



October 31, 2023

New Mexico Energy Minerals and Natural Resources Department

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Closure Request Addendum
North Brush Draw Federal 35 #012H
Incident Numbers nAPP2232043831 & nAPP2302534751
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of WPX Energy Permian, LLC. (WPX), has prepared this *Closure Request Addendum* to document additional soil sampling activities at the North Brushy Draw Federal 35 #012H (Site) (Figure 1). On April 12, 2023, A *Closure Request* (CR), authored by Wescom, Inc. (Wescom), was submitted to the New Mexico Oil Conservation Division (NMOCD) for the releases associated with Incident Numbers nAPP2232043831 & nAPP2302534751; however, the request was denied by the NMOCD. The original CR and other supporting documents can be viewed on the NMOCD web portal.

The purpose of this *Closure Request Report Addendum* (CRRRA) is to address concerns by NMOCD regarding sidewall sampling near the edge of the secondary containment. Based on field observations, field screening activities, and laboratory analytical results from soil sampling events, WPX is requesting Closure for Incident Numbers nAPP2232043831 & nAPP2302534751.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit O, Section 35, Township 25 South, Range 29 East, Eddy County, New Mexico (32.079725°, -103.9516162°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On November 16, 2022, a water line developed a leak, resulting in the release of 32 barrels (bbls) of produced water into a lined secondary containment and 1 bbl to the pad surface; approximately 31 bbls were recovered from inside containment. WPX reported the release to NMOCD on a Release Notification Form C-141 (Form C-141) on November 16, 2022. The release was assigned Incident Number nAPP2232043831.

On January 23, 2023, a thermowell on a separator failed, resulting in the release of 25 bbls of produced water into a lined secondary containment and 1 bbl to the pad surface; approximately 25 bbls were recovered from inside containment. WPX reported the release to NMOCD on a Form C-141 on January 25, 2023. The release was assigned Incident Number nAPP2302534751.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of Form C-141, Site Assessment/Characterization included in Appendix A.

The closest permitted groundwater well with depth to groundwater data is WPX well MW-1, associated with North Brushy Draw Federal 35 #010H, with a depth to groundwater measurement greater than 105 feet below ground surface (bgs). The well is located on Site and the most recent documented water level measurement was collected on December 16, 2020. All wells used for depth to groundwater determination are depicted on Figure 1 and the referenced well records are included in Appendix B.

The closest continuously flowing or significant watercourse to the Site is an unnamed dry wash, located approximately 312 feet South of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

DELINEATION AND CONFIRMATION SOIL SAMPLING

On September 7, 2023, Ensolum personnel visited the Site to perform additional soil sampling activities and to verify the lateral extent of the release areas. Delineation soil samples SS06 and SS07 were collected from the northeast and northwest corners of the separator containment at ground surface. Delineation soil samples were field screened for chloride using the MOHR titration method. The release extent and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was collected, and a photographic log is included in Appendix C.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech, Inc. (Envirotech) in Farmington, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

A 5-point composite sidewall soil sample (SW01) was collected from an area 200 square feet in size along the southern edge of the separator containment at ground surface. The 5-point composite sidewall sample was collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag

and homogenizing the sample by thoroughly mixing. The sample was handled in the same manner as described above and the location of the confirmation sidewall sample is depicted on Figure 3.

Ensolum personnel returned to the Site on October 18, 2023, to advance a borehole via hand auger in the middle of the first release extent. Borehole sample SS08, was advanced to 2.25 feet bgs to attempt to successfully define the vertical soil of the first release extent. Field screening results and observations for the pothole was logged on a lithologic soil sampling log, which is included in Appendix D.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples SS06 and SS07, collected in the immediate area surrounding the Separator containment, indicated all COC concentrations were in compliance with the Site Closure Criteria and with the reclamation requirement.

Laboratory analytical results from confirmation sidewall sample SW01 indicated all COC concentrations were in compliance with the Site Closure Criteria. Laboratory analytical results from borehole sample SS08B indicated all COC concentrations were in compliance with the Site Closure Criteria and with the reclamation requirement at 2 feet bgs. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix E.

CLOSURE REQUEST

Site assessment and delineation soil sampling activities were conducted at the Site to assess for the presence or absence of impacted soil resulting from the November 2022 and January 2023 releases of produced water. Laboratory analytical results for soil samples collected around and within the release extent (SS01 through SS04 and SS05A through SS08C) indicated all delineation soil samples were compliant with the Site Closure Criteria and provided lateral and vertical delineation to the strictest Closure Criteria.

Confirmation soil sample CONF01 and confirmation sidewall sample SW01 indicated all COC concentrations were in compliance with the Site Closure Criteria and lateral delineation soil samples SS02 through SS07 verify the releases remained on-pad and do not extend beyond the release extents or the separator containment.

The two produced water releases occurred in lined containment and on pad directly next to active production equipment and flowlines. Assessment activities have confirmed the absence of impacts to soil at the Site. The lateral delineation samples were collected directly outside of the visible release extents were possible (southern and east). Due to the presence of the production equipment to the north, lateral soil samples were collected in appropriate areas to the north and west and added a confirmation sidewall soil sample (SW01) as required by NMOCD to confirm the absence of impacts beneath the production equipment. Impacts do not appear to be beneath the production equipment and as such, deferral of remediation is not required for these two releases. Lastly, reclamation of the well pad will coincide with the plugging and abandonment of the production well, which reduces the transport and disposal of non-impacted caliche to a landfill and requiring additional road traffic and procurement of new caliche, all of which would be more adverse to the environment if completed now and at the time of plugging and abandonment.

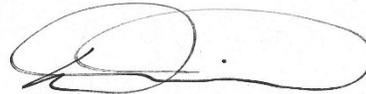
Based on the findings and conclusions drawn above and a depth to groundwater greater than 105 feet bgs, WPX believes these Site assessment and delineation activities have been protective of human health, the environment, and groundwater and respectfully requests approval of this *CRR*A for Incident Numbers nAPP2232043831 & nAPP2302534751.

If you have any questions or comments, please contact Ms. Ashley Giovengo at (575) 988-0055 or agiovengo@ensolum.com.

