal = SP #1 @ 4'-R Resamples= SP #1 @ 5b or SW #1b Sidewall = SW #1 etc Soil Intended to be Deferred = CP #2 @ 50 #2 Stockpile = Stockpile #1 | | | | | | | | | |
| Floor = FL #1 etc Refusal = SP #1 @ 4'-R Resamples= SP #1 @ 5b or SW #1b Sidewall = SW #1 etc Soil Intended to be Deferred = CP #2 @ 50 #2 Stockpile = Stockpile #1 | | | | | | | | | |
| Floor = FL #1 etc Refusal = SP #1 @ 4'-R Resamples= SP #1 @ 5b or SW #1b Sidewall = SW #1 etc Soil Intended to be Deferred _ CD #4 - CD Stockpile = Stockpile #1 | | | | | | | | | |
| Floor = FL #1 etc Refusal = SP #1 @ 4'-R Resamples= SP #1 @ 5b or SW #1b Sidewall = SW #1 etc Soil Intended to be Deferred _ CD #4 - CD Stockpile = Stockpile #1 | | | | | | | | | |
| Floor = FL #1 etc Refusal = SP #1 @ 4'-R Resamples= SP #1 @ 5b or SW #1b Sidewall = SW #1 etc Soil Intended to be Deferred _ CD #4 - CD Stockpile = Stockpile #1 | | | | | | | | | |
| Floor = FL #1 etc Refusal = SP #1 @ 4'-R Resamples= SP #1 @ 5b or SW #1b Sidewall = SW #1 etc Soil Intended to be Deferred _ CD #4 - CD Stockpile = Stockpile #1 | | | | | | | | | |
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| Floor = FL #1 etc Refusal = SP #1 @ 4'-R Resamples= SP #1 @ 5b or SW #1b Sidewall = SW #1 etc Soil Intended to be Deferred _ CD #4 - CD Stockpile = Stockpile #1 | | | | | | | | | |
| Floor = FL #1 etc Refusal = SP #1 @ 4'-R Resamples= SP #1 @ 5b or SW #1b Sidewall = SW #1 etc Soil Intended to be Deferred _ CD #4 - CD Stockpile = Stockpile #1 | | | | | | | | | |
| Floor = FL #1 etc Refusal = SP #1 @ 4'-R Stockpile = Stockpile #1 Sidewall = SW #1 etc Soil Intended to be Deformed = CP #1 @ 7 # # 0 # 0 | Sample Point = S | P #1 @ ## | # etc | | | Test Trench = T | T #1 @ ## | | Personal and an and an and an |
| Sidewall = SW #1 etc Soil Intended to be Deferred - CD #4 - CD | | | | | | | | | |
| | Sidewall = S | W #1 etc | | | Soil Intend | | | l' In-Situ | |

| TECH |) | Soil Profile | | | | | | | | | |
|-----------------------------------|--|--|---|--|--|--|--|--|--|--|--|
| Environmental & Safety Solutions, | | | | Date: | 05.52.20 | | | | | | |
| ject: RDU ject Number: | 12 (2RP-2211) | | 22.00476022 | | 400 0707750 | | | | | | |
| - | 11755 | Latitude: | 32.00476033 | Longitude: | -103.8797759 | | | | | | |
| th (ft. bgs) | | | Des | cription | | | | | | | |
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| Sam | ple | Log |
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| Safety Solutions, Inc. | | T == 22 2070 |
|--------------------------------------|----------------------|-------------------------|
| Project: RDU 12 (200 2211 (200 1005) | | Date: Jun 22-23, 2020 |
| Project Number | atitude: 32.00476033 | Longitude: -103.8797759 |
| | | |
| Sample ID PID/Odor | Chloride Conc. | GPS |
| TTI @ 1'@ 1:35 pm 10.0/mild | 7.2 1,812 | 32.004723, -103.879 774 |
| | 4.6 744 | |
| 4' @ 1:50 pm 40.0/mild | 5.4 996 | |
| 6' @ 1:55 pm 20.5/mild | 6.8 1,598 | |
| B' 10 2:00 pm 30.0 [mild ~ | 4.8 804 | |
| 10 10 2:15 pm 5.4 / mild | 5.0 864 | |
| 12' @ 2:20 pm 0.1/ none | 1.0 2108 | |
| TTZ @ 1' @ 10:30 am 2.0 / Rome | 5.6 1,068 | 32.004828,-103.879758 |
| 2' @ 10:45 am 0 / none 4 | 744 | , |
| 41 @ 10:50 am " " 2 | 2.0 164 | |
| JT3 @ 1' @ 11:00 am 1.3/ nove 6 | .2 1,304 | 37.004690, -103.879971 |
| | .0 1,220 | |
| 4' @ 11:20 am 1' " 1. | .4 6108 | |
| AHI @ 1' @ 11: STam O/none 3. | .0 348 | 32.004691, -103.880156 |
| 2' @ 12:00pm " " 1. | 8 132 | |
| | 2 < 108 | |
| AHZ @ 1' @ 12:07 pm 0/ nome Z. | 4 232 | 32.004609, -107.880425 |
| 2' 0 12:10pm " " 1.1 | 0 <109 | |
| 4' @ 12'5 pm " " 0." | 8 | |
| +1+3 @ 1' @ 12:12 pm 0/ mone 2. | 0 164 | 32.004552, -107.880790 |
| 2' @ 12:20 pm " " 1. | 6 108 | |
| 4' @ 12:25 pm " " 1. | 0 <108 | |
| H 4 @ 1' @ 12:27 pm o/ none -1.9 | 8 /32 | 32.004484, -103.081212 |
| 2' @ 12:20 00 11 11 0.1 | | |
| 4'@ 12:35 pm " " 0. | 6 4105 | |
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Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

Resamples= SP #1 @ 5b or SW #1b

Floor = FL #1 etc

Sidewall = SW #1 etc

Refusal = SP #1 @ 4'-R Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Stockpile = Stockpile #1 GPS Sample Points, Center of Comp Area -

| nmental & Safety Solutions, Inc. | Soil Profile | |
|----------------------------------|---|-------|
| RDU 12 | (2RP-4095) Date: Jun 22-23-20 | 020 |
| lumber: | 11755 Latitude: 32.00476033 Longitude: -103.87 | 07750 |
| bgs) | | 1133 |
| ogs) | Description | |
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Sample Log

| Project: RDU 1 | 2 (2RP-4095) | | | Date: | 2.22.20 |
|-------------------------------|--------------|-----------|--------------------|------------------|------------------------|
| Project Number: | 11755 | Latitude: | 32.00476 | 033 Longitude: | -103.8797759 |
| Sample ID | PID/Odor | | Chloride C | ionc. | GPS |
| AH 5 @ 1:55pm | 1 1.6 / mone | 2.2 | \rightarrow | ZZD | |
| 2:00 pm | 2' Lo Inone | 1.8 | | | 32.004674, -103.879735 |
| | 3' " " | 1.0 | | 168 | |
| 2:15pm | 41 of none | ~].0 | | <124 | |
| | 1' 2.7/mone | 1.6 | | <u> <124</u> | 27 (1)1-27 |
| | 2' 1.3/ none | 1.0 | | 148 | 37.004593, -107.979937 |
| 2:55pm 3 | ' o Inone | ~1.0 | | <124 | |
| | 11 11 11 | 11 11 | | 2124 | |
| AH7 @ 2:50pm 1 | 1 of none | ~2.4 | | <124 | 29 20/10/00 |
| 3:00pm 2 | n u | 1.2 | | | 37.004753, -103.880030 |
| 3:10pm 3 | | 1.6 | | <u> < 124</u> | |
| 3: 15 pm 4 | | 1.0 | | 148 | |
| | | 1.0 | | <124 | |
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| | | | | | |
| Sample Point = SP #1 @ ## etc | | | Test Trench = TT # | 1@## | Poromalos CD #1 O FL |

Floor = FL #1 etc Sidewall = SW #1 etc Test Trench = TT #1 @ ##

Resamples= SP #1 @ 5b or SW #1b

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

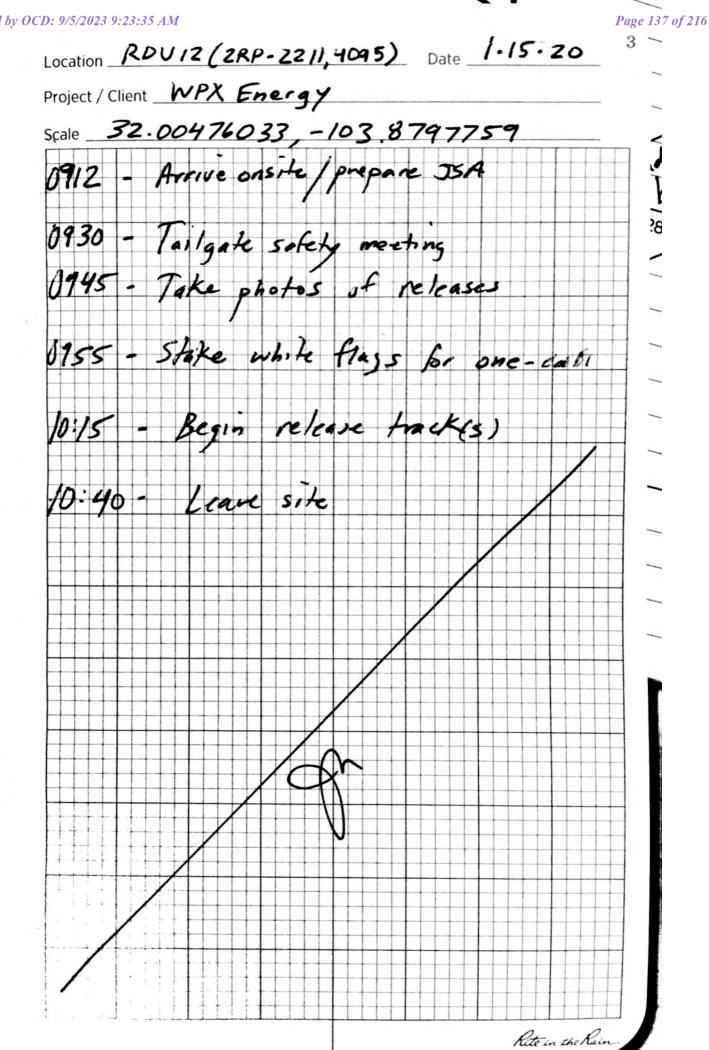
Soil Intended to be Deferred = SP #1 @ 4' In-Situ

GPS Sample Points, Center of Comp Areas

Received by OCD: 9/5/2023 9:23:35 AM

| Environmental & Safety Solution | s, m. | | | Date: | 05.25.5 | |
|---------------------------------|---------------------|--|--|---|---------------------------------------|----|
| ject: RDU | J 12 (2RP-4095) | | | | 0.01.01 | |
| ject Number: | 11755 | Latitude: | 32.00476033 | Longitude: | -103.879775 | 59 |
| th (ft. bgs) | | | Des | cription | | |
| 1 | light | med dk brown | | | | |
| 2 | | IK frown silly | | | | |
| 3 | med | lown alles | ad, call the in p | art. | | |
| 4 | | rown silty sa | | | | |
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Released to Imaging: 9/6/2023 4:19:11 PM

Scanned with CamScanner

Received by (CD1 2/5/2023 9:23:35 AMDU 12 Location KDU 12 Date 1.22.20 Page 138 of 216 Project / Client 28P-4095 / 28P-2211 (WPX) 32.00476033, -103.8797759 1:20 pm - Onsite w/ Kemp (operator) prepare JSA, conduct tailgate Safety meeting, calibrate Pio 1:25pm - Site Walkthrough, confirm ut, 1,2 locates: Yellow flags down 1:27pm - Began delineation activities for ZRP- 4075 2:30pm - Call Delaware Basin to schedule line remark to confirm subsurface gas line . (nest of pad from meter 2:45 pm - Prep for delineation activities (ZRP-2211) inside funk battery 3: DOpm - Utilize backhoe to potnole oner fonce. 3:05 pm - Begin delineation activities for (-2211) 4:15pm - Finish, load equipment 4:30pm - offsite na

Page 139 of 216 1.23.20 Date (WPA) Project / Client 2RP-4095 /2RP-2211 32.004760332, - 103. 879775899 10:15 am - Confirmed w/ Delaware Basin, site has been remarked, can cont. to delinate on pad. 10:20 an- prop JSA - tailgate solely meeting w/ homp. Inte equipment, calibrate ISA PID 10:25 am - Continue delinenting 228- 4075 11: 45 am - Instand, borness in pasture / wash 12:35 pm - Finish boring + for 2RP-4095 1:00 pm Install augerhole inside tank hatting inaccessible N/ equipment for - 2211. 1:45 pm - Finish delineation activities 2:30 pn- load equipment 3:00 pm - offite to robmit samples. * reference Sample map/log for Scheding

Received by OCD: 9/5/2023 9:23:35 AM 26 Page 140 of 216 Location RDV12 (2RP-2211, 4095) Date 2/25/20 Project / Client WPX Energy 1:00 pm - Onsite, JSA prep, tailgate safety meeting, Calibrate PiD, prep screening Cquipment 1:30 pm - Begin doliniating /cont.) 2211 & 4095 1:30 pm-5:30 pm - Finish delineating site / screeining Begin jaring samples to take to lab 5:50 pm - Offsite

Appendix C Laboratory Analytical Reports

Received by OCD: 9/5/2023 9:23:35 AM



Analytical Report

Report Summary

Client: WPX (Carlsbad)

Samples Received: 1/24/2020 Job Number: 04108-0639 Work Order: P001079 Project Name/Location: RDU 12 (2RP-2211)

Walter Hinkow

Date: 1/30/20

Walter Hinchman, Laboratory Director



Report Reviewed By:

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted 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 NM009792018-1 for the data reported. Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

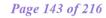
Ph (505) 632-0615 Fx (505) 632-1865

5796 Highway 64, Farmington, NM 87401

24 Hour Emergency Response Phone (800) 362-1879

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| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-2211) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Lynda Laumbach | 01/30/20 16:46 |