Sincerely,
Ensolum, LLC



Ashley Giovengo
Senior Engineer



Daniel R, Moir, PG
Senior Managing Geologist

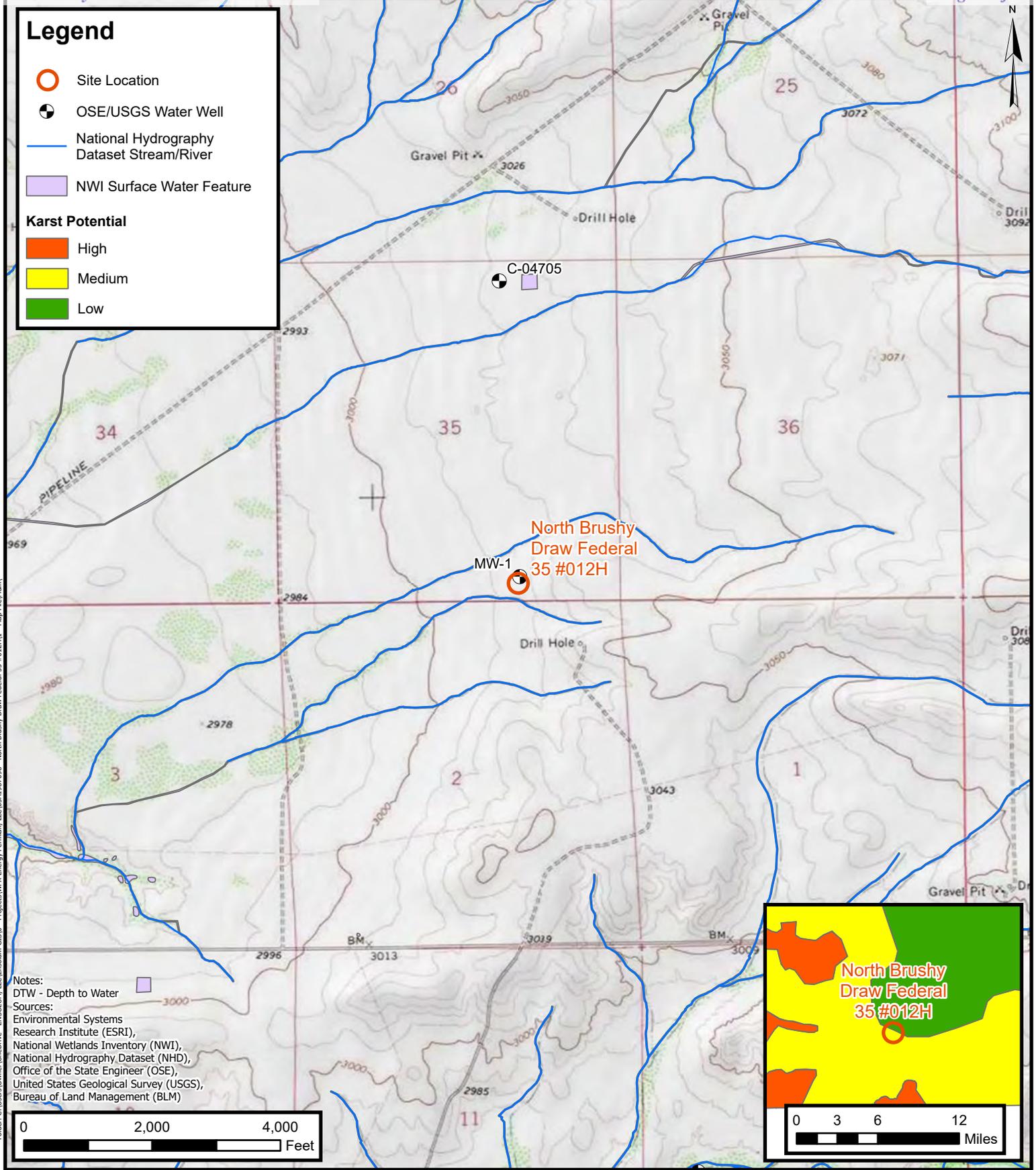
cc: James Raley, Devon Energy
BLM

Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Confirmation Soil Sample Locations
- Table 1 Soil Sample Analytical Results
- Appendix A Form C-141
- Appendix B Well Record and Log
- Appendix C Photographic Log
- Appendix D Lithologic Soil Sampling Logs
- Appendix E Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix F NMOCD Notifications



FIGURES



Folder: C:\Users\Owner\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\WPX Energy Permian, LLC\03A1987998 - North Brushy Draw Federal 35 #012H1 - Map File\Main



Site Receptor Map
 WPX Energy Permian, LLC
 North Brushy Draw Federal 35 #012H
 Incident Number: nAPP2302534751 & nAPP2232043831
 Unit O, Section 35, T 25S, R29E
 Eddy County, New Mexico

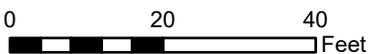
FIGURE
1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Release Extent (1st Spill)
- Release Extent (2nd Spill)



Notes:
Sample ID @ Depth Below Ground Surface



Source:
Bing Maps



Delineation Soil Sample Locations

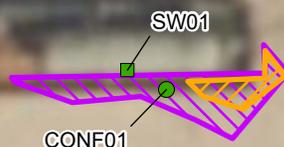
WPX Energy Permian, LLC
North Brushy Draw Federal 35 #012H
Project Number: 03A1987098
Unit O, Section 35, T 25S, R29E
Eddy County, New Mexico

FIGURE
2

Document Path: C:\Users\Peter.Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\GIS\Map Path Structure3 - Cambach\WPX Energy, Inc\03A1987098 - North Brushy Draw Federal 35 #012H.aprx

Legend

- Confirmation Soil Sample
- Sidewall Sample
- Release Extent (1st Spill)
- Release Extent (2nd Spill)



Source: Bing Maps



Confirmation Soil Sample Locations

WPX Energy Permian, LLC
 North Brushy Draw Federal 35 #012H
 Project Number: 03A1987098
 Unit O, Section 35, T 25S, R29E
 Eddy County, New Mexico

FIGURE
3



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 North Brushy Draw Fed 35 #012H
 WPX Energy Permain, LLC
 Eddy County, New Mexico

| Sample Designation | Date | Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|---|------------|------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|------------------|
| NMOCD Table I Closure Criteria (NMAC 19.15.29) | | | 10 | 50 | NE | NE | NE | 1,000 | 2,500 | 20,000 |
| Delineation Soil Samples | | | | | | | | | | |
| SS01 | 3/17/2023 | 2 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <50.0 | <50.0 | 70.7 |
| SS02 | 3/17/2023 | 0 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <50.0 | <50.0 | 311 |
| SS03 | 3/17/2023 | 0 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <50.0 | <50.0 | 29.3 |
| SS04 | 3/17/2023 | 0 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <50.0 | <50.0 | 32.1 |
| SS05A | 3/17/2023 | 0 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <50.0 | <50.0 | 561 |
| SS06 | 9/7/2023 | 0 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <50.0 | <50.0 | 136 |
| SS07 | 9/7/2023 | 0 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <50.0 | <50.0 | 38.8 |
| SS08 | 10/18/2023 | 0 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <50.0 | <50.0 | 6,400 |
| SS08A | 10/18/2023 | 1 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <50.0 | <50.0 | 2,790 |
| SS08B | 10/18/2023 | 2 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <50.0 | <50.0 | 580 |
| SS08C | 10/18/2023 | 2.25 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <50.0 | <50.0 | 447 |
| Confirmation Soil Samples | | | | | | | | | | |
| CONF01 | 3/17/2023 | 0 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <50.0 | <50.0 | 6,570 |
| SW01 | 9/7/2023 | 0 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <50.0 | <50.0 | 2,480 |

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

"<": Laboratory Analytical result is less than reporting limit

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Form C-141

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

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

| | |
|----------------|----------------|
| Incident ID | nAPP2232043831 |
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| | |
|--|---|
| Responsible Party WPX Energy Permian, LLC | OGRID 246289 |
| Contact Name Jim Raley | Contact Telephone 575-689-7597 |
| Contact email Jim.Raley@dvn.com | Incident # (assigned by OCD) nAPP2232043831 |
| Contact mailing address 5315 Buena Vista Drive, Carlsbad, NM 88220 | |

Location of Release Source

Latitude 32.0797257 Longitude -103.9514552
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|--|-----------------------------------|
| Site Name NORTH BRUSHY DRAW FEDERAL 35 #012H | Site Type Oil Well |
| Date Release Discovered 11/16/2022 | API# (if applicable) 30-015-43603 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| O | 35 | 25S | 29E | Eddy |

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

| | | |
|--|--|---|
| <input type="checkbox"/> Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 32 | Volume Recovered (bbls) 31 |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release: Water line developed leak, allowing for release of approx. 32 bbls produced water to lined secondary containment. Small leak in corner of containment allowed for the release of approx. 1 bbl produced water to pad surface.