Analytical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| TT2 @ 2' | P001079-01A | Soil | 01/22/20 | 01/24/20 | Glass Jar, 4 oz. |
| TT2 @ 4' | P001079-02A | Soil | 01/22/20 | 01/24/20 | Glass Jar, 4 oz. |
| TT1 @ 2' | P001079-03A | Soil | 01/22/20 | 01/24/20 | Glass Jar, 4 oz. |
| TT1 @ 4' | P001079-04A | Soil | 01/22/20 | 01/24/20 | Glass Jar, 4 oz. |
| AH1 @ 2' | P001079-05A | Soil | 01/23/20 | 01/24/20 | Glass Jar, 4 oz. |
| AH1 @ 4' | P001079-06A | Soil | 01/23/20 | 01/24/20 | Glass Jar, 4 oz. |

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| e | envirotech Analytical Laboratory |
|---|-------------------------------------|
| | |

| WPX (Carlsbad) | Projec | t Name: | RDU 12 (2RP-221 | | .11) | | | | |
|---|--------|------------|-----------------|-------------|---------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Projec | t Number: | 04108-0639 | | | | | Reported: | |
| Carlsbad NM, 88220 | Projec | t Manager: | Lynd | la Laumbach | h | | | 01/30/20 16:46 | |
| | | Т | T2 @ 2' | | | | | | |
| | | P0010 | 79-01 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 100 % | 50 | -150 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/O | RO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005001 | 01/27/20 | 01/27/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005001 | 01/27/20 | 01/27/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 90.0 % | 50 | -200 | 2005001 | 01/27/20 | 01/27/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 88.5 % | 50 | -150 | 2005010 | 01/27/20 | 01/29/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | ND | 100 | mg/kg | 5 | 2005019 | 01/28/20 | 01/29/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Project | Name: | RDU 12 (2RP-221 | | 11) | | | | |
|---|------------------|-----------|-----------------|------------|---------|----------------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project | Number: | 0410 | 8-0639 | | | | Reported: | |
| Carlsbad NM, 88220 | Project Manager: | | Lynd | a Laumbach | | 01/30/20 16:46 | | | |
| | | Т | T2 @ 4' | | | | | | |
| | | | 79-02 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 101 % | 50- | -150 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/ | ORO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005001 | 01/27/20 | 01/27/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005001 | 01/27/20 | 01/27/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 101 % | 50- | -200 | 2005001 | 01/27/20 | 01/27/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 88.6% | 50- | -150 | 2005010 | 01/27/20 | 01/29/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | ND | 100 | mg/kg | 5 | 2005019 | 01/28/20 | 01/29/20 | EPA 300.0/9056A | |

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|---|-----------------------|
| | Analytical Laboratory |

| WPX (Carlsbad) | Projec | t Name: | RDU | 12 (2RP-22 | .11) | | | | | |
|--|---------------------------------|-----------|-----------|------------|-----------|----------|----------|--------------------|-------|--|
| 5315 Buena Vista Dr | 5 | t Number: | 0410 | 8-0639 | Reported: | | | | | |
| Carlsbad NM, 88220 | Project Manager: Lynda Laumbach | | | | | | | 01/30/20 16:46 | | |
| | | T | T1 @ 2' | | | | | | | |
| | | | 79-03 (So | olid) | | | | | | |
| | | Reporting | | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes | |
| Volatile Organics by EPA 8021 | | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 100 % | 50 | -150 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | | |
| Nonhalogenated Organics by 8015 - DRO/OR | 0 | | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005001 | 01/27/20 | 01/27/20 | EPA 8015D | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005001 | 01/27/20 | 01/27/20 | EPA 8015D | | |
| Surrogate: n-Nonane | | 87.9 % | 50 | -200 | 2005001 | 01/27/20 | 01/27/20 | EPA 8015D | | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8015D | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 88.3 % | 50 | -150 | 2005010 | 01/27/20 | 01/29/20 | EPA 8015D | | |
| Anions by 300.0/9056A | | | | | | | | | | |
| Chloride | ND | 100 | mg/kg | 5 | 2005019 | 01/28/20 | 01/29/20 | EPA 300.0/9056A | | |

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| WPX (Carlsbad) | Project | t Name: | RDU 12 (2RP-221 | | .11) | | | | |
|---|------------------|-----------|-----------------|------------|---------|----------------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project | t Number: | 0410 | 8-0639 | | | | Reported: | |
| Carlsbad NM, 88220 | Project Manager: | | Lynd | a Laumbach | | 01/30/20 16:46 | | | |
| | | Т | T1 @ 4' | | | | | | |
| | | | 79-04 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 102 % | 50 | -150 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/O | RO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005001 | 01/27/20 | 01/27/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005001 | 01/27/20 | 01/27/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 93.5 % | 50 | -200 | 2005001 | 01/27/20 | 01/27/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 87.7 % | 50- | -150 | 2005010 | 01/27/20 | 01/29/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | ND | 100 | mg/kg | 5 | 2005019 | 01/28/20 | 01/29/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Project | Name: | RDU | 12 (2RP-22 | .11) | | | | |
|---|------------------|-----------|-----------|------------|---------|----------------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project | Number: | 0410 | 8-0639 | | | | Reported: | |
| Carlsbad NM, 88220 | Project Manager: | | Lynd | a Laumbach | | 01/30/20 16:46 | | | |
| | | A | H1 @ 2' | | | | | | |
| | | | 79-05 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 102 % | 50- | -150 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/O | ORO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005001 | 01/27/20 | 01/27/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005001 | 01/27/20 | 01/27/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 85.4 % | 50- | -200 | 2005001 | 01/27/20 | 01/27/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 85.8 % | 50 | -150 | 2005010 | 01/27/20 | 01/29/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 5310 | 100 | mg/kg | 5 | 2005019 | 01/28/20 | 01/29/20 | EPA 300.0/9056A | |

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|---|------|---------|------------|
| | Ana | lytical | Laboratory |

| WPX (Carlsbad) | Projec | t Name: | RDU | 12 (2RP-22 | 11) | | | | |
|--|------------------|-----------|-----------|-------------|----------------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Projec | t Number: | 0410 | 8-0639 | | | | Reported: | |
| Carlsbad NM, 88220 | Project Manager: | | Lynd | la Laumbach | 01/30/20 16:46 | | | | |
| | | A | H1 @ 4' | | | | | | |
| | | | 79-06 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 102 % | 50 | -150 | 2005010 | 01/27/20 | 01/29/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/OH | RO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005001 | 01/27/20 | 01/27/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005001 | 01/27/20 | 01/27/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 89.8 % | 50 | -200 | 2005001 | 01/27/20 | 01/27/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005010 | 01/27/20 | 01/29/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 86.7 % | 50 | -150 | 2005010 | 01/27/20 | 01/29/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 1970 | 100 | mg/kg | 5 | 2005019 | 01/28/20 | 01/29/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-2211) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Lynda Laumbach | 01/30/20 16:46 |

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

| | | | • | | • | | | | | |
|--|--------|--------------------|-------|----------------|------------------|-------------|----------------|-------|--------------|-------|
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch 2005010 - Purge and Trap EPA 5030A | | | | | | | | | | |
| Blank (2005010-BLK1) | | | | Prepared: | 01/27/20 1 4 | Analyzed: (| 01/30/20 1 | | | |
| Benzene | ND | 0.0250 | mg/kg | | | | | | | |
| Toluene | ND | 0.0250 | " | | | | | | | |
| Ethylbenzene | ND | 0.0250 | " | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | | |
| o-Xylene | ND | 0.0250 | " | | | | | | | |
| Total Xylenes | ND | 0.0250 | " | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.96 | | " | 8.00 | | 99.5 | 50-150 | | | |
| LCS (2005010-BS1) | | | | Prepared: | 01/27/20 1 4 | Analyzed: (| 01/28/20 1 | | | |
| Benzene | 5.07 | 0.0250 | mg/kg | 5.00 | | 101 | 70-130 | | | |
| Toluene | 5.15 | 0.0250 | | 5.00 | | 103 | 70-130 | | | |
| Ethylbenzene | 5.07 | 0.0250 | " | 5.00 | | 101 | 70-130 | | | |
| o,m-Xylene | 10.1 | 0.0500 | | 10.0 | | 101 | 70-130 | | | |
| -Xylene | 5.03 | 0.0250 | " | 5.00 | | 101 | 70-130 | | | |
| Total Xylenes | 15.1 | 0.0250 | " | 15.0 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.10 | | " | 8.00 | | 101 | 50-150 | | | |
| Matrix Spike (2005010-MS1) | Sou | ırce: P001077- | 01 | Prepared: | 01/27/2014 | Analyzed: 0 | 01/28/20 2 | | | |
| Benzene | 4.90 | 0.0250 | mg/kg | 5.00 | ND | 97.9 | 54.3-133 | | | |
| Toluene | 5.02 | 0.0250 | " | 5.00 | ND | 100 | 61.4-130 | | | |
| Ethylbenzene | 4.95 | 0.0250 | | 5.00 | ND | 99.0 | 61.4-133 | | | |
| p,m-Xylene | 9.84 | 0.0500 | " | 10.0 | ND | 98.4 | 63.3-131 | | | |
| p-Xylene | 4.92 | 0.0250 | " | 5.00 | ND | 98.4 | 63.3-131 | | | |
| Total Xylenes | 14.8 | 0.0250 | " | 15.0 | ND | 98.4 | 63.3-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.20 | | " | 8.00 | | 103 | 50-150 | | | |
| Matrix Spike Dup (2005010-MSD1) | Sou | ırce: P001077- | 01 | Prepared: | 01/27/2014 | Analyzed: 0 | 01/28/20 2 | | | |
| Benzene | 4.87 | 0.0250 | mg/kg | 5.00 | ND | 97.5 | 54.3-133 | 0.454 | 20 | |
| Toluene | 5.00 | 0.0250 | " | 5.00 | ND | 100 | 61.4-130 | 0.454 | 20 | |
| Ethylbenzene | 4.94 | 0.0250 | " | 5.00 | ND | 98.8 | 61.4-133 | 0.212 | 20 | |
| o,m-Xylene | 9.82 | 0.0500 | " | 10.0 | ND | 98.2 | 63.3-131 | 0.258 | 20 | |
| p-Xylene | 4.91 | 0.0250 | " | 5.00 | ND | 98.2 | 63.3-131 | 0.239 | 20 | |
| Total Xylenes | 14.7 | 0.0250 | " | 15.0 | ND | 98.2 | 63.3-131 | 0.252 | 20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.21 | | " | 8.00 | | 103 | 50-150 | | | |
| | | | | | | | | | | |

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| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-2211) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Lynda Laumbach | 01/30/20 16:46 |

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---|--------|---------------|-------|-----------|--------------|-------------|-----------|-------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 2005001 - DRO Extraction EPA 3570 | | | | | | | | | | |
| Blank (2005001-BLK1) | | | | Prepared: | 01/27/20 0 4 | Analyzed: 0 | 1/27/20 1 | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | | | | | | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | " | | | | | | | |
| Surrogate: n-Nonane | 53.3 | | " | 50.0 | | 107 | 50-200 | | | |
| LCS (2005001-BS1) | | | | Prepared: | 01/27/20 0 4 | Analyzed: 0 | 1/27/20 1 | | | |
| Diesel Range Organics (C10-C28) | 450 | 25.0 | mg/kg | 500 | | 90.1 | 38-132 | | | |
| Surrogate: n-Nonane | 50.2 | | " | 50.0 | | 100 | 50-200 | | | |
| Matrix Spike (2005001-MS1) | Sou | rce: P001072- | 01 | Prepared: | 01/27/20 0 A | Analyzed: 0 | 1/27/20 1 | | | |
| Diesel Range Organics (C10-C28) | 479 | 25.0 | mg/kg | 500 | 29.1 | 90.0 | 38-132 | | | |
| Surrogate: n-Nonane | 47.3 | | " | 50.0 | | 94.7 | 50-200 | | | |
| Matrix Spike Dup (2005001-MSD1) | Sou | rce: P001072- | 01 | Prepared: | 01/27/20 0 4 | Analyzed: 0 | 1/27/20 1 | | | |
| Diesel Range Organics (C10-C28) | 483 | 25.0 | mg/kg | 500 | 29.1 | 90.9 | 38-132 | 0.962 | 20 | |
| Surrogate: n-Nonane | 47.5 | | " | 50.0 | | 95.0 | 50-200 | | | |
| | | | | | | | | | | |

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| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-2211) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Lynda Laumbach | 01/30/20 16:46 |

Nonhalogenated Organics by 8015 - GRO - Quality Control

| Envirotech Analytical Laboratory | | | | | | | | | | |
|--|--------|--------------|---------------|-------------|--------------|-------------|-----------|------|-------|------------|
| | D I | Reporting | T T 14 | Spike | Source | A/DEC | %REC | DDD | RPD | N 4 |
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 2005010 - Purge and Trap EPA 5030A | | | | | | | | | | |
| Blank (2005010-BLK1) | | | | Prepared: (| 01/27/20 1 A | Analyzed: 0 | 1/30/20 1 | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.05 | | " | 8.00 | | 88.1 | 50-150 | | | |
| LCS (2005010-BS2) | | | | Prepared: (|)1/27/20 1 A | Analyzed: 0 | 1/28/20 1 | | | |
| Gasoline Range Organics (C6-C10) | 46.6 | 20.0 | mg/kg | 50.0 | | 93.3 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.08 | | " | 8.00 | | 88.5 | 50-150 | | | |
| Matrix Spike (2005010-MS2) | Sour | e: P001077- | 01 | Prepared: (| 01/27/20 1 A | Analyzed: 0 | 1/28/20 2 | | | |
| Gasoline Range Organics (C6-C10) | 48.2 | 20.0 | mg/kg | 50.0 | ND | 96.4 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.12 | | " | 8.00 | | 89.0 | 50-150 | | | |
| Matrix Spike Dup (2005010-MSD2) | Sour | ce: P001077- | 01 | Prepared: (|)1/27/20 1 A | Analyzed: 0 | 1/28/20 2 | | | |
| Gasoline Range Organics (C6-C10) | 45.1 | 20.0 | mg/kg | 50.0 | ND | 90.2 | 70-130 | 6.61 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.15 | | " | 8.00 | | 89.4 | 50-150 | | | |