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

State of New Mexico
Oil Conservation Division

| | |
|----------------|----------------|
| Incident ID | nAPP2232043831 |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|---|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? Volume exceeded 25 bbls. |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Adrian Sandoval, Mike Bratcher via email on 11/15/2022. | |

Initial Response

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

| | |
|--|--|
| <input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. | |
| If all the actions described above have <u>not</u> 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: <u>Jim Raley</u> | Title: <u>Environmental Professional</u> |
| Signature:  | Date: <u>11/16/2022</u> |
| email: <u>jim.raley@dvn.com</u> | Telephone: <u>575-689-7597</u> |
| OCD Only Received by: <u>Jocelyn Harimon</u> Date: <u>11/16/2022</u> | |

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

Action 159393

CONDITIONS

| | |
|--|---|
| Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102 | OGRID: 246289 |
| | Action Number: 159393 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| jharimon | None | 11/16/2022 |

| | |
|----------------|----------------|
| Incident ID | nAPP2232043831 |
| 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? | 105 (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 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.

State of New Mexico
Oil Conservation Division

Page 4

| | |
|----------------|----------------|
| Incident ID | nAPP2232043831 |
| District RP | |
| Facility ID | |
| Application ID | |

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

Printed Name: Jim Raley Title: Environmental Specialist

Signature:  Date: 11/2/2023

email: jim.raley@dvn.com Telephone: 575-689-7597

OCD Only

Received by: _____ Date: _____

| | |
|----------------|----------------|
| Incident ID | nAPP2232043831 |
| District RP | |
| Facility ID | |
| Application ID | |

Closure

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

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Jim Raley Title: Environmental Specialist

Signature:  Date: 11/2/2023

email: jim.raley@dvn.com Telephone: 575-689-7597

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 02/26/2024

Printed Name: Scott Rodgers Title: Environmental Specialist Adv.

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

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

| | |
|----------------|----------------|
| Incident ID | nAPP2302534751 |
| District RP | |
| Facility ID | |
| Application ID | |

Responsible Party

| | |
|--|---|
| Responsible Party WPX Energy Permain, LLC | OGRID 246289 |
| Contact Name Jim Raley | Contact Telephone 575-689-7597 |
| Contact email Jim.Raley@dvn.com | Incident # (assigned by OCD) nAPP2302534751 |
| Contact mailing address 5315 Buena Vista Drive, Carlsbad, NM 88220 | |

Location of Release Source

Latitude 32.079725 Longitude -103.9516162
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|---|-----------------------------------|
| Site Name: NORTH BRUSHY DRAW FEDERAL 35 #010H | Site Type Oil Well |
| Date Release Discovered: 1/23/2023 | API# (if applicable) 30-015-43638 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| O | 35 | 25S | 29E | Eddy |

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

| | | |
|--|--|---|
| <input type="checkbox"/> Crude Oil | Volume Released (bbls) 0 | Volume Recovered (bbls) 0 |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 26 | Volume Recovered (bbls) 25 |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release: Thermowell on the separator failed allowing the release of approx.. 25 bbls of produced water to lined containment and approx. 1 bbl produced water to pad surface from spraying.

$$bbl\ estimate = \frac{saturated\ soil\ volume\ (ft^2)}{4.21(\frac{ft^3}{bbl\ equivalent})} * estimated\ soil\ porosity(\%) + recovered\ fluids\ (bbl)$$

State of New Mexico
Oil Conservation Division

| | |
|----------------|----------------|
| Incident ID | nAPP2302534751 |
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| Facility ID | |
| Application ID | |

| | |
|---|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? Volume exceeded 25 bbls. |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Email to Mike Bratcher and Rosa Romero on 1/23/2023 | |

Initial Response

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

| |
|--|
| <input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. |
| If all the actions described above have <u>not</u> 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: <u>Jim Raley</u> Title: <u>Environmental Professional</u> Signature: <u></u> Date: <u>1/25/2023</u> email: <u>jim.raley@dvn.com</u> Telephone: <u>575-689-7597</u> |
| <u>OCD Only</u> Received by: <u>Jocelyn Harimon</u> Date: <u>01/25/2023</u> |

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

Action 179400

CONDITIONS

| | |
|--|---|
| Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102 | OGRID: 246289 |
| | Action Number: 179400 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| jharimon | When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141 | 1/25/2023 |

| | |
|----------------|----------------|
| Incident ID | nAPP2302534751 |
| 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? | 105 (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 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.

State of New Mexico
Oil Conservation Division

Page 4

| | |
|----------------|----------------|
| Incident ID | nAPP2302534751 |
| District RP | |
| Facility ID | |
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: _____ Jim Raley _____ Title: _____ Environmental Specialist _____

Signature:  _____ Date: _____ 11/2/2023 _____

email: _____ jim.raley@dvn.com _____ Telephone: _____ 575-689-7597 _____

OCD Only

Received by: _____ Date: _____

| | |
|----------------|----------------|
| Incident ID | nAPP2302534751 |
| District RP | |
| Facility ID | |
| Application ID | |

Closure

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

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Jim Raley Title: Environmental Specialist

Signature:  Date: 11/2/2023

email: jim.raley@dvn.com Telephone: 575-689-7597

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



APPENDIX B

Well Record and Log

|  | | | | | | | BORING LOG/MONITORING WELL COMPLETION DIAGRAM | | | | | | | | | | | | | | | | | |
|---|---------------|------------|----------|------|----------|-----------|---|-----------|---|-----------------------------------|--|--|---|--|-----------------|------------------------------------|--|--|--------------------------|--|--|---------------------------|--|--|
| Drilling Method: Air Rotary | | | | | | | Sampling Method: None | | | Boring/Well Number: MW-1 | | | Location: North Brushy Federal 35 # 010H | | | | | | | | | | | |
| Gravel Pack Type: 10/20 Sand | | | | | | | Gravel Pack Depth Interval: 3 Bags | | | Seal Type: None | | | Seal Depth Interval: None | | | Date: 12/8/2020 | | | Client: WPX Energy | | | | | |
| Casing Type: PVC | | | | | | | Diameter: 2-inch | | | Depth Interval: 0-100 feet bgs | | | Boring Total Depth (ft. BGS): 105 | | | Logged By: J. Linn, PG | | | Drilled By: Talon LPE | | | | | |
| Screen Type: PVC | | | | | | | Slot: 0.010-inch | | | Diameter: 2-inch | | | Depth Interval: 100 - 105 ft | | | Well Total Depth (ft. BGS): 105 | | | Latitude: 32.079909 | | | Longitude: -103.951386 | | |
| | | | | | | | | | | | | | Depth to Water (ft. BTOC): > 105 | | | DTW Date: 12/16/2020 | | | | | | | | |
| Depth Interval (ft) | Recovery (ft) | Plasticity | Moisture | Odor | Staining | PID (ppm) | USCS | Sample ID | Lithology/Remarks | | | | | | Well Completion | | | | | | | | | |
| 0 | NM | L | D | N | N | NM | CE | NS | Buff to pale pink caliche | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | NM | L | D | N | N | NM | SM | NS | Tan to pale red silty sand | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | NM | M | M | N | N | NM | ML | NS | Tan to pale red sandy silt with minor medium sand | | | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | NM | H | M | N | N | NM | CL | NS | Tan clay with minor gravel | | | | | | | | | | | | | | | |
| 70 | NM | L | D | N | N | NM | SP | NS | Pale red poorly graded fine sand with minor silt | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | NM | H | D/SLM | N | N | NM | CL | NS | Grey sandy lean clay with minor medium sand and minor angular gravel | | | | | | | | | | | | | | | |
| 90 | NM | M/H | M | N | N | NM | CL | NS | Brown with orange sandy lean clay with minor medium sand and angular gravel - TD Boring: 105' | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | |



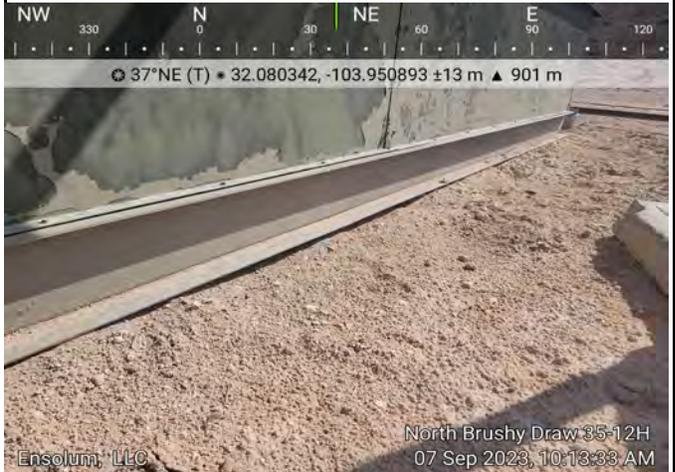
APPENDIX C

Photographic Log



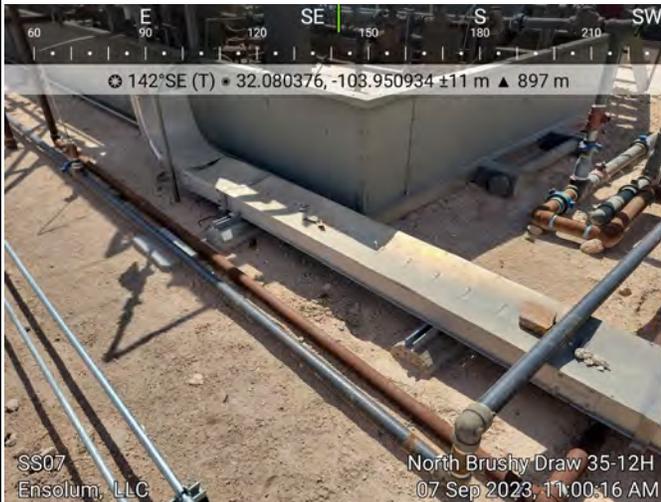
Photographic Log

WPX Energy Permian, LLC
North Brush Draw Federal 35 #012H
nAPP2232043831 & nAPP2302534751



Photograph: 1 Date: 9/7/2023
Description: Side wall sample location
View: East

Photograph: 2 Date: 9/7/2023
Description: Solid steel containment
View: Northeast



Photograph: 3 Date: 9/7/2023
Description: Delineation on North side of containment
View: Southeast

Photograph: 4 Date: 9/7/2023
Description: Solid rock 1" bgs
View: East



Photographic Log
 WPX Energy Permian, LLC
 North Brush Draw Federal 35 #012H
 nAPP2232043831 & nAPP2302534751



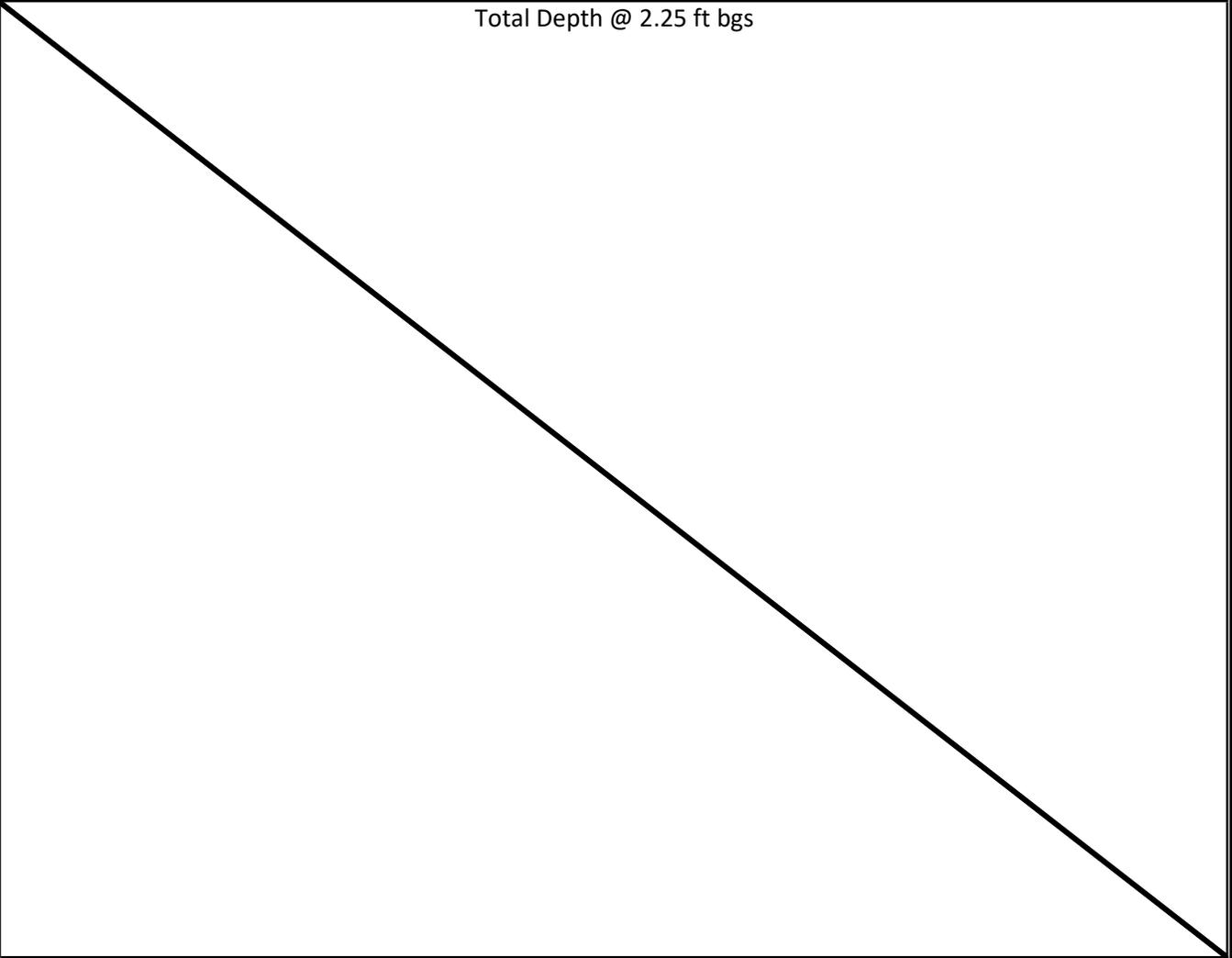
Photograph: 5 Date: 10/18/2023
 Description: Delineation-SS08
 View: Northwest