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| WPX (Carlsbad) | Pro | ject Name: | R | DU 12 (2RP- | 2211) | | | | | | | | |
|---|-----------------|---------------|---------|----------------|-----------|------------|--------|-----|----------------|-------|--|--|--|
| 5315 Buena Vista Dr | Pro | ject Number: | 0- | 4108-0639 | | | | | Report | ed: | | | |
| Carlsbad NM, 88220 | Pro | ject Manager: | L | Lynda Laumbach | | | | | 01/30/20 16:46 | | | | |
| Anions by 300.0/9056A - Quality Control | | | | | | | | | | | | | |
| | Eı | nvirotech A | Analyti | cal Labor | atory | | | | | | | | |
| | | Reporting | | Spike | Source | | %REC | | RPD | | | | |
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | | | |
| Batch 2005019 - Anion Extraction l | EPA 300.0/9056A | | | | | | | | | | | | |
| Blank (2005019-BLK1) | | | | Prepared & | Analyzed: | 01/28/20 1 | | | | | | | |
| Chloride | ND | 20.0 | mg/kg | | | | | | | | | | |
| LCS (2005019-BS1) | | | | Prepared & | Analyzed: | 01/28/20 1 | | | | | | | |
| Chloride | 254 | 20.0 | mg/kg | 250 | | 102 | 90-110 | | | | | | |

| Matrix Spike (2005019-MS1) | Source: P001076-01 | | | Prepared & | Analyzed: | 01/28/20 1 | | | | |
|---------------------------------|--------------------|----------|-------|------------|-----------|------------|--------|------|----|---|
| Chloride | 1600 | 100 | mg/kg | 250 | 1360 | 96.3 | 80-120 | | | |
| Matrix Spike Dup (2005019-MSD1) | Source: | P001076- | 01 | Prepared & | Analyzed: | 01/28/20 1 | | | | |
| Chloride | 1620 | 100 | mg/kg | 250 | 1360 | 104 | 80-120 | 1.26 | 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 my differ slightly.

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| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-2211) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Lynda Laumbach | 01/30/20 16:46 |

Notes and Definitions

| ND | Analyte NOT DETECTED at or above the reporting limit |
|----|--|
| | |

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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| Project Information | Chain of Custody | | | | | | | | . Pa | | of |
|--|---|------------|-----------------------------|--------------|-------------|----------------|---|----------------------------------|--|---------------------------|------------------------------|
| Client: | Report Attention | | Star Star | Lat |) Use | Only | | TAT | EF | A Progra | im |
| Project: RPV12 (ZRP-2211) | Report due by: | | WO# | | J | b Nur | nber | 1D 3D | RCRA | CWA | SDWA |
| Project Manager: | Attention: | P | 0010 | 579 | | 2410 | 8-01039 | | | | |
| Address: | Address: | _ | | | | | nd Metho | | | Sta | |
| City, State, Zip | City, State, Zip | 115 | 8015 | | | | F | | | NM CO | UT A |
| Phone: | Phone: | √ 8C | V 80 | 51 | 0 | 0.0 | 2 | | | V | N |
| Email: Lynda @ WPX | Email: 10seph @ etcchenv.cun | | ^g O ^b | / 80. | 826 | e 30 | 00- | | | \land | |
| Time Date No Sampled Sampled Matrix Containers Sample ID | Lab Numb | 면 8015 | GRO/DRO by | BTEX by 8021 | VOC by 8260 | Chloride 300.0 | BC | | | Rem | arks |
| 3:45pm 1.22.20 5 1 TTZ | @ Z' | | | | | | X | | | | |
| 3:50pm 1.22.26 5 1 TTZ | @ 4' 2 | | | | | | (| | | | |
| 3:15pm 1.22.20 1 TT1 | @ z' 3 | | | | | | | | | | |
| 3:20pm 1.22.22 / 1 TTI | @ 41 4 | | | | | | | | | | |
| 3:20pn 1.22.22 / (TT / 1:15pm 1.23.20 AH 1 | @ 2' 5 | | | | | | | | | | |
| 1:30pm 1 V 1 Att | 1 @ 41 le | | | | | |) | | | | |
| | | | | | | | | | | | |
| | | | | | | _ | | | | | 3 |
| | | | - | | | | | | | | |
| | | | | | | | | | | | |
| Additional Instructions: | | | | | | | | * | | | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aw time of collection is considered fraud and may be grounds for legal action. Sam | | tion, date | e or | | 200 | | a de la composición d | | be received on ic but less than 6 ° | Contrast with pressing co | A STATE OF A STATE OF A DOWN |
| Relinquished by: (Signature) Date Time | Received by: (Signature) Date | ·2020 | Time | 625 | S R | eceive | d on ice: | 15-2 | se Only N | | |
| Relinquished by: (Signature) Date Time | Received by: (Signature) Date | | Time | | Т | | | T2 4 | | <u>T3</u> | |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Othe | | | | | | oly/pla | stic, ag - a | mber glas | s, v - VOA | | |
| Note: Samples are discarded 30 days after results are reported unle samples is applicable only to those samples received by the laborato | | | | | | | ie client exp | ense. The re | eport for the | analysis of I | he above |
| Benvirotech | 5796 US Highway 64, Farmington, NM 87401 | | | | | | Fx (505) 632-186 | and in lines of a company series | | - CONTRACTOR OF | nvirotech-Inc |
| Analytical Laboratory | Three Springs • 65 Mercado Street, Suite 115, Durange | CO 81301 | | | Ph (970) | 259-0615 | Fr (800) 362-1879 |) | | laboratory @ | nvirotech-ind |

•

Page 155 of 216

| Project Information | Chain of Cust | odv | | | | | in the | | Pa | ge / of | |
|--|---|--|------------------------------------|--------------|----------------------------|--|----------------|--------------|--------------------|---|---------|
| Client: NPX | Report Attention | | | Lat | o Use (| and an other states of the sta | | TAT | E | PA Program | see |
| Project: RPV12 (2RP-2211) | Report due by: | | Lab WO | | LANSEL BRACK | b Num | | 1D 3C | RCRA | CWA SDW | 5 Per |
| Project Manager: Lynda Laumbach | Attention: | | P001079 04108-0639 | | | | | | | 2 | |
| Address: | Address: | | | | Ana | ysis an | d Metho | d | | State 00 | |
| City, State, Zip | City, State, Zip | | 015 | | | | 5 | | | NM CO UT A | |
| Phone: | Phone: | | by 8 by 8 | 021 | 10 | 00.00 | ğ | | | | 6 |
| Email: Lynda @ WPX | Email: joseph @ etechenv. | | ORO DRO | by 8 | y 82 5 60 | de 3 | 2 | 121 12 | | | 5/20 |
| - Time ¹ Date Matrix No Sampled Sampled Matrix Containers Sample ID | | Lab Number | DRO/ORO by 8015 GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 Metals 6010 | Chloride 300.0 | BUDO | | | Remarks | 2023 |
| | | 1 | | | | | X | | | | 9:23:35 |
| 3:45pm 1-22.20 5 1 TT. | 2 @ 2' | | | | | - | | | | | |
| 3:50pm 1.22.26 5 1 TT 2 | - @ 4' | 2 | | | | | (| | | | AM |
| 3:15pm 1.22.20 1 TTI | @ Z ! | 3 | | | | | | | | | - |
| | Q 41 | 4 | | | | | 1 | | | | |
| 3:20pm 1.22.26 1 TTI | - Ca 7 | and and the second | | | | | | | | | |
| 1:15pm 1.23.20 Att | 1 @ 2' | 5 | | | | | 1 | | | | |
| 1:30 1 Att | 1241 | le | | | | | 5 | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | and the second | | | | | | | | | |
| | | | | | | | | | | | Ē, |
| | | | | | | | | | | | |
| Additional Instructions: | | | | 1 1 | 11.3 | | | 1 | | | |
| | | | | | Com. | nles requiri | ng thermal pro | servation mu | t he received on l | ce the day they are sampled or | |
| I, (field sampler), attest to the validity and authenticity of this sample. I a time of collection is considered fraud and may be grounds for legal actio | | mple location, | date or | | | | | | | °C on subsequent days. | |
| Relinquished by: (Signature) Date Tim | | Date | Time | | - | | | Lab | Jse Only | | |
| m 1.23.20 4 | :25pm 2 20 | 1-23-2 | 020 / | 162 | > Re | ceived | d on ice: | (Y | N | | |
| Relinquished by: (Signature) Date Tim | | Date | Time | | <u>T1</u> | | 0 | <u>T2</u> | | <u>T3</u> | |
| Sample Matrix: S - Soil, Sg - Sludge, A - Aqueous, O - Other Sample Matrix: S - Soil, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA | | | | | | | | | | | |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - | | | | | | and the second s | | | | | - |
| Note: Samples are discarded 30 days after results are reported samples is applicable only to those samples received by the lab | inless other arrangements are made. Hazardous sample ratory with this COC. The liability of the laboraotry is li | imited to the | amount p | aid for | on the re | or at the | client exp | ense. The | report for the | analysis of the above | Pag |
| Renvirotech | | | | | | | | | | | e 1 |
| Analytical Laboratory | | the design of the local spectra has advected | 1301 | | | | (505) 632-186 | | | envirotech-Inc.com laboratory@envirotech-Inc.com | 56 |
| Analytical Laboratory Three Springs - 65 Mercado Street, Suite 115, Durango, (0 81301 Ph (970) 259-0615 Fr (800) 362-1879 | | | | | | | | | | | |

Released to Imaging: 9/6/2023 4:19:11 PM

Received by OCD: 9/5/2023 9:23:35 AM



Analytical Report

Report Summary

Client: WPX (Carlsbad)

Samples Received: 2/27/2020 Job Number: 04108-0639 Work Order: P002091 Project Name/Location: RDU 12 (2RP-2211)

Walter Hinkow

Date: 2/28/20

Walter Hinchman, Laboratory Director



Report Reviewed By:

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted 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 NM009792018-1 for the data reported. Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

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| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-2211) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Lynda Laumbach | 02/28/20 13:37 |

Analytical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| AH1 @ 6' | P002091-01A | Soil | 02/25/20 | 02/27/20 | Glass Jar, 4 oz. |
| AH2 @ 2' | P002091-02A | Soil | 02/25/20 | 02/27/20 | Glass Jar, 4 oz. |
| AH2 @ 4' | P002091-03A | Soil | 02/25/20 | 02/27/20 | Glass Jar, 4 oz. |
| AH3 @ 2' | P002091-04A | Soil | 02/25/20 | 02/27/20 | Glass Jar, 4 oz. |
| AH3 @ 4' | P002091-05A | Soil | 02/25/20 | 02/27/20 | Glass Jar, 4 oz. |
| AH4 @ 2' | P002091-06A | Soil | 02/25/20 | 02/27/20 | Glass Jar, 4 oz. |
| AH4 @ 4' | P002091-07A | Soil | 02/25/20 | 02/27/20 | Glass Jar, 4 oz. |

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| WPX (Carlsbad) | Project Name: | | | 12 (2RP-22 | | | | | |
|--|---------------|------------|-------------------------|------------|---------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Projec | t Number: | 0410 | 8-0639 | | | | Reported: | |
| Carlsbad NM, 88220 | Projec | t Manager: | Manager: Lynda Laumbach | | | | | 02/28/20 13: | 37 |
| | | A | H1 @ 6' | | | | | | |
| | | | 91-01 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 101 % | 50 | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/OR | 0 | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 89.5 % | 50 | -200 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 85.4 % | 50 | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 153 | 100 | mg/kg | 5 | 2009031 | 02/27/20 | 02/27/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Project Name: | | | 12 (2RP-22 | | | | | |
|--|---------------------------|-----------|-----------|-------------|---------|----------|----------------|--------------------|-------|
| 5315 Buena Vista Dr | Project Number: | | | 8-0639 | | | | Reported: | |
| Carlsbad NM, 88220 | Project Manager: Lynda La | | | la Laumbach | | | 02/28/20 13:37 | | |
| | | A | H2 @ 2' | | | | | | |
| | | | 91-02 (Se | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 101 % | 50 | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/Ol | RO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 84.8 % | 50 | -200 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 85.6 % | 50 | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 166 | 100 | mg/kg | 5 | 2009031 | 02/27/20 | 02/27/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Projec | t Name: | RDU | 12 (2RP-22 | | | | | |
|--|--------|-----------|------------|------------|-----------|----------|----------------|--------------------|-------|
| 5315 Buena Vista Dr | Projec | t Number: | 0410 | 8-0639 | Reported: | | | | |
| Carlsbad NM, 88220 | Projec | Lynd | a Laumbach | | | | 02/28/20 13:37 | | |
| | | A | H2 @ 4' | | | | | | |
| | | P0020 | 91-03 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 102 % | 50 | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/OF | RO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 92.0 % | 50 | -200 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 86.0 % | 50- | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | ND | 100 | mg/kg | 5 | 2009031 | 02/27/20 | 02/27/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Project Name: | | | 12 (2RP-22 | | | | | |
|--|-----------------|------------|-----------|-------------|---------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project Number: | | | 8-0639 | | | | Reported: | |
| Carlsbad NM, 88220 | Project | t Manager: | Lynd | la Laumbach | L | | | 02/28/20 13:3 | 37 |
| | | A | H3 @ 2' | | | | | | |
| | | | 91-04 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 101 % | 50 | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/OF | RO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 93.8 % | 50 | -200 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 85.4 % | 50 | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 156 | 100 | mg/kg | 5 | 2009031 | 02/27/20 | 02/27/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Project | Name: | RDU | 12 (2RP-22 | | | | | |
|---|---------|------------------|-----------|------------|-----------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project | Number: | 0410 | 8-0639 | Reported: | | | | |
| Carlsbad NM, 88220 | Project | Project Manager: | | | | | | 02/28/20 13:37 | |
| | | A | H3 @ 4' | | | | | | |
| | | | 91-05 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 101 % | 50- | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/ | ORO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 95.2 % | 50- | -200 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 86.3 % | 50- | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 129 | 100 | mg/kg | 5 | 2009031 | 02/27/20 | 02/27/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Project | Name: | RDU | 12 (2RP-22 | | | | | |
|---|-----------------|-----------|-----------|-------------|-----------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project Number: | | 0410 | 8-0639 | Reported: | | | | |
| Carlsbad NM, 88220 | Project | Manager: | Lynd | la Laumbach | aumbach | | | | 37 |
| | | A | H4 @ 2' | | | | | | |
| | | | 91-06 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 100 % | 50- | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/ | ORO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 87.2 % | 50 | -200 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 86.1 % | 50- | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | ND | 100 | mg/kg | 5 | 2009031 | 02/27/20 | 02/27/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Project | Name: | RDU | 12 (2RP-22 | 211) | | | | |
|---|---------|-----------|-----------|-------------|---------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project | Number: | 0410 | 04108-0639 | | | | | |
| Carlsbad NM, 88220 | Project | Manager: | Lynd | la Laumbach | l | | | 02/28/20 13: | 37 |
| | | A | H4 @ 4' | | | | | | |
| | | | 91-07 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 99.9 % | 50 | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO |)/ORO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 96.7 % | 50 | -200 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO |) | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 86.4 % | 50 | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 165 | 100 | mg/kg | 5 | 2009031 | 02/27/20 | 02/27/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-2211) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Lynda Laumbach | 02/28/20 13:37 |