Photograph: 6 Date: 10/18/2023
 Description: Delineation-SS08
 View: West



APPENDIX D

Lithologic Soil Sampling Logs

|  | | | | | Sample Name: Cole Burton | | Date: 10/18/2023 | |
|---|----------------|-------------|----------|-----------|---|----------------|-----------------------|--|
| | | | | | Site Name: North Brushy Draw Federal 35 3012H | | | |
| | | | | | Incident Numbers: nAPP2302534751 & nAPP2232043831 | | | |
| | | | | | Job Number: 03A1987098 | | | |
| LITHOLOGIC / SOIL SAMPLING LOG | | | | | Logged By: Cole Burton | | Method: Hand Auger | |
| Coordinates: 32.080330, -103.950934 | | | | | Hole Diameter: 4" | | Total Depth: 2.25 Ft. | |
| Comments: Field screening for chloride conducted by MOHR method titration. | | | | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions |
| D | - | - | Y | SS08 | 0 | 0 | CCHE | CCHE. Pad Caliche, ligh staining and light odor. |
| D | 2400 | - | N | SS08A | 1 | 1 | CCHE | CCHE. Pad Caliche, no staining and no odor. |
| D | 500 | - | N | SS08B | 2 | 2 | CCHE | CCHE. Pad Caliche, no staining and no odor. |
| D | 450 | - | N | SS08C | 2.25 | 2.25 | CCHE | |
| Total Depth @ 2.25 ft bgs | | | | | | | | |
|  | | | | | | | | |



APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: North Brushy Draw Federal 35
#012H

Work Order: E302084

Job Number: 01058-0007

Received: 2/19/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/27/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 2/27/23

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: North Brushy Draw Federal 35 #012H
Workorder: E302084
Date Received: 2/19/2023 10:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/19/2023 10:15:00AM, under the Project Name: North Brushy Draw Federal 35 #012H.

The analytical test results summarized in this report with the Project Name: North Brushy Draw Federal 35 #012H 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

Field Offices:

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

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

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Sample Summary

| | | |
|---|--|------------------------------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 02/27/23 15:39 |
|---|--|------------------------------------|

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| BG01 - 0' | E302084-01A | Soil | 02/16/23 | 02/19/23 | Glass Jar, 4 oz. |
| SS01 - 2' | E302084-02A | Soil | 02/16/23 | 02/19/23 | Glass Jar, 4 oz. |
| SS02 - 0' | E302084-03A | Soil | 02/16/23 | 02/19/23 | Glass Jar, 4 oz. |
| SS03 - 0' | E302084-04A | Soil | 02/16/23 | 02/19/23 | Glass Jar, 4 oz. |
| SS04 - 0' | E302084-05A | Soil | 02/16/23 | 02/19/23 | Glass Jar, 4 oz. |
| SS05A - 0' | E302084-06A | Soil | 02/16/23 | 02/19/23 | Glass Jar, 4 oz. |

Case Narrative:

Project Name: North Brushy Draw Federal 35 #012H

Workorder: E302084

Date Received: 02-19-2023

The client requested the following sample(s) to be re-extracted and re-analyzed:

| <u>Sample Name</u> | <u>Laboratory ID</u> | <u>Analysis</u> |
|--------------------|----------------------|---------------------------|
| SS05A-0' | E302084-06A | Anions by EPA 300.0/9056A |

The analytical test results summarized in this revised report represent this re-extraction and re-analysis.

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

Respectfully,

Walter Hinchman



Sample Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 2/27/2023 3:39:02PM |
|---|--|---|

BG01 - 0'

E302084-01

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: SL | | Batch: 2308002 |
| Benzene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| Toluene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| o-Xylene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/19/23 | 02/20/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | | 101 % | 70-130 | 02/19/23 | 02/20/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: SL | | Batch: 2308002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/19/23 | 02/20/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | | 88.4 % | 70-130 | 02/19/23 | 02/20/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2308006 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/20/23 | 02/20/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/20/23 | 02/20/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | | 105 % | 50-200 | 02/20/23 | 02/20/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: KL | | Batch: 2308003 |
| Chloride | ND | 20.0 | 1 | 02/20/23 | 02/20/23 | |



Sample Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 2/27/2023 3:39:02PM |
|---|--|---|

SS01 - 2'

E302084-02

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: SL | | Batch: 2308002 |
| Benzene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| Toluene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| o-Xylene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/19/23 | 02/20/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | | 104 % | 70-130 | 02/19/23 | 02/20/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: SL | | Batch: 2308002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/19/23 | 02/20/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | | 86.6 % | 70-130 | 02/19/23 | 02/20/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2308006 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/20/23 | 02/20/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/20/23 | 02/20/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | | 105 % | 50-200 | 02/20/23 | 02/20/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: KL | | Batch: 2308003 |
| Chloride | 70.7 | 20.0 | 1 | 02/20/23 | 02/20/23 | |



Sample Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 2/27/2023 3:39:02PM |
|---|--|---|

SS02 - 0'

E302084-03

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: SL | | Batch: 2308002 |
| Benzene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| Toluene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| o-Xylene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/19/23 | 02/20/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | | 102 % | 70-130 | 02/19/23 | 02/20/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: SL | | Batch: 2308002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/19/23 | 02/20/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | | 82.0 % | 70-130 | 02/19/23 | 02/20/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2308006 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/20/23 | 02/20/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/20/23 | 02/20/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | | 99.4 % | 50-200 | 02/20/23 | 02/20/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: KL | | Batch: 2308003 |
| Chloride | 311 | 20.0 | 1 | 02/20/23 | 02/20/23 | |



Sample Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 2/27/2023 3:39:02PM |
|---|--|---|

SS03 - 0'

E302084-04

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: SL | | Batch: 2308002 |
| Benzene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| Toluene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| o-Xylene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/19/23 | 02/20/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | | 104 % | 70-130 | 02/19/23 | 02/20/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: SL | | Batch: 2308002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/19/23 | 02/20/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | | 85.0 % | 70-130 | 02/19/23 | 02/20/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2308006 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/20/23 | 02/20/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/20/23 | 02/20/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | | 105 % | 50-200 | 02/20/23 | 02/20/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: KL | | Batch: 2308003 |
| Chloride | 29.3 | 20.0 | 1 | 02/20/23 | 02/20/23 | |



Sample Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 2/27/2023 3:39:02PM |
|---|--|---|

SS04 - 0'

E302084-05

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | Analyst: SL | | Batch: 2308002 |
| Benzene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| Toluene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| o-Xylene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/19/23 | 02/20/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | 103 % | 70-130 | 02/19/23 | 02/20/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: SL | | Batch: 2308002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/19/23 | 02/20/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | 82.3 % | 70-130 | 02/19/23 | 02/20/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: KM | | Batch: 2308006 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/20/23 | 02/20/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/20/23 | 02/20/23 | |
| <i>Surrogate: n-Nonane</i> | | 98.5 % | 50-200 | 02/20/23 | 02/20/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: KL | | Batch: 2308003 |
| Chloride | 32.1 | 20.0 | 1 | 02/20/23 | 02/20/23 | |



Sample Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 2/27/2023 3:39:02PM |
|---|--|---|

SS05A - 0'

E302084-06

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | Analyst: SL | | Batch: 2308002 |
| Benzene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| Toluene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| o-Xylene | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 02/19/23 | 02/20/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 02/19/23 | 02/20/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | 103 % | 70-130 | 02/19/23 | 02/20/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: SL | | Batch: 2308002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 02/19/23 | 02/20/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | 85.4 % | 70-130 | 02/19/23 | 02/20/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: KM | | Batch: 2308006 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 02/20/23 | 02/20/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 02/20/23 | 02/20/23 | |
| <i>Surrogate: n-Nonane</i> | | 96.2 % | 50-200 | 02/20/23 | 02/20/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: BA | | Batch: 2309013 |
| Chloride | 564 | 20.0 | 1 | 02/27/23 | 02/27/23 | |



QC Summary Data

| | | |
|---|--|----------------------------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 2/27/2023 3:39:02PM |
|---|--|----------------------------------|

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2308002-BLK1)

Prepared: 02/19/23 Analyzed: 02/20/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.84 | | 8.00 | | 98.0 | 70-130 | | | |

LCS (2308002-BS1)

Prepared: 02/19/23 Analyzed: 02/20/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene | 4.32 | 0.0250 | 5.00 | | 86.3 | 70-130 | | | |
| Ethylbenzene | 4.47 | 0.0250 | 5.00 | | 89.5 | 70-130 | | | |
| Toluene | 4.56 | 0.0250 | 5.00 | | 91.2 | 70-130 | | | |
| o-Xylene | 4.60 | 0.0250 | 5.00 | | 92.0 | 70-130 | | | |
| p,m-Xylene | 9.09 | 0.0500 | 10.0 | | 90.9 | 70-130 | | | |
| Total Xylenes | 13.7 | 0.0250 | 15.0 | | 91.2 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.78 | | 8.00 | | 97.2 | 70-130 | | | |

Matrix Spike (2308002-MS1)

Source: E302083-02

Prepared: 02/19/23 Analyzed: 02/20/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene | 5.00 | 0.0250 | 5.00 | ND | 100 | 54-133 | | | |
| Ethylbenzene | 5.18 | 0.0250 | 5.00 | ND | 104 | 61-133 | | | |
| Toluene | 5.28 | 0.0250 | 5.00 | ND | 106 | 61-130 | | | |
| o-Xylene | 5.33 | 0.0250 | 5.00 | ND | 107 | 63-131 | | | |
| p,m-Xylene | 10.5 | 0.0500 | 10.0 | ND | 105 | 63-131 | | | |
| Total Xylenes | 15.8 | 0.0250 | 15.0 | ND | 105 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.78 | | 8.00 | | 97.3 | 70-130 | | | |

Matrix Spike Dup (2308002-MSD1)

Source: E302083-02

Prepared: 02/19/23 Analyzed: 02/20/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene | 4.48 | 0.0250 | 5.00 | ND | 89.6 | 54-133 | 10.9 | 20 | |
| Ethylbenzene | 4.63 | 0.0250 | 5.00 | ND | 92.6 | 61-133 | 11.2 | 20 | |
| Toluene | 4.72 | 0.0250 | 5.00 | ND | 94.5 | 61-130 | 11.1 | 20 | |
| o-Xylene | 4.77 | 0.0250 | 5.00 | ND | 95.5 | 63-131 | 11.1 | 20 | |
| p,m-Xylene | 9.39 | 0.0500 | 10.0 | ND | 93.9 | 63-131 | 11.0 | 20 | |
| Total Xylenes | 14.2 | 0.0250 | 15.0 | ND | 94.4 | 63-131 | 11.0 | 20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.77 | | 8.00 | | 97.1 | 70-130 | | | |



QC Summary Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 2/27/2023 3:39:02PM |
|---|--|---|

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2308002-BLK1)

Prepared: 02/19/23 Analyzed: 02/20/23

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.05 | | 8.00 | | 88.1 | 70-130 | | | |

LCS (2308002-BS2)

Prepared: 02/19/23 Analyzed: 02/20/23

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 48.7 | 20.0 | 50.0 | | 97.4 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.05 | | 8.00 | | 88.1 | 70-130 | | | |

Matrix Spike (2308002-MS2)

Source: E302083-02

Prepared: 02/19/23 Analyzed: 02/20/23

| | | | | | | | | | |
|---|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 42.5 | 20.0 | 50.0 | ND | 85.1 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 6.91 | | 8.00 | | 86.4 | 70-130 | | | |

Matrix Spike Dup (2308002-MSD2)

Source: E302083-02

Prepared: 02/19/23 Analyzed: 02/20/23

| | | | | | | | | | |
|---|------|------|------|----|------|--------|-------|----|--|
| Gasoline Range Organics (C6-C10) | 42.9 | 20.0 | 50.0 | ND | 85.7 | 70-130 | 0.779 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.43 | | 8.00 | | 92.9 | 70-130 | | | |



QC Summary Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 2/27/2023 3:39:02PM |
|---|--|---|

Nonhalogenated Organics 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 (2308006-BLK1)

Prepared: 02/20/23 Analyzed: 02/20/23

| | | | | | | | | | |
|---------------------------------|------|------|------|--|-----|--------|--|--|--|
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: <i>n</i> -Nonane | 52.0 | | 50.0 | | 104 | 50-200 | | | |

LCS (2308006-BS1)

Prepared: 02/20/23 Analyzed: 02/20/23

| | | | | | | | | | |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 201 | 25.0 | 250 | | 80.3 | 38-132 | | | |
| Surrogate: <i>n</i> -Nonane | 51.6 | | 50.0 | | 103 | 50-200 | | | |

Matrix Spike (2308006-MS1)

Source: E302083-01

Prepared: 02/20/23 Analyzed: 02/20/23

| | | | | | | | | | |
|---------------------------------|------|------|------|----|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 212 | 25.0 | 250 | ND | 84.7 | 38-132 | | | |
| Surrogate: <i>n</i> -Nonane | 48.2 | | 50.0 | | 96.4 | 50-200 | | | |

Matrix Spike Dup (2308006-MSD1)

Source: E302083-01

Prepared: 02/20/23 Analyzed: 02/20/23

| | | | | | | | | | |
|---------------------------------|------|------|------|----|------|--------|------|----|--|
| Diesel Range Organics (C10-C28) | 221 | 25.0 | 250 | ND | 88.3 | 38-132 | 4.21 | 20 | |
| Surrogate: <i>n</i> -Nonane | 49.3 | | 50.0 | | 98.7 | 50-200 | | | |