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

| | | | • | | v | | | | | |
|--|--------|--------------------|-------|----------------|------------------|-------------|----------------|------|--------------|-------|
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch 2009030 - Purge and Trap EPA 5030A | | | | | | | | | | |
| Blank (2009030-BLK1) | | | | Prepared: | 02/27/20 0 / | Analyzed: (| 02/27/20 1 | | | |
| Benzene | ND | 0.0250 | mg/kg | | | | | | | |
| Toluene | ND | 0.0250 | " | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | | |
| Total Xylenes | ND | 0.0250 | " | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.34 | | " | 8.00 | | 104 | 50-150 | | | |
| LCS (2009030-BS1) | | | | Prepared: | 02/27/20 0 / | Analyzed: (| 02/27/20 1 | | | |
| Benzene | 4.94 | 0.0250 | mg/kg | 5.00 | | 98.7 | 70-130 | | | |
| Toluene | 4.94 | 0.0250 | " | 5.00 | | 98.8 | 70-130 | | | |
| Ethylbenzene | 4.93 | 0.0250 | " | 5.00 | | 98.6 | 70-130 | | | |
| o,m-Xylene | 9.84 | 0.0500 | | 10.0 | | 98.4 | 70-130 | | | |
| o-Xylene | 4.93 | 0.0250 | | 5.00 | | 98.6 | 70-130 | | | |
| Total Xylenes | 14.8 | 0.0250 | | 15.0 | | 98.5 | 0-200 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.42 | | " | 8.00 | | 105 | 50-150 | | | |
| Matrix Spike (2009030-MS1) | Sou | ırce: P002090- | 01 | Prepared: | 02/27/20 0 4 | Analyzed: (| 02/27/20 1 | | | |
| Benzene | 4.96 | 0.0250 | mg/kg | 5.00 | ND | 99.1 | 54.3-133 | | | |
| Toluene | 4.96 | 0.0250 | | 5.00 | ND | 99.2 | 61.4-130 | | | |
| Ethylbenzene | 4.96 | 0.0250 | " | 5.00 | ND | 99.1 | 61.4-133 | | | |
| p,m-Xylene | 9.90 | 0.0500 | | 10.0 | ND | 99.0 | 63.3-131 | | | |
| o-Xylene | 4.96 | 0.0250 | " | 5.00 | ND | 99.3 | 63.3-131 | | | |
| Total Xylenes | 14.9 | 0.0250 | | 15.0 | ND | 99.1 | 0-200 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.40 | | " | 8.00 | | 105 | 50-150 | | | |
| Matrix Spike Dup (2009030-MSD1) | Sou | ırce: P002090- | 01 | Prepared: | 02/27/20 0 4 | Analyzed: (| 02/27/20 1 | | | |
| Benzene | 5.11 | 0.0250 | mg/kg | 5.00 | ND | 102 | 54.3-133 | 3.13 | 20 | |
| Toluene | 5.09 | 0.0250 | " | 5.00 | ND | 102 | 61.4-130 | 2.55 | 20 | |
| Ethylbenzene | 5.07 | 0.0250 | " | 5.00 | ND | 101 | 61.4-133 | 2.31 | 20 | |
| p,m-Xylene | 10.1 | 0.0500 | | 10.0 | ND | 101 | 63.3-131 | 2.15 | 20 | |
| o-Xylene | 5.07 | 0.0250 | " | 5.00 | ND | 101 | 63.3-131 | 2.20 | 20 | |
| Total Xylenes | 15.2 | 0.0250 | | 15.0 | ND | 101 | 0-200 | 2.17 | 200 | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.44 | | " | 8.00 | | 105 | 50-150 | | | |
| | | | | | | | | | | |

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| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-2211) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Lynda Laumbach | 02/28/20 13:37 |

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

| | | | - | | - | | | | | |
|---|--------|--------------------|-------|----------------|------------------|-------------|----------------|-------|--------------|-------|
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch 2009029 - DRO Extraction EPA 3570 | | | | | | | | | | |
| Blank (2009029-BLK1) | | | | Prepared: | 02/27/20 0 / | Analyzed: 0 | 2/27/20 1 | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | | | | | | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | " | | | | | | | |
| Surrogate: n-Nonane | 46.1 | | " | 50.0 | | 92.2 | 50-200 | | | |
| LCS (2009029-BS1) | | | | Prepared: | 02/27/20 0 4 | Analyzed: 0 | 2/27/20 1 | | | |
| Diesel Range Organics (C10-C28) | 453 | 25.0 | mg/kg | 500 | | 90.6 | 38-132 | | | |
| Surrogate: n-Nonane | 47.5 | | " | 50.0 | | 95.0 | 50-200 | | | |
| Matrix Spike (2009029-MS1) | Sou | rce: P002090- | 01 | Prepared: | 02/27/20 0 4 | Analyzed: 0 | 2/27/20 1 | | | |
| Diesel Range Organics (C10-C28) | 462 | 25.0 | mg/kg | 500 | ND | 92.4 | 38-132 | | | |
| Surrogate: n-Nonane | 48.3 | | " | 50.0 | | 96.5 | 50-200 | | | |
| Matrix Spike Dup (2009029-MSD1) | Sou | rce: P002090- | 01 | Prepared: | 02/27/20 0 4 | Analyzed: 0 | 2/27/20 1 | | | |
| Diesel Range Organics (C10-C28) | 466 | 25.0 | mg/kg | 500 | ND | 93.2 | 38-132 | 0.836 | 20 | |
| Surrogate: n-Nonane | 48.6 | | " | 50.0 | | 97.2 | 50-200 | | | |
| | | | | | | | | | | |

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| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-2211) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Lynda Laumbach | 02/28/20 13:37 |

Nonhalogenated Organics by 8015 - GRO - Quality Control

| Envirotech Analytical Laboratory | | | | | | | | | | |
|--|--------|--------------|-------|-------------|--------------|-------------|-----------|------|-------|-------|
| | | Reporting | | Spike | Source | | %REC | | RPD | |
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 2009030 - Purge and Trap EPA 5030A | | | | | | | | | | |
| Blank (2009030-BLK1) | | | | Prepared: 0 | 02/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.53 | | " | 8.00 | | 94.1 | 50-150 | | | |
| LCS (2009030-BS2) | | | | Prepared: 0 | 02/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| Gasoline Range Organics (C6-C10) | 46.6 | 20.0 | mg/kg | 50.0 | | 93.3 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.45 | | " | 8.00 | | 93.1 | 50-150 | | | |
| Matrix Spike (2009030-MS2) | Sour | ce: P002090- | 01 | Prepared: 0 | 02/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| Gasoline Range Organics (C6-C10) | 46.4 | 20.0 | mg/kg | 50.0 | ND | 92.9 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.53 | | " | 8.00 | | 94.2 | 50-150 | | | |
| Matrix Spike Dup (2009030-MSD2) | Sour | ce: P002090- | 01 | Prepared: 0 | 02/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| Gasoline Range Organics (C6-C10) | 47.5 | 20.0 | mg/kg | 50.0 | ND | 94.9 | 70-130 | 2.15 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.39 | | " | 8.00 | | 92.4 | 50-150 | | | |

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| | | S(A Oralita Cantual | |
|---------------------|------------------|---------------------|----------------|
| Carlsbad NM, 88220 | Project Manager: | Lynda Laumbach | 02/28/20 13:37 |
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-2211) | |

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|--|-----------|--------------|-------|-------------|--------------|-------------|-----------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 2009031 - Anion Extraction EPA 300 |).0/9056A | | | | | | | | | |
| Blank (2009031-BLK1) | | | | Prepared: (|)2/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| Chloride | ND | 20.0 | mg/kg | | | | | | | |
| LCS (2009031-BS1) | | | | Prepared: (| 02/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| Chloride | 263 | 20.0 | mg/kg | 250 | | 105 | 90-110 | | | |
| Matrix Spike (2009031-MS1) | Sour | ce: P002090- | 01 | Prepared: (| 02/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| Chloride | 331 | 100 | mg/kg | 250 | ND | 132 | 80-120 | | | M1 |
| Matrix Spike Dup (2009031-MSD1) | Sour | e: P002090- | 01 | Prepared: (| 02/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| Chloride | 324 | 100 | mg/kg | 250 | ND | 130 | 80-120 | 2.05 | 20 | M1 |

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 my differ slightly.

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| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-2211) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Lynda Laumbach | 02/28/20 13:37 |

Notes and Definitions

M1 Matrix spike recovery was above acceptance 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

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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| Chain | of | Custod | У |
|-------|----|--------|---|
|-------|----|--------|---|

| lient: UPX | Poport Attention | | | | | | 0.1 | | | 1 | | | PA Program CWA SI State |
|--|--|---|-----------------|------------------|--------------|-------------|----------------|-------------|------------|--------------------|--------------|------------|---|
| lient: UPX roject: KDU 12 (2KP-2211) | Report Attention Report due by: | | | | | | Only | | | T/ | | E | PA Program |
| roject Manager: | Attention: | | D | WO# | | | 04/ | mbei | 1.20 | 1D | 30 | RCRA | CWA SI |
| ddress: | Address: | | P | 00 | 205 | 1 | nalysis | 20-C | Actho | X | | | <u> </u> |
| ity, State, Zip | City, State, Zip | | | | | | | | Netho | a T | | | State |
| hone: | Phone: | | 8015 | 8015 | | | | Š | | | | | NM CO UT |
| mail: Lynda @ WPX | Email: joseph@ etechenv. | (0 m | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Chloride 300.0 | ن ان | 5 | × | | | |
| Time Date No. | Linan. Josephile ercentered | Lab | ORC | DRO | by 8 | oy 82 | de 3 | 100 | N. | 5 | | | |
| Sampled Sampled Matrix Containers Sample ID | | Number | RO/ | RO/ | TEX | SCF | hlori | TCEQ 1005 | BGDOC - NM | BGDOC - TX | | | Remarks |
| | | Number | | U | .8 | Š | 5 1 | | ä | B | | | |
| 25pm 2.12.20 5 1 AHIOG |) | in these | | | | | | | - | | | | |
| A CONTRACTOR OF A CONTRACTOR OFTA CONTRACTOR O | | | | | | | / | <u></u> | - | | | _ | |
| :25pm 5 1 AHZ@ | 2' | 2 | | | | | X | | | | | | |
| | | | - | | | | / | | | $\left - \right $ | | | |
| :90pm 5 1 AHZ (a |) 4' | 3 | | | | | X | | | | | | |
| | | | | | | | 1 | | - | | | | |
| :00 pm 5 1 AH3 @ | Z | 4 | | | | | X | | | | | | |
| | | - | | | | | / | | - | | | | |
| :15pm 5 1 AH3@ | 4' | 5 | | | | | | | | | | | |
| | | | | | | | | - | - | | | | |
| 25 pm 5 1 AH4@ | 2' | 6 | | | | | X | | | | | | |
| | 1.1 | | | | | | - / | | - | | - | | |
| :45 pm V 5 AH 4@ | 4. | 7 | | | | | X | | | | | | |
| | | | | | | | | - | - | | | | |
| | | | | | | | | | | | | | |
| | | 146.2.3 | | | | | | - | - | | | | |
| | | Assessed. | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | hr TAT | | | | | | | | | I | | | |
| field sampler), attest to the validity and authenticity of this sample. I am aware | | ation, date or | | | | | | | | | | | day they are sampled o |
| ne of collection is considered fraud and may be grounds for legal action. Sample | | The second se | | | | | cived paci | and infiles | n an avg t | emp above | e o but less | anan 6 Con | subsequent days. |
| elinquished by: (Signature) Date Time | Received by: (Signature) | Date 7.25. | 20 | Time | 1.2 | | | | | | b Use | Only | |
| 11 | 15pm Jan 20 | 0 0 | 00 | | 112 | R | eceive | d on | ice: | (\mathbf{v}) | / N | | |
| linquished by: (Signature) Date Time | Received by: (Signature) | Date | N. 191 | Time | ā. | T | 1 | | | T2 | No. | | <u>T3</u> |
| | 325 Rain Loper | 2/27/ | 20 | 91 | 3D | A | VG Te | mp °(| _ 4 | | | | |
| mple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other | | Container | Туре | : g - gla | ass, p | - poly | /plast | c. ag - | ambe | r glass | , v - V | OA | |
| ote: Samples are discarded 30 days after results are reported unless ot | her arrangements are made. Hazardous samples will be | e returned to cli | ent or i | dispose | d of at | the clie | nt exper | ise. The | e report | for the | analysis | of the abo | ve samples is appli |
| ly to those samples received by the laboratory with this COC. The liab | pility of the laboratory is limited to the amount paid for | on the report. | | - | | | | | | | 5 | | |
| Analytical Laboratory | | | | | | | | | | | 1 | te ha nea | |