QC Summary Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 2/27/2023 3:39:02PM |
|---|--|---|

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2308003-BLK1)

Prepared: 02/20/23 Analyzed: 02/20/23

Chloride ND 20.0

LCS (2308003-BS1)

Prepared: 02/20/23 Analyzed: 02/20/23

Chloride 248 20.0 250 99.3 90-110

Matrix Spike (2308003-MS1)

Source: E302083-01

Prepared: 02/20/23 Analyzed: 02/20/23

Chloride 265 200 250 ND 106 80-120

Matrix Spike Dup (2308003-MSD1)

Source: E302083-01

Prepared: 02/20/23 Analyzed: 02/20/23

Chloride 275 200 250 ND 110 80-120 3.96 20



QC Summary Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 2/27/2023 3:39:02PM |
|---|--|---|

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2309013-BLK1)

Prepared: 02/27/23 Analyzed: 02/27/23

Chloride ND 20.0

LCS (2309013-BS1)

Prepared: 02/27/23 Analyzed: 02/27/23

Chloride 266 20.0 250 106 90-110

Matrix Spike (2309013-MS1)

Source: E302084-06

Prepared: 02/27/23 Analyzed: 02/27/23

Chloride 788 20.0 250 564 89.8 80-120

Matrix Spike Dup (2309013-MSD1)

Source: E302084-06

Prepared: 02/27/23 Analyzed: 02/27/23

Chloride 842 20.0 250 564 111 80-120 6.62 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

| | | | |
|-------------------------|------------------|------------------------------------|------------------|
| Devon Energy - Carlsbad | Project Name: | North Brushy Draw Federal 35 #012H | |
| 6488 7 Rivers Hwy | Project Number: | 01058-0007 | Reported: |
| Artesia NM, 88210 | Project Manager: | Ashley Giovengo | 02/27/23 15:39 |

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.



Returned to Imaging: 2/26/2024 1:55:25 PM

| | | | | |
|--|---|---|--|---|
| Client: <u>Devon</u> Project: <u>North Brushy Draw Federal 35 #012H</u> Project Manager: <u>Ashley Giovengo</u> Address: <u>1224 Standpipe Rd</u> City, State, Zip: <u>Carlsbad, NM 88220</u> Phone: <u>505-382-1211</u> Email: <u>ashley.giovengo@wescominc.com</u> Report due by: | Bill To Attention: <u>Jim Raley</u> Address: <u>5315 Buena Vista Dr</u> City, State, Zip: <u>Calsbad, NM 88220</u> Phone: <u>575-689-7597</u> Email: <u>jim.raley@dvn.com</u> | Lab Use Only Lab WO# <u>E302084</u> Job Number <u>01058-0007</u> | TAT 1D <input type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input checked="" type="checkbox"/> | EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/> |
|--|---|---|--|---|

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | Analysis and Method | | | | | | | | | | State | | | | | Remarks |
|--------------|--------------|--------|-------------------|------------|------------|---------------------|-----------------|--------------|-------------|-------------|----------------|----------|----------|----|----|-------|----|----|--|--|---------|
| | | | | | | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX | NM | CO | UT | AZ | TX | | | |
| 9:30 | 2/16/23 | Soil | 1 Jar | BG01 - 0' | 1 | | | | | | | | | | | | | | | | |
| 10:06 | 2/16/23 | Soil | 1 Jar | SS01 - 2' | 2 | | | | | | | | | | | | | | | | |
| 10:11 | 2/16/23 | Soil | 1 Jar | SS02 - 0' | 3 | | | | | | | | | | | | | | | | |
| 10:13 | 2/16/23 | Soil | 1 Jar | SS03 - 0' | 4 | | | | | | | | | | | | | | | | |
| 10:17 | 2/16/23 | Soil | 1 Jar | SS04 - 0' | 5 | | | | | | | | | | | | | | | | |
| 11:08 | 2/16/23 | Soil | 1 Jar | SS05A - 0' | 6 | | | | | | | | | | | | | | | | |

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, jim.raley@dvn.com, ashley.giovengo@wescominc.com, iason.iohnsen@wescominc.com

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

| | | | | | | | | | | | |
|--|-----------------|---------------|--|-----------------|---------------|---|----|----|--|--|--|
| Sampled by: _____ | | | | | | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. | | | | | |
| Relinquished by: (Signature) <i>[Signature]</i> | Date 2-17-23 | Time 10:58 | Received by: (Signature) <i>[Signature]</i> | Date 2-17-23 | Time 10:58 | Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N | | | | | |
| Relinquished by: (Signature) <i>[Signature]</i> | Date 2-17-23 | Time 1630 | Received by: (Signature) <i>[Signature]</i> | Date 2-17-23 | Time 1645 | T1 | T2 | T3 | | | |
| Relinquished by: (Signature) <i>[Signature]</i> | Date 2-17-23 | Time 2230 | Received by: (Signature) <i>[Signature]</i> | Date 2/19/23 | Time 10:15 | AVG Temp °C <u>4.0</u> | | | | | |

Sample Matrix: S - Soil, sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Received by OCD: 1/12/2023 8:39:22 AM

Page 49 of 107

Envirotech Analytical Laboratory

Printed: 2/20/2023 9:05:04AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Devon Energy - Carlsbad Date Received: 02/19/23 10:15 Work Order ID: E302084
Phone: (505) 382-1211 Date Logged In: 02/17/23 15:22 Logged In By: Caitlin Christian
Email: ashley.giovengo@wescominc.com Due Date: 02/24/23 07:00 (4 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

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

Date



envirotech Inc.

| | | | | | | | | | |
|---|--|-------------------------------------|--|---------------------|--|-----------------------|--|----------------|--|
| Client: Devon | | Bill To | | Lab Use Only | | TAT | | EPA Program | |
| Project: North Brushy Draw Federal 35 #012H | | Attention: Jim Raley | | Lab WO# E302084 | | Job Number D1058-0007 | | CWA SDWA | |
| Project Manager: Ashley Giovengo | | Address: 5315 Buena Vista Dr | | 1D | | 2D | | 3D | |
| Address: 1224 Standpipe Rd | | City, State, Zip: Calsbad, NM 88220 | | Analysis and Method | | Standard | | RCRA | |
| City, State, Zip: Carlsbad, NM 88220 | | Phone: 575-689-7597 | | DRO/ORO by 8015 | | GRO/DRO by 8015 | | BTEX by 8021 | |
| Phone: 505-382-1211 | | Email: jim.raley@dvn.com | | VOC by 8260 | | Metals 6010 | | Chloride 300.0 | |
| Email: ashley.giovengo@wescominc.com | | | | BGDOC NM | | BGDOC TX | | State | |
| Report due by: | | | | NM | | CO | | UT | |
| | | | | AZ | | TX | | Remarks | |