Received by OCD: 9/5/2023 9:23:35 AM



Analytical Report

Report Summary

Client: WPX (Carlsbad)

Samples Received: 1/24/2020 Job Number: 04108-0639 Work Order: P001076 Project Name/Location: RDU 12 (2RP-4095)

Report Reviewed By:

Walter Hinkon

Date: 1/30/20

Walter Hinchman, Laboratory Director



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| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-4095) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Joseph Hernandez | 01/30/20 13:41 |

Analytical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| TT1 @ 2' | P001076-01A | Soil | 01/22/20 | 01/24/20 | Glass Jar, 4 oz. |
| TT1 @ 12' | P001076-02A | Soil | 01/22/20 | 01/24/20 | Glass Jar, 4 oz. |
| TT2 @ 2' | P001076-03A | Soil | 01/23/20 | 01/24/20 | Glass Jar, 4 oz. |
| TT2 @ 4' | P001076-04A | Soil | 01/23/20 | 01/24/20 | Glass Jar, 4 oz. |
| TT3 @ 2' | P001076-05A | Soil | 01/23/20 | 01/24/20 | Glass Jar, 4 oz. |
| TT3 @ 4' | P001076-06A | Soil | 01/23/20 | 01/24/20 | Glass Jar, 4 oz. |
| AH 1 @ 2' | P001076-07A | Soil | 01/23/20 | 01/24/20 | Glass Jar, 4 oz. |
| AH 1 @ 4' | P001076-08A | Soil | 01/23/20 | 01/24/20 | Glass Jar, 4 oz. |
| AH 2 @ 2' | P001076-09A | Soil | 01/23/20 | 01/24/20 | Glass Jar, 4 oz. |
| AH 2 @ 4' | P001076-10A | Soil | 01/23/20 | 01/24/20 | Glass Jar, 4 oz. |
| AH 3 @ 2' | P001076-11A | Soil | 01/23/20 | 01/24/20 | Glass Jar, 4 oz. |
| AH 3 @ 4' | P001076-12A | Soil | 01/23/20 | 01/24/20 | Glass Jar, 4 oz. |
| AH 4 @ 2' | P001076-13A | Soil | 01/23/20 | 01/24/20 | Glass Jar, 4 oz. |
| AH 4 @ 4' | P001076-14A | Soil | 01/23/20 | 01/24/20 | Glass Jar, 4 oz. |

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| WPX (Carlsbad) | Project | Name: | RDU | 12 (2RP-40 | 95) | | | | |
|---|---------|-----------|-----------|-------------|---------------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project | Number: | | | | | | | |
| Carlsbad NM, 88220 | Project | Manager: | Josep | h Hernande: | 01/30/20 13:4 | 41 | | | |
| | | Т | T1 @ 2' | | | | | | |
| | | | 76-01 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 110 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 96.2 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 91.6 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/ORC |) | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 89.6 % | 50- | -200 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 110 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 96.2 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 91.6 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 1360 | 100 | mg/kg | 5 | 2005019 | 01/28/20 | 01/28/20 | EPA 300.0/9056A | |

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| | |

| WPX (Carlsbad) | Project | Name: | RDU | 12 (2RP-40 | 95) | | | | |
|---|---------|-----------|--------------|------------|-----------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project | Number: | 0410 | 8-0639 | Reported: | | | | |
| Carlsbad NM, 88220 | Project | Manager: | 01/30/20 13: | 41 | | | | | |
| | | T | F1 @ 12' | 1 | | | | | |
| | | | 76-02 (So | | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 98.3 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 92.4 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/ORO |) | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 90.7 % | 50- | -200 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 98.3 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 92.4 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | ND | 100 | mg/kg | 5 | 2005019 | 01/28/20 | 01/28/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Project | Name: | RDU | 12 (2RP-40 | 95) | | | | |
|--|---------|-----------|-----------|------------------|-----------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project | Number: | 0410 | Reported: | Reported: | | | | |
| Carlsbad NM, 88220 | Project | Manager: | Josep | 01/30/20 13: | 41 | | | | |
| | | Т | T2 @ 2' | | | | | | |
| | | | 76-03 (Sa | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 106 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 96.5 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 90.5 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/ | ORO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 88.7 % | 50- | -200 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 106 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 96.5 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 90.5 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 36.0 | 20.0 | mg/kg | 1 | 2005019 | 01/28/20 | 01/28/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Project | Name: | RDU | 12 (2RP-40 | 95) | | | | |
|---------------------------------------|---------|-----------------------------------|-----------|------------|---------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project | Number: | 0410 | 8-0639 | | | | Reported: | |
| Carlsbad NM, 88220 | Project | Project Manager: Joseph Hernandez | | | | | | | |
| | | Т | T2 @ 4' | | | | | | |
| | | | 76-04 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 96.7 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 91.1 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRC |)/ORO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 87.9 % | 50- | -200 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO |) | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 96.7 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 91.1 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 108 | 100 | mg/kg | 5 | 2005019 | 01/28/20 | 01/28/20 | EPA 300.0/9056A | |

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| B | envirotech |
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| | Analytical Laboratory |

| WPX (Carlsbad) | Project | Name: | RDU | 12 (2RP-40 | 95) | | | | |
|--|---------|-----------|-------------------------|------------|---------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project | 0410 | 04108-0639 | | | | | Reported: | |
| Carlsbad NM, 88220 | Project | Manager: | nager: Joseph Hernandez | | | | | 01/30/20 13: | 41 |
| | | Т | T3 @ 2' | | | | | | |
| | | | 76-05 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 107 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 96.9 % | 70-130 | | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 91.3 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/ | ORO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 76.9 % | 50- | -200 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 107 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 96.9 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 91.3 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 891 | 40.0 | mg/kg | 2 | 2005019 | 01/28/20 | 01/28/20 | EPA 300.0/9056A | |

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| | |

| WPX (Carlsbad) | Project Name: | | RDU 12 (2RP-4095) | | | | | | |
|--|-----------------------------------|-----------|-------------------|----------|---------|----------|--------------|--------------------|-------|
| 5315 Buena Vista Dr | Project | 0410 | 04108-0639 | | | | | Reported: | |
| Carlsbad NM, 88220 | Project Manager: Joseph Hernandez | | | | | | 01/30/20 13: | 01/30/20 13:41 | |
| | | Т | T3 @ 4' | | | | | | |
| | | | 76-06 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 105 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 96.4 % | 70-130 | | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 88.5 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/ | ORO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 85.5 % | 50- | -200 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 105 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 96.4 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 88.5 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | ND | 100 | mg/kg | 5 | 2005019 | 01/28/20 | 01/28/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Project | Project Name: | | RDU 12 (2RP-4095) | | | | | | |
|---------------------------------------|----------------------------------|---------------|------------|-------------------|---------|----------|----------|--------------------|-------|--|
| 5315 Buena Vista Dr | Project | 0410 | 04108-0639 | | | | | Reported: | | |
| Carlsbad NM, 88220 | Project Manager: Joseph Hernande | | | | | | Ζ | | | |
| | | A | H 1 @ 2' | 1 | | | | | | |
| | | | 76-07 (So | olid) | | | | | | |
| | | Reporting | | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes | |
| Volatile Organic Compounds by 8260 | | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 108 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | | |
| Surrogate: Toluene-d8 | | 95.2 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | | |
| Surrogate: Bromofluorobenzene | | 89.4 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | | |
| Nonhalogenated Organics by 8015 - DRO | /ORO | | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | | |
| Surrogate: n-Nonane | | 89.8 % | 50- | -200 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | | |
| Nonhalogenated Organics by 8015 - GRO |) | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 108 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | | |
| Surrogate: Toluene-d8 | | 95.2 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | | |
| Surrogate: Bromofluorobenzene | | 89.4 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | | |
| Anions by 300.0/9056A | | | | | | | | | | |
| Chloride | 222 | 100 | mg/kg | 5 | 2005019 | 01/28/20 | 01/28/20 | EPA 300.0/9056A | | |

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| WPX (Carlsbad) | Project | Name: | RDU | 12 (2RP-40 | | | | | |
|---|---------|-----------|-----------|------------|---------|------------------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project | Number: | 0410 | 8-0639 | | Reported: | | | |
| Carlsbad NM, 88220 | Project | Manager: | Josep | h Hernande | Z | | | 01/30/20 13: | 41 |
| | | A | H 1 @ 4' | | | | | | |
| | | | 76-08 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 110 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 96.8 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 90.2 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/0 | ORO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 89.4 % | 50- | -200 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 110 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 96.8 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 90.2 % | 70- | -130 | 2005016 | 01/28/20 | 01/28/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 302 | 100 | mg/kg | 5 | 2005019 | 01/28/20 | 01/28/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Projec | t Name: | RDU | 12 (2RP-40 | | | | | |
|--|--------|------------|-----------|-------------|---------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Projec | t Number: | 0410 | 8-0639 | | | | Reported: | |
| Carlsbad NM, 88220 | Projec | t Manager: | Josep | oh Hernande | Z | | | 01/30/20 13: | 41 |
| | | A | H 2 @ 2' | , | | | | | |
| | | | 76-09 (So | | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 107 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 95.9 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 89.5 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/OR | 0 | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 87.8 % | 50 | -200 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 107 % | 70 | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 95.9 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 89.5 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | ND | 100 | mg/kg | 5 | 2005019 | 01/28/20 | 01/28/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Projec | t Name: | RDU | 12 (2RP-40 | | | | | |
|--|--------|------------|-----------|------------|---------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Projec | t Number: | 0410 | 8-0639 | | | | Reported: | |
| Carlsbad NM, 88220 | Projec | t Manager: | Josep | h Hernande | Z | | | 01/30/20 13:4 | 41 |
| | | A | H 2 @ 4' | 1 | | | | | |
| | | P0010 | 76-10 (Sa | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 111 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 97.3 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 91.0 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/OR | 0 | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 90.5 % | 50- | -200 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 111 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 97.3 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 91.0 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | ND | 100 | mg/kg | 5 | 2005019 | 01/28/20 | 01/28/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Project | t Name: | RDU | 12 (2RP-40 | | | | | |
|--|---------|------------|-----------|------------|---------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project | t Number: | 0410 | 8-0639 | | | | Reported: | |
| Carlsbad NM, 88220 | Project | t Manager: | Josep | h Hernande | Z | | | 01/30/20 13:4 | 41 |
| | | A | H 3 @ 2' | | | | | | |
| | | | 76-11 (Sa | | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 107 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 96.2 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 90.3 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/OI | RO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 84.6 % | 50- | -200 | 2005012 | 01/27/20 | 01/28/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 107 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 96.2 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 90.3 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | ND | 100 | mg/kg | 5 | 2005019 | 01/28/20 | 01/28/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Project | RDU | 12 (2RP-40 | | | | | | |
|--|---------|------------|------------|------------|---------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project | t Number: | 0410 | 8-0639 | | | | Reported: | |
| Carlsbad NM, 88220 | Project | t Manager: | Josep | h Hernande | Z | | | 01/30/20 13: | 41 |
| | | A | H 3 @ 4' | | | | | | |
| | | P0010 | 76-12 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 109 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 97.7 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 89.6 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/OF | RO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/29/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/29/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 91.3 % | 50- | -200 | 2005012 | 01/27/20 | 01/29/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 109 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 97.7 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 89.6 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | ND | 100 | mg/kg | 5 | 2005019 | 01/28/20 | 01/29/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Project | Name: | RDU | 12 (2RP-40 | | | | | |
|---|---------|-----------|-----------|------------|---------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project | Number: | 0410 | 8-0639 | | | | Reported: | |
| Carlsbad NM, 88220 | Project | Manager: | Josep | h Hernande | Z | | | 01/30/20 13:4 | 41 |
| | | A | H 4 @ 2' | | | | | | |
| | | P0010 | 76-13 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 111 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 95.8 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 90.1 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/O | RO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/29/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/29/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 92.8 % | 50- | -200 | 2005012 | 01/27/20 | 01/29/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 111 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 95.8 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 90.1 % | 70- | -130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | ND | 20.0 | mg/kg | 1 | 2005019 | 01/28/20 | 01/29/20 | EPA 300.0/9056A | |

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| P | envirotech |
|---|-----------------------|
| | Analytical Laboratory |

| WPX (Carlsbad) | Project | t Name: | RDU | 12 (2RP-40 | 95) | | | | |
|---|---------|-----------|-----------|------------|---------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project | Number: | 04108 | 8-0639 | | | | Reported: | |
| Carlsbad NM, 88220 | Project | Manager: | Josep | h Hernande | Z | | | 01/30/20 13: | 41 |
| | | A | H 4 @ 4' | | | | | | |
| | | | 76-14 (So | lid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 109 % | 70- | 130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 96.2 % | 70- | 130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 89.9 % | 70- | 130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/0 | ORO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/29/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2005012 | 01/27/20 | 01/29/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 86.9 % | 50- | 200 | 2005012 | 01/27/20 | 01/29/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 109 % | 70- | 130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 96.2 % | 70- | 130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 89.9 % | 70- | 130 | 2005016 | 01/28/20 | 01/29/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | ND | 20.0 | mg/kg | 1 | 2005019 | 01/28/20 | 01/29/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-4095) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Joseph Hernandez | 01/30/20 13:41 |

Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory Spike %REC RPD Reporting Source Result Limit Units Level Result %REC Limits RPD Limit Notes Analyte Batch 2005016 - Purge and Trap EPA 5030A Blank (2005016-BLK1) Prepared & Analyzed: 01/28/20 1 Benzene ND 0.0250 mg/kg Toluene ND 0.0250 Ethvlbenzene ND 0.0250, p,m-Xylene ND 0.0500 ND 0.0250 .. o-Xylene .. Total Xylenes ND 0.0250 Surrogate: 1,2-Dichloroethane-d4 0.546 " 0.500 109 70-130 Surrogate: Toluene-d8 0.485 ,, 0.500 97.0 70-130 Surrogate: Bromofluorobenzene 0.442 ,, 0.500 88.3 70-130 LCS (2005016-BS1) Prepared & Analyzed: 01/28/20 1 2.54 0.0250 2.50 70-130 Benzene 102 mg/kg Toluene 2.43 0.0250 2 50 97.4 70-130 .. Ethylbenzene 2.40 0.0250 2.50 96.1 70-130 .. p,m-Xylene 5.00 0.0500 5.00 100 70-130 2.38 0.0250 .. 2.50 95.1 70-130 o-Xylene .. 7.38 0.0250 Total Xylenes 7.50 98.4 70-130 Surrogate: 1,2-Dichloroethane-d4 0.532 " 0.500 106 70-130 " 70-130 Surrogate: Toluene-d8 0.507 0.500 101 Surrogate: Bromofluorobenzene 0.482 .. 0.500 96.4 70-130 Matrix Spike (2005016-MS1) Source: P001076-01 Prepared & Analyzed: 01/28/20 1 Benzene 2.30 0.0250 mg/kg 2.50 ND 92.2 48-131 Toluene 217 0.0250 2 50 ND 86.9 48-130 Ethylbenzene 0.0250 .. 2.50 ND 86.1 45-135 2.15 .. 89.5 43-135 p,m-Xylene 4.48 0.0500 5.00 ND o-Xylene 2.13 0.0250 2.50 ND 85.1 43-135 6.60 0.0250 .. 7.50 ND 88.0 43-135 Total Xylenes " Surrogate: 1,2-Dichloroethane-d4 0.537 0.500 107 70-130 " 0.497 0.500 99.3 70-130 Surrogate: Toluene-d8 0.475 70-130 Surrogate: Bromofluorobenzene 0.500 95.0 Matrix Spike Dup (2005016-MSD1) Source: P001076-01 Prepared & Analyzed: 01/28/20 1 2.46 48-131 23 Benzene 0.0250 mg/kg 2.50 ND 98.6 6.69 2 33 0.0250 2 50 ND 931 6 98 24 Toluene 48-130 Ethylbenzene 2.31 0.0250 2.50 ND 92.2 45-135 6.84 27 .. 0.0500 27 4.78 5.00 ND 95.5 43-135 6.47 p,m-Xylene " o-Xylene 2.28 0.0250 2.50 ND 91.0 43-135 6.75 27 .. Total Xylenes 7.05 0.0250 7.50 ND 94.0 43-135 6.56 27 Surrogate: 1,2-Dichloroethane-d4 0.533 0.500 107 70-130 ,, Surrogate: Toluene-d8 0.498 0.500 99.5 70-130

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0.500

97.2

70-130

0.486

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 envirotech-inc.com

 24 Hour Emergency Response Phone (800) 362-1879
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Surrogate: Bromofluorobenzene

Notes



| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-4095) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Joseph Hernandez | 01/30/20 13:41 |

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory Reporting Spike Source %REC RPD Analyte Result Limit Units Level Result %REC Limits RPD Limit Batch 2005012 - DRO Extraction EPA 3570 Blank (2005012-BLK1) Prepared: 01/27/20 1 Analyzed: 01/29/20 0 Diesel Range Organics (C10-C28) ND 25.0 mg/kg Oil Range Organics (C28-C40) ND 50.0 54.6 .. 109 50-200 Surrogate: n-Nonane 50.0 LCS (2005012-BS1) Prepared: 01/27/20 1 Analyzed: 01/29/20 0 Diesel Range Organics (C10-C28) 443 25.0 mg/kg 500 88.7 38-132 Surrogate: n-Nonane 47.2 " 50.0 94.4 50-200 Source: P001075-03 Matrix Spike (2005012-MS1) Prepared: 01/27/20 1 Analyzed: 01/28/20 1 Diesel Range Organics (C10-C28) 481 25.0 500 ND 96.1 38-132 mg/kg 48.9 97.7 Surrogate: n-Nonane 50.0 50-200 Matrix Spike Dup (2005012-MSD1) Source: P001075-03 Prepared: 01/27/20 1 Analyzed: 01/28/20 1

| Diesel Range Organics (C10-C28) | 464 | 25.0 | mg/kg | 500 | ND | 92.8 | 38-132 | 3.50 | 20 | |
|---------------------------------|------|------|-------|------|----|------|--------|------|----|--|
| Surrogate: n-Nonane | 47.8 | | " | 50.0 | | 95.5 | 50-200 | | | |
| | | | | | | | | | | |

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| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-4095) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Joseph Hernandez | 01/30/20 13:41 |

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory Reporting Spike %REC RPD Source Analyte Result Limit Units Level Result %REC Limits RPD Limit Notes Batch 2005016 - Purge and Trap EPA 5030A Blank (2005016-BLK1) Prepared & Analyzed: 01/28/20 1 Gasoline Range Organics (C6-C10) ND 20.0 mg/kg Surrogate: 1,2-Dichloroethane-d4 0.546 " 0.500 109 70-130 Surrogate: Toluene-d8 0.485 " 0.500 97.0 70-130 " Surrogate: Bromofluorobenzene 0.442 0.500 88.3 70-130 LCS (2005016-BS2) Prepared & Analyzed: 01/28/20 1 Gasoline Range Organics (C6-C10) 46.1 20.0 50.0 92.2 70-130 mg/kg Surrogate: 1,2-Dichloroethane-d4 0.537 " 0.500 107 70-130 " 0.506 0.500 101 70-130 Surrogate: Toluene-d8 " 0.465 0.500 92.9 70-130 Surrogate: Bromofluorobenzene Matrix Spike (2005016-MS2) Source: P001076-01 Prepared & Analyzed: 01/28/20 1 Gasoline Range Organics (C6-C10) 43.4 70-130 20.0 mg/kg 50.0 ND 86.9 0.528 70-130 Surrogate: 1,2-Dichloroethane-d4 0.500 106 " Surrogate: Toluene-d8 0.497 0.500 99.3 70-130 " Surrogate: Bromofluorobenzene 0.466 0.500 93.2 70-130 Source: P001076-01 Prepared & Analyzed: 01/28/20 1 Matrix Spike Dup (2005016-MSD2) Gasoline Range Organics (C6-C10) 44.6 20.0 mg/kg 50.0 ND 89.2 70-130 2.61 20 0.501 Surrogate: 1,2-Dichloroethane-d4 0.500 100 70-130 " 101 0 503 0 500 70-130 Surrogate: Toluene-d8 ,, Surrogate: Bromofluorobenzene 0.472 0.500 94.4 70-130

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| WPX (Carlsbad) | Proje | ect Name: | R | DU 12 (2RP- | 4095) | | | | | | | |
|--|------------|--------------|---------|---------------------------------|-----------|--------------|--------|-----|----------------|-------|--|--|
| 5315 Buena Vista Dr | Proje | ect Number: | 0 | 4108-0639 | | Reported: | | | | | | |
| Carlsbad NM, 88220 | Proje | ect Manager: | Jo | Joseph Hernandez | | | | | 01/30/20 13:41 | | | |
| | Anio | ns by 300.(| 0/9056A | - Quality | Control | | | | | | | |
| Envirotech Analytical Laboratory | | | | | | | | | | | | |
| | | Reporting | | Spike | Source | | %REC | | RPD | | | |
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | | |
| Batch 2005019 - Anion Extraction EPA 3 | 00.0/9056A | | | | | | | | | | | |
| Blank (2005019-BLK1) | | | | Prepared & | Analyzed: | : 01/28/20 1 | | | | | | |
| Chloride | ND | 20.0 | mg/kg | | | | | | | | | |
| LCS (2005019-BS1) | | | | Prepared & | Analyzed: | : 01/28/20 1 | | | | | | |
| Chloride | 254 | 20.0 | mg/kg | 250 | | 102 | 90-110 | | | | | |
| Matrix Spike (2005019-MS1) | Sour | ce: P001076- | 01 | Prepared & Analyzed: 01/28/20 1 | | | | | | | | |
| Chloride | 1600 | 100 | mg/kg | 250 | 1360 | 96.3 | 80-120 | | | | | |
| Matrix Spike Dup (2005019-MSD1) | Sour | ce: P001076- | 01 | Prepared & | Analyzed: | : 01/28/20 1 | | | | | | |

| Mailly Spike Dup (2005017-MSD1) | Source. | 1001070-01 | i repareu o | c Anaryzeu. | 01/20/201 | L | | | |
|---------------------------------|---------|------------|-------------|-------------|-----------|--------|------|----|--|
| Chloride | 1620 | 100 mg/kg | 250 | 1360 | 104 | 80-120 | 1.26 | 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 my differ slightly.

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|---------------------------------------|--|------|---------|-----|-------------|----------|--|
|---------------------------------------|--|------|---------|-----|-------------|----------|--|

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| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-4095) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Joseph Hernandez | 01/30/20 13:41 |

Notes and Definitions

| ND | Analyte NOT DETECTED at or above the reporting limit |
|----|--|
| | |

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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| Project Information | stody | 1 | | | | | - | | . Pa | ge I | of | |
|--|--|--------------------|---------------------------|-----------------|--------------|-------------|-------------------------------|---|----------------|--------------|---------------|-------------------|
| Client: WPX | Report Attention | (| 1 ALCON | 0.986 | | b Use | | | TAT | | A Progra | |
| Project: RDU 12 (289-4095) | Report due by: Standard T/ | | | WO | | | ob Nu | | 1D 3D | RCRA | CWA | SDWA |
| Project Manager: Joseph Hernandez | Attention: | | Analysis and Method State | | | | | | 2 | | | |
| Address: P. o Box 62228 | Address: | | | 1 | 1.5.1 | An | alysis | and Metho | od | | Sta | C |
| <u>City, State, Zip</u> Phone: | City, State, Zip Phone: | | 3015 | 3015 | | | | Ve | | | NM CO | |
| Email: Lyndar (2 wpX | March As | | by 8 | by 8 | 021 | 60 | 10 | DOC | | | X | 4 |
| | Email: Juseph@ etechem | Lab | ORO | DRO | by 8 | oy 82 | ls 60 | 2 | | | \bigwedge | |
| Sampled Sampled Matrix Containers Sample ID | | Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 Chloride 300.0 | BG, | | | Rem | narks |
| 1:45pm 1.22.20 5 1 TT1 | @ Z' | A | | | | | | X | | | | |
| 2:20pm 1.22.20 (1 TT 1 | @ 12' | 2 | | | | | 1 | 1 | 10 | | | |
| 10:45 am 1.23.20 1 1 TZ | @ z' | 3 | | | | | | | | | | |
| 10:50 am 1.23.20 y 1 TTZ | @ 4' | 4 | 5 | | | | | | | | | |
| 11:15an 1 TT3 | @ 2' | 5 | | | | | | | | | | |
| 11:20 an V / / TT 3 | Q 4' | 6 | | | | | | | | | | |
| 1:00 pm | @ 2' | 7 | | | | | | | | | | |
| 12:05pm AH1 | <u>@</u> 4' | 8 | | | | | | | | | | E. |
| 12:10 pm / AHZ | @ Z' | 9 | | | | | | | | | | |
| R: 15 pm / 1 1 AHZ | @ 4' | 10 | | | | | | k | | | | |
| Additional Instructions: | _ | | | | | | | | | | | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am time of collection is considered fraud and may be grounds for legal action. | · · · · · · · · · · · · · · · · · · · | sample locatior | n, date d | or | | | | uiring thermal pre ked in ice at an av | | | | |
| Relinquished by: (Signature) Date Time 1.23.26 4:1 | Received by (Signature) | Date 1-23-2 | 2070 | Time | 1610 | O R | leceiv | ed on ice: | | se Only N | | |
| Refinquished by: (Signature) Date Time | Received by: (Signature) | Date | D | Time | | Т | 1 | emp °C | <u>T2</u> 4 | | <u>T3</u> | |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Ot | her 0 | Containe | r Typ | | | | | stic, ag - a | mber glass | s, v - VOA | | |
| Note: Samples are discarded 30 days after results are reported un samples is applicable only to those samples received by the laboration of the samples received by the samples rece | less other arrangements are made. Hazardous sam story with this COC. The liability of the laboraotry is | ples will be re | eturne | d to cli | ient or | dispose | d of at t | | | | analysis of t | he above |
| Benvirotech | 5796 US Highway 64, Farmington, NM 83 | | | | | Ph (505) | 632-0615 | Fx (505) 632-1865 | 5 | | e | nvirotech-inc.com |
| Analytical Laboratory | Three Springs • 65 Mercado Street, Suite | 115, Durango, CO 8 | 31301 | | | Ph (970) . | 259-0615 | Fr (800) 362-1879 | | | laboratory@e | nvirotech-inc.com |

Released to Imaging: 9/6/2023 4:19:11 PM

•

| Client: | Chain of Custo Report Attention | ody | | La | ib Use | Only | | TAT | Pa EF | ge C PA Progra | of |
|---|---|----------------------------|------------------------------------|--------------|-----------------|-------------------------------|------------------|--------------------------------------|--------------|---------------------------|--------------------|
| Project: | Report due by: Standard The | AT | ab WC | | | lob Nur | nber | 1D 3D | RCRA | CWA | SDWA |
| Project Manager: | Attention: | | Р | | | | | | | | |
| Address: | Address: | | | | Ar | nalysis a | nd Metho | od | | Sta | ate |
| City, State, Zip | City, State, Zip | | 15 15 | | | | 1 | | | NM CO | ate g |
| Phone: | Phone: | | v 80 | | | 0.0 | JE | | | V | |
| Email: Lyndar WPX | Email: 10seph @ etechenv | .com | d O b d O b | 802 | 826 | 5010 2 30(| 6 | | 12 | \wedge | - |
| Time Date Matrix No Containers Sampled ID | , , , , , , , , , , , , , , , , , , , | Lab Number | DRO/ORO by 8015 GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 Chloride 300.0 | BGDO | | | Rem | narks |
| 12:20pm 1.2320 5 1 AH 3 | @ 2' | 11 | | | | | X | | | | |
| 12:25m 1 5 1 Att 3 | @ 4' | 12 | | ÷ | | | 1 | | 1 | | |
| 12:50m 5 (AH 4 | @ 2' | 13 | | | | | | | | | |
| 12:55 V 5 1 Att 4 | Q 4' | 14 | | | | | V | 1 | | | |
| | | | | | | 8 | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | d. | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | ×- |
| Additional Instructions: | | | | | | | | | | | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am a time of collection is considered fraud and may be grounds for legal action. So | | ple location, o | date or | | | | - | eservation must l vg temp above 0 | | | 54 |
| | opm met 1 | ^{0ate} -23-20 | 7im 20 | e 1613 | 2 | Receive | d on ice | | se Only N | | |
| Refinquished by: (Signature) Date Time 124.2020 19 | 15 Daina Toper 1 | 1 24/2 0 | , IC | 1.30 | - | T <u>1</u> AVG Te | mp °C | <u>T2</u> | | <u>T3</u> | |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Oth | | | Type: g | - glas | s, p - p | | | mber glas | | | II. |
| Note: Samples are discarded 30 days after results are reported unle samples is applicable only to those samples received by the laborat | | | | | | | e client exp | ense. The re | port for the | analysis of t | he above |
| Benvirotech | 5796 US Highway 64, Farmington, NM 87401 | | | | | | 'x (505) 632-186 | | | COLUMN THE REAL PROPERTY. | envitotech-inc.con |
| Analytical Laboratory | Three Springs - 65 Mercado Street, Suite 115, | , Durango, CO 813 | 101 | | Ph (970) |) 259-0615 | r (800) 362-187 | 9 | | laboratory@e | envirotech-inc.com |



Analytical Report

Report Summary

Client: WPX (Carlsbad)

Samples Received: 2/27/2020 Job Number: 04108-0639 Work Order: P002090 Project Name/Location: RDU 12 (2RP-4095)

Walter Hinkown

Date: 2/28/20

Report Reviewed By:

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted 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 NM009792018-1 for the data reported. Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

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| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-4095) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Lynda Laumbach | 02/28/20 13:35 |

Analytical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| AH5 @ 2' | P002090-01A | Soil | 02/25/20 | 02/27/20 | Glass Jar, 4 oz. |
| AH5 @ 4' | P002090-02A | Soil | 02/25/20 | 02/27/20 | Glass Jar, 4 oz. |
| AH6 @ 2' | P002090-03A | Soil | 02/25/20 | 02/27/20 | Glass Jar, 4 oz. |
| AH6 @ 4' | P002090-04A | Soil | 02/25/20 | 02/27/20 | Glass Jar, 4 oz. |
| AH7 @ 2' | P002090-05A | Soil | 02/25/20 | 02/27/20 | Glass Jar, 4 oz. |
| AH7 @ 4' | P002090-06A | Soil | 02/25/20 | 02/27/20 | Glass Jar, 4 oz. |

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| WPX (Carlsbad) | Projec | t Name: | RDU 12 (2RP-4095) | | | | | | | |
|--|--------|------------|-------------------|------------|---------|----------|----------|--------------------|-----------|--|
| 5315 Buena Vista Dr | Projec | t Number: | 04108-0639 | | | | | Reported: | Reported: | |
| Carlsbad NM, 88220 | Projec | t Manager: | Lynd | a Laumbach | | | | 02/28/20 13: | 35 | |
| | | A | H5 @ 2' | | | | | | | |
| | | | 90-01 (So | olid) | | | | | | |
| | | Reporting | | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes | |
| Volatile Organics by EPA 8021 | | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 106 % | 50 | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | | |
| Nonhalogenated Organics by 8015 - DRO/OR | 0 | | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | | |
| Surrogate: n-Nonane | | 90.6 % | 50 | -200 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | | |
| - Surrogate: 1-Chloro-4-fluorobenzene-FID | | 93.6 % | 50- | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | | |
| Anions by 300.0/9056A | | | | | | | | | | |
| Chloride | ND | 100 | mg/kg | 5 | 2009031 | 02/27/20 | 02/27/20 | EPA 300.0/9056A | | |

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| WPX (Carlsbad) | Project | t Name: | RDU | 12 (2RP-40 | 95) | | | | |
|---|---------|------------|-----------|-------------|---------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project | t Number: | 0410 | 8-0639 | | | | Reported: | |
| Carlsbad NM, 88220 | Project | t Manager: | Lynd | la Laumbach | l | | | 02/28/20 13: | 35 |
| | | A | H5 @ 4' | | | | | | |
| | | | 90-02 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 104 % | 50 | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/O | RO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 91.7 % | 50 | -200 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 92.5 % | 50 | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 178 | 100 | mg/kg | 5 | 2009031 | 02/27/20 | 02/27/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Project | Name: | RDU | 12 (2RP-40 | 95) | | | | |
|---|---------|-----------|-----------|------------|---------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project | Number: | 04108 | 8-0639 | | | | Reported: | |
| Carlsbad NM, 88220 | Project | Manager: | Lynda | a Laumbach | | | | 02/28/20 13: | 35 |
| | | A | H6 @ 2' | | | | | | |
| | | | 90-03 (So | lid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 104 % | 50- | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO | /ORO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 94.7 % | 50- | -200 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 95.0 % | 50- | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 173 | 100 | mg/kg | 5 | 2009031 | 02/27/20 | 02/27/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Proje | ct Name: | RDU | J 12 (2RP-40 | 95) | | | | |
|--|--------|-------------|-----------|--------------|---------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Proje | ct Number: | 0410 | 8-0639 | | | | Reported: | |
| Carlsbad NM, 88220 | Proje | ct Manager: | Lynd | la Laumbach | | | | 02/28/20 13: | 35 |
| | | A | H6 @ 4' | | | | | | |
| | | | 90-04 (So | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 104 % | 50 | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/OR | 0 | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 95.4 % | 50 | -200 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| - Surrogate: 1-Chloro-4-fluorobenzene-FID | | 92.8 % | 50 | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 155 | 100 | mg/kg | 5 | 2009031 | 02/27/20 | 02/27/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Projec | t Name: | RDU | 12 (2RP-40 | 95) | | | | |
|--|--------|------------|-----------|-------------|---------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Projec | t Number: | 0410 | 8-0639 | | | | Reported: | |
| Carlsbad NM, 88220 | Projec | t Manager: | Lynd | la Laumbach | L | | | 02/28/20 13: | 35 |
| | | A | H7 @ 2' | | | | | | |
| | | | 90-05 (So | | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 100 % | 50 | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/OR | 0 | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 87.3 % | 50 | -200 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 85.6 % | 50 | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 212 | 100 | mg/kg | 5 | 2009031 | 02/27/20 | 02/27/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Project | Name: | RDU | 12 (2RP-40 | 95) | | | | |
|---|---------|-----------|-----------|------------|---------|----------|----------|--------------------|-------|
| 5315 Buena Vista Dr | Project | Number: | 0410 | 8-0639 | | | | Reported: | |
| Carlsbad NM, 88220 | Project | Manager: | Lynd | a Laumbach | | | | 02/28/20 13: | 35 |
| | | A | H7 @ 4' | | | | | | |
| | | | 90-06 (Sa | olid) | | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 101 % | 50- | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/ | ORO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 93.5 % | 50- | -200 | 2009029 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 85.0 % | 50- | -150 | 2009030 | 02/27/20 | 02/27/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 142 | 100 | mg/kg | 5 | 2009031 | 02/27/20 | 02/27/20 | EPA 300.0/9056A | |

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| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-4095) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Lynda Laumbach | 02/28/20 13:35 |

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

| | | | · | | · | | | | | |
|--|--------|--------------------|-------|----------------|------------------|-------------|----------------|------|--------------|-------|
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch 2009030 - Purge and Trap EPA 5030A | | | | | | | | | | |
| Blank (2009030-BLK1) | | | | Prepared: (| 02/27/20 0 A | Analyzed: (| 02/27/20 1 | | | |
| Benzene | ND | 0.0250 | mg/kg | | | | | | | |
| Toluene | ND | 0.0250 | " | | | | | | | |
| Ethylbenzene | ND | 0.0250 | " | | | | | | | |
| p,m-Xylene | ND | 0.0500 | " | | | | | | | |
| o-Xylene | ND | 0.0250 | " | | | | | | | |
| Total Xylenes | ND | 0.0250 | " | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.34 | | " | 8.00 | | 104 | 50-150 | | | |
| LCS (2009030-BS1) | | | | Prepared: (| 02/27/20 0 4 | Analyzed: (| 2/27/20 1 | | | |
| Benzene | 4.94 | 0.0250 | mg/kg | 5.00 | | 98.7 | 70-130 | | | |
| Toluene | 4.94 | 0.0250 | | 5.00 | | 98.8 | 70-130 | | | |
| Ethylbenzene | 4.93 | 0.0250 | | 5.00 | | 98.6 | 70-130 | | | |
| o,m-Xylene | 9.84 | 0.0500 | | 10.0 | | 98.4 | 70-130 | | | |
| o-Xylene | 4.93 | 0.0250 | | 5.00 | | 98.6 | 70-130 | | | |
| Total Xylenes | 14.8 | 0.0250 | " | 15.0 | | 98.5 | 0-200 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.42 | | " | 8.00 | | 105 | 50-150 | | | |
| Matrix Spike (2009030-MS1) | Sou | ırce: P002090- | 01 | Prepared: (| 02/27/20 0 4 | Analyzed: 0 | 2/27/20 1 | | | |
| Benzene | 4.96 | 0.0250 | mg/kg | 5.00 | ND | 99.1 | 54.3-133 | | | |
| Toluene | 4.96 | 0.0250 | " | 5.00 | ND | 99.2 | 61.4-130 | | | |
| Ethylbenzene | 4.96 | 0.0250 | | 5.00 | ND | 99.1 | 61.4-133 | | | |
| p,m-Xylene | 9.90 | 0.0500 | | 10.0 | ND | 99.0 | 63.3-131 | | | |
| p-Xylene | 4.96 | 0.0250 | " | 5.00 | ND | 99.3 | 63.3-131 | | | |
| Total Xylenes | 14.9 | 0.0250 | " | 15.0 | ND | 99.1 | 0-200 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.40 | | " | 8.00 | | 105 | 50-150 | | | |
| Matrix Spike Dup (2009030-MSD1) | Sou | ırce: P002090- | 01 | Prepared: (| 02/27/20 0 4 | Analyzed: 0 | 02/27/20 1 | | | |
| Benzene | 5.11 | 0.0250 | mg/kg | 5.00 | ND | 102 | 54.3-133 | 3.13 | 20 | |
| Toluene | 5.09 | 0.0250 | " | 5.00 | ND | 102 | 61.4-130 | 2.55 | 20 | |
| Ethylbenzene | 5.07 | 0.0250 | " | 5.00 | ND | 101 | 61.4-133 | 2.31 | 20 | |
| o,m-Xylene | 10.1 | 0.0500 | " | 10.0 | ND | 101 | 63.3-131 | 2.15 | 20 | |
| p-Xylene | 5.07 | 0.0250 | " | 5.00 | ND | 101 | 63.3-131 | 2.20 | 20 | |
| Total Xylenes | 15.2 | 0.0250 | " | 15.0 | ND | 101 | 0-200 | 2.17 | 200 | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.44 | | " | 8.00 | | 105 | 50-150 | | | |
| | | | | | | | | | | |

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| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-4095) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Lynda Laumbach | 02/28/20 13:35 |

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---|--------|---------------|-------|-------------|--------------|-------------|-----------|-------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 2009029 - DRO Extraction EPA 3570 | | | | | | | | | | |
| Blank (2009029-BLK1) | | | | Prepared: (|)2/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | | | | | | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | " | | | | | | | |
| Surrogate: n-Nonane | 46.1 | | " | 50.0 | | 92.2 | 50-200 | | | |
| LCS (2009029-BS1) | | | | Prepared: (| 02/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| Diesel Range Organics (C10-C28) | 453 | 25.0 | mg/kg | 500 | | 90.6 | 38-132 | | | |
| Surrogate: n-Nonane | 47.5 | | " | 50.0 | | 95.0 | 50-200 | | | |
| Matrix Spike (2009029-MS1) | Sou | rce: P002090- | 01 | Prepared: (| 02/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| Diesel Range Organics (C10-C28) | 462 | 25.0 | mg/kg | 500 | ND | 92.4 | 38-132 | | | |
| Surrogate: n-Nonane | 48.3 | | " | 50.0 | | 96.5 | 50-200 | | | |
| Matrix Spike Dup (2009029-MSD1) | Sou | rce: P002090- | 01 | Prepared: (| 02/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| Diesel Range Organics (C10-C28) | 466 | 25.0 | mg/kg | 500 | ND | 93.2 | 38-132 | 0.836 | 20 | |
| Surrogate: n-Nonane | 48.6 | | " | 50.0 | | 97.2 | 50-200 | | | |
| | | | | | | | | | | |

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| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-4095) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Lynda Laumbach | 02/28/20 13:35 |

Nonhalogenated Organics by 8015 - GRO - Quality Control

| Envirotech Analytical Laboratory | | | | | | | | | | |
|--|--------|--------------------|-------|----------------|------------------|-------------|----------------|------|--------------|--------|
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch 2009030 - Purge and Trap EPA 5030A | Ittout | 2 | ento | Lever | rtosuit | , viale | | iu b | | 110000 |
| Blank (2009030-BLK1) | | | | Prepared: (|)2/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.53 | | " | 8.00 | | 94.1 | 50-150 | | | |
| LCS (2009030-BS2) | | | | Prepared: (|)2/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| Gasoline Range Organics (C6-C10) | 46.6 | 20.0 | mg/kg | 50.0 | | 93.3 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.45 | | " | 8.00 | | 93.1 | 50-150 | | | |
| Matrix Spike (2009030-MS2) | Sour | ce: P002090- | 01 | Prepared: (|)2/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| Gasoline Range Organics (C6-C10) | 46.4 | 20.0 | mg/kg | 50.0 | ND | 92.9 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.53 | | " | 8.00 | | 94.2 | 50-150 | | | |
| Matrix Spike Dup (2009030-MSD2) | Sour | ce: P002090- | 01 | Prepared: (|)2/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| Gasoline Range Organics (C6-C10) | 47.5 | 20.0 | mg/kg | 50.0 | ND | 94.9 | 70-130 | 2.15 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.39 | | " | 8.00 | | 92.4 | 50-150 | | | |

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| | Anions by 300.0/90 | 956A - Quality Control | |
|---------------------|--------------------|------------------------|----------------|
| Carlsbad NM, 88220 | Project Manager: | Lynda Laumbach | 02/28/20 13:35 |
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-4095) | |

Envirotech Analytical Laboratory

| | | | - | | - | | | | | |
|---|------------|--------------|-------|-------------|--------------|-------------|-----------|-----|-------|-------|
| | | Reporting | | Spike | Source | | %REC | | RPD | |
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 2009031 - Anion Extraction EPA 3(|)0.0/9056A | | | | | | | | | |
| Blank (2009031-BLK1) | | | | Prepared: 0 | 02/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| Chloride | ND | 20.0 | mg/kg | | | | | | | |
| LCS (2009031-BS1) | | | | Prepared: 0 | 02/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| Chloride | 263 | 20.0 | mg/kg | 250 | | 105 | 90-110 | | | |
| Matrix Spike (2009031-MS1) | Sourc | e: P002090-(| 01 | Prepared: 0 | 02/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| Chloride | 331 | 100 | mg/kg | 250 | ND | 132 | 80-120 | | | M1 |
| Matrix Spike Dup (2009031-MSD1) | Sourc | e: P002090- | 01 | Prepared: 0 | 02/27/20 0 A | Analyzed: 0 | 2/27/20 1 | | | |
| | | | | | | | | | | |

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 my differ slightly.

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| 24 Hour Emergency Response Phone (800) 362-1879 | | Labadmin@envirotech-inc.com |



| WPX (Carlsbad) | Project Name: | RDU 12 (2RP-4095) | |
|---------------------|------------------|-------------------|----------------|
| 5315 Buena Vista Dr | Project Number: | 04108-0639 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Lynda Laumbach | 02/28/20 13:35 |

Notes and Definitions

M1 Matrix spike recovery was above acceptance 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

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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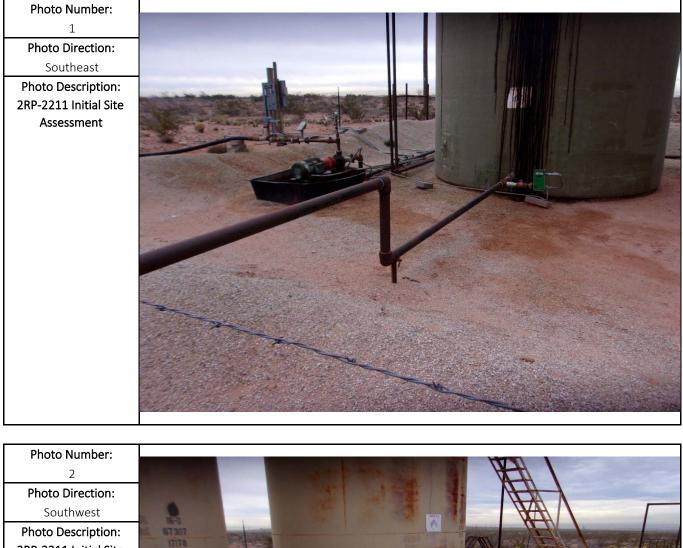
24 Hour Emergency Response Phone (800) 362-1879

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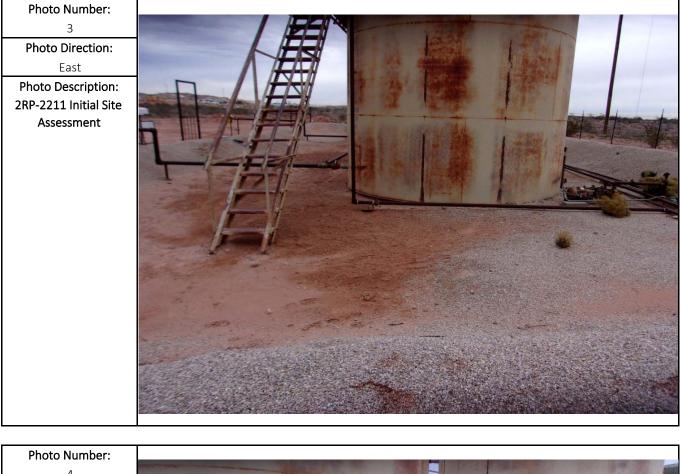
Labadmin@envirotech-inc.com

| Project Information | Chain of C | lustody | | | | | | | | | | | Page of |
|---|--|--|-----------------|-----------------|--------------|---------------|----------------|----------------------------|-----------|------------|------------|------------------|----------------------------|
| Client: UPX Project: KDV 12. (2RP-4095) | Report Attention | | | | | | e Only | | | 1111 | TAT | | EPA Program |
| Project. 100 12 (200-9095) | Report due by: | , | | WO# | | | Jop N | | | 1D | 3D | RCRA | CWA SD |
| Project Manager: | Attention: | | PD | 020 | 290 | | 04108 | 3-04 | 139 | | | | |
| Address: | Address: | ÷ | | | | | Analysi | is and | Meth | noď | | | State |
| City, State, Zip | City, State, Zip | | 15 | 15 | | | | W | | | | | NM CO UT |
| Phone: | Phone: | | V 80 | / 80 | | | 0. | 2 | | | | | V |
| Email: Lynda @ WPX | Email: joseph@etechenu | 1.com | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Chloride 300.0 | BGDOC-NM | 3 | A A | | | |
| Time Date No Council ID | J C | Lab | /OR | /DR | β | by 8 | ride | 9 | TCEQ 1005 | BGDOC - TX | | | |
| Sampled Sampled Watrix Containers Sample ID | | Number | NO. | SRO, | TEX | S | hlor | 8 | CEO EO | ep d | | | Remarks |
| | 0 1 | Number | | 0 | 8 | > | 0 | ~ | | | | | - |
| 2:00pm 2:25:20 5 1 AH5 | (e) Z | 1 | | | | | / | K | | | | | |
| 2:15pm < 1 Att 5 | a u' | 2 | | | | | | v | | | | | |
| 2:(spm 5 1 Att 5 | 67 | 2 | | | | | | ^ | | | | | |
| 2:30 pm 5 1 AH6 | $\begin{array}{c} @ \ Z' \\ @ \ 4' \\ @ \ 2' \\ @ \ 4' \\ @ \ 2' \\ @ \ 2' \\ @ \ 4' \end{array}$ | 3 | | | | | 1 | $\langle $ | | | | | |
| 2:45pm 5 1 AH6 | @ 41 | 4 | 2 | | | | | v | | - | | | |
| | EI | | | | | | | 1 | _ | | | | |
| 3:00 pm 5 1 AH 7 | @ Z' | 5 | | | | | | X | | | | | |
| 3:15 pm V S 1 AH 7 | Q 41 | 6 | | | | | | V | | | | | |
| | (av 7 | 4 | | | | | / | ^ | | _ | | | |
| | | | | | | | | | | | | | |
| | The second se | Store? | | | | | | | | | | | |
| | | and the second | _ | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | 0 | 12000 | | | | | | | | | | | |
| Additional Instructions: | | | | | | | | | | | | | |
| $\mathcal{H} Z^{\prime}$ | 4 hr TAT | | | | | | | | | | | | |
| (field sampler), attest to the validity and authenticity of this sample. I am awa | | ocation, date or | | | | S | amples rec | uiring th | ermal pro | eservation | must be re | ceived on ice tl | he day they are sampled or |
| ime of collection is considered fraud and may be grounds for legal action. Sam | pled by: | | | | | | | | | | | | on subsequent days. |
| elinquished by: (Signature) Date Time | | Date | 1 | Time | | | Start . | | | 1.150 | ahlle | e Only | |
| ml 7.75.20 x | 1500 2 54 | 2-25. | | 1- | 115 | ≤ 1 | Receiv | od - | | / | N N | comy | |
| elinguished by: (Signature) Date Time | Received by: (Signature) | V | - | lime l | la | | | eu oi | in ice: | TO | N | | TO |
| 2 2 2 2.26.2020 | 1325 Raine Lorens | Date 2/27 | au | 1.00 | 20 | 1 | Γ1 | | 0 | 112 | | | <u>T3</u> |
| | ISCO Kauna LOWK (| 1 an an | | 9. | | | AVG T | Construction of the second | | 7_ | | | 周期的制度的公司 。 |
| ample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other | | Container | Type: | g - gla | ass, p | o - po | ly/plas | tic, ag | g - am | ber gla | ss, v - | VOA | |
| ote: Samples are discarded 30 days after results are reported unless nly to those samples received by the laboratory with this COC. The | other arrangements are made. Hazardous samples will b liability of the laboratory is limited to the amount paid for | pe returned to cli r on the report. | ent or d | lispose | d of at | the cli | ent expe | ense. T | he repo | ort for th | ne analys | is of the ab | ove samples is applical |
| - | | | | | | | | | | | | | |
| envirotech | 5795 US Highway 64, Farmington, NM 87401 | | | | Ph | (505) 6 | 532-1881 | Fx (50 | 5) 632-1 | 865 | | env | virotech-inc.com |

Appendix D Photographic Log







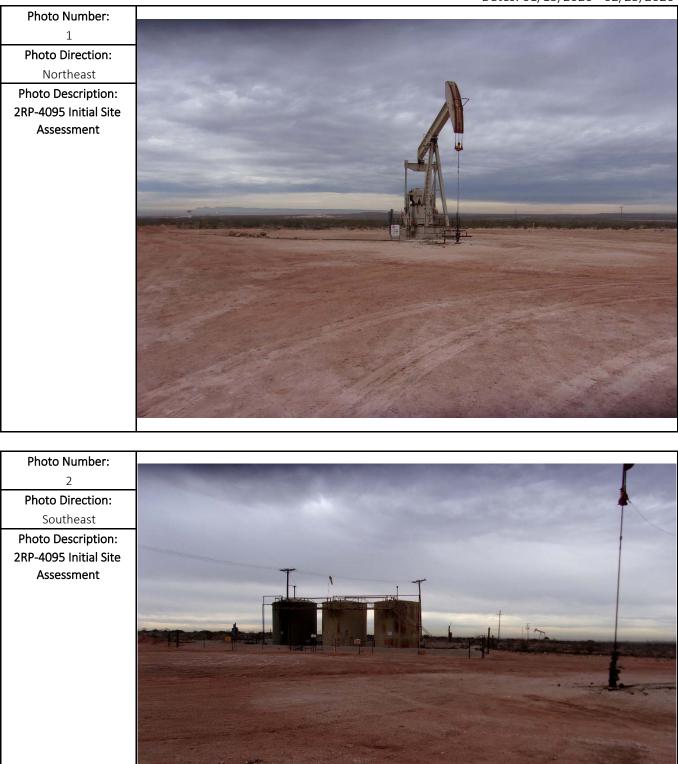




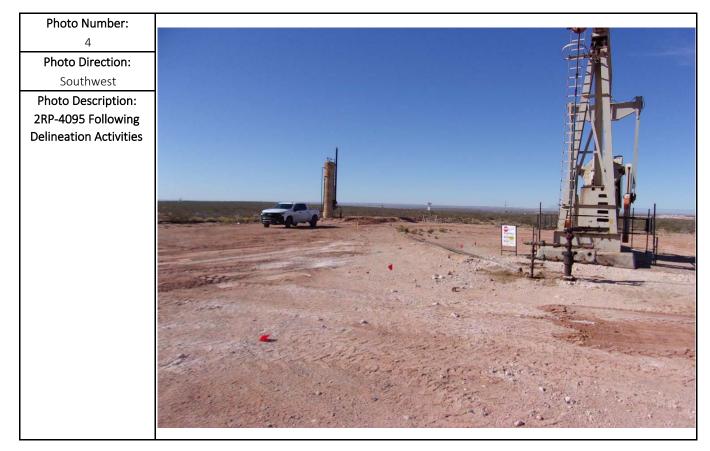


Received by OCD: 9/5/2023 9:23:35 AM Site Name: RDU 12

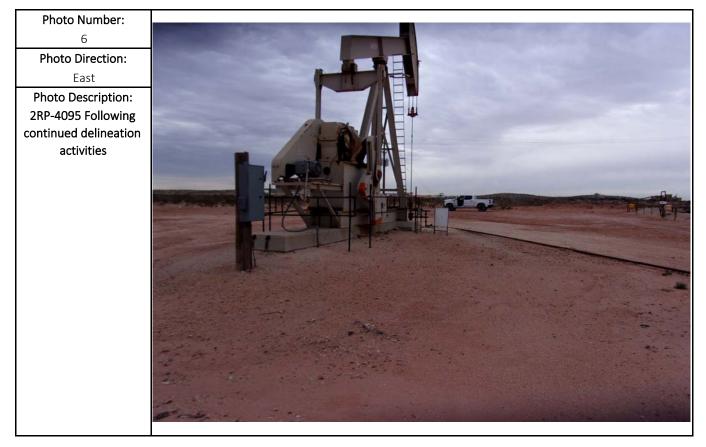
Photographic Log











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

Released to Imaging: 9/6/2023 4:19:11 PM

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

CONDITIONS

| Operator: 0 | OGRID: |
|---------------------------|---|
| WPX Energy Permian, LLC | 246289 |
| Devon Energy - Regulatory | Action Number: |
| Oklahoma City, OK 73102 | 261729 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |
| | |

CONDITIONS

| Created By | Condition | Condition Date |
|------------------|-----------|-------------------|
| michael.buchanan | None | 9/6/2023 |

Action 261729

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