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX | Remarks |
|--------------|--------------|--------|-------------------|------------|------------|-----------------|-----------------|--------------|-------------|-------------|----------------|----------|----------|--|
| 9:30 | 2/16/23 | Soil | 1 Jar | BG01 - 0' | 1 | | | | | | | X | | |
| 10:06 | 2/16/23 | Soil | 1 Jar | SS01 - 2' | 2 | | | | | | | X | | |
| 10:11 | 2/16/23 | Soil | 1 Jar | SS02 - 0' | 3 | | | | | | | X | | |
| 10:13 | 2/16/23 | Soil | 1 Jar | SS03 - 0' | 4 | | | | | | | X | | |
| 10:17 | 2/16/23 | Soil | 1 Jar | SS04 - 0' | 5 | | | | | | | X | | |
| 11:08 | 2/16/23 | Soil | 1 Jar | SS05A - 0' | 6 | | | | | | X | X | | Rerun Cl on sample #6 per client request C. Burton 2/27/23 [Signature] |

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, jim.raley@dvn.com, ashley.giovengo@wescominc.com, jason.iohnsen@wescominc.com

| | | | | | | | | | | | |
|---|---------|-------|--------------------------|-------------|-------|----------------------------|--|---|--|--|--|
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. | | | | Sampled by: | | | | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. | | | |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Lab Use Only | | | | | |
| [Signature] | 2-17-23 | 10:58 | [Signature] | 2-17-23 | 10:58 | Received on ice: Y / N | | | | | |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | T1 _____ T2 _____ T3 _____ | | | | | |
| [Signature] | 2-17-23 | 16:30 | [Signature] | 2-17-23 | 16:45 | | | | | | |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | AVG Temp °C 4.0 | | | | | |
| [Signature] | 2-17-23 | 22:30 | [Signature] | 2/19/23 | 10:15 | | | | | | |

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
 Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: North Brushy Draw Federal 35
#012H

Work Order: E303075

Job Number: 01058-0007

Received: 3/22/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/27/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 3/27/23



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: North Brushy Draw Federal 35 #012H
Workorder: E303075
Date Received: 3/22/2023 5:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/22/2023 5:00:00AM, under the Project Name: North Brushy Draw Federal 35 #012H.

The analytical test results summarized in this report with the Project Name: North Brushy Draw Federal 35 #012H 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

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Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@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

| | | |
|---|--|------------------------------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 03/27/23 08:41 |
|---|--|------------------------------------|

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| CONF01 - 0' | E303075-01A | Soil | 03/17/23 | 03/22/23 | Glass Jar, 2 oz. |



Sample Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 3/27/2023 8:41:31AM |
|---|--|---|

CONF01 - 0'
E303075-01

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---------|--------|-----------------|----------|----------|----------|-------|
|---------|--------|-----------------|----------|----------|----------|-------|

| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | Analyst: SL | | Batch: 2312028 |
|--|-------|--------|-------------|----------|----------------|
| Benzene | ND | 0.0250 | 1 | 03/22/23 | 03/22/23 |
| Ethylbenzene | ND | 0.0250 | 1 | 03/22/23 | 03/22/23 |
| Toluene | ND | 0.0250 | 1 | 03/22/23 | 03/22/23 |
| o-Xylene | ND | 0.0250 | 1 | 03/22/23 | 03/22/23 |
| p,m-Xylene | ND | 0.0500 | 1 | 03/22/23 | 03/22/23 |
| Total Xylenes | ND | 0.0250 | 1 | 03/22/23 | 03/22/23 |

| | | | | | |
|---|--------|--------|--|----------|----------|
| <i>Surrogate: Bromofluorobenzene</i> | 93.8 % | 70-130 | | 03/22/23 | 03/22/23 |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 99.2 % | 70-130 | | 03/22/23 | 03/22/23 |
| <i>Surrogate: Toluene-d8</i> | 103 % | 70-130 | | 03/22/23 | 03/22/23 |

| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: SL | | Batch: 2312028 |
|---|--------|--------|-------------|----------|----------------|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 03/22/23 | 03/22/23 |
| <i>Surrogate: Bromofluorobenzene</i> | 93.8 % | 70-130 | | 03/22/23 | 03/22/23 |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 99.2 % | 70-130 | | 03/22/23 | 03/22/23 |
| <i>Surrogate: Toluene-d8</i> | 103 % | 70-130 | | 03/22/23 | 03/22/23 |

| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: JL | | Batch: 2312041 |
|---|--------|--------|-------------|----------|----------------|
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 03/22/23 | 03/22/23 |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 03/22/23 | 03/22/23 |
| <i>Surrogate: n-Nonane</i> | 83.9 % | 50-200 | | 03/22/23 | 03/22/23 |

| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2312032 |
|----------------------------------|-------|-------|-------------|----------|----------------|
| Chloride | 6570 | 200 | 10 | 03/22/23 | 03/23/23 |



QC Summary Data

| | | |
|---|--|----------------------------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 3/27/2023 8:41:31AM |
|---|--|----------------------------------|

Volatile Organic Compounds by EPA 8260B

Analyst: SL

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

Blank (2312028-BLK1)

Prepared: 03/22/23 Analyzed: 03/22/23

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|--|------|--|--------|--|--|
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: Bromofluorobenzene | 0.470 | | 0.500 | | 93.9 | | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.491 | | 0.500 | | 98.1 | | 70-130 | | |
| Surrogate: Toluene-d8 | 0.509 | | 0.500 | | 102 | | 70-130 | | |

LCS (2312028-BS1)

Prepared: 03/22/23 Analyzed: 03/23/23

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|--|------|--|--------|--|--|
| Benzene | 2.09 | 0.0250 | 2.50 | | 83.4 | | 70-130 | | |
| Ethylbenzene | 2.20 | 0.0250 | 2.50 | | 88.0 | | 70-130 | | |
| Toluene | 2.18 | 0.0250 | 2.50 | | 87.1 | | 70-130 | | |
| o-Xylene | 2.25 | 0.0250 | 2.50 | | 90.1 | | 70-130 | | |
| p,m-Xylene | 4.46 | 0.0500 | 5.00 | | 89.3 | | 70-130 | | |
| Total Xylenes | 6.72 | 0.0250 | 7.50 | | 89.6 | | 70-130 | | |
| Surrogate: Bromofluorobenzene | 0.500 | | 0.500 | | 100 | | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.469 | | 0.500 | | 93.8 | | 70-130 | | |
| Surrogate: Toluene-d8 | 0.513 | | 0.500 | | 103 | | 70-130 | | |

Matrix Spike (2312028-MS1)

Source: E303073-21

Prepared: 03/22/23 Analyzed: 03/22/23

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|----|------|--|--------|--|--|
| Benzene | 2.09 | 0.0250 | 2.50 | ND | 83.8 | | 48-131 | | |
| Ethylbenzene | 2.18 | 0.0250 | 2.50 | ND | 87.2 | | 45-135 | | |
| Toluene | 2.18 | 0.0250 | 2.50 | ND | 87.0 | | 48-130 | | |
| o-Xylene | 2.25 | 0.0250 | 2.50 | ND | 90.0 | | 43-135 | | |
| p,m-Xylene | 4.44 | 0.0500 | 5.00 | ND | 88.8 | | 43-135 | | |
| Total Xylenes | 6.69 | 0.0250 | 7.50 | ND | 89.2 | | 43-135 | | |
| Surrogate: Bromofluorobenzene | 0.502 | | 0.500 | | 100 | | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.490 | | 0.500 | | 97.9 | | 70-130 | | |
| Surrogate: Toluene-d8 | 0.514 | | 0.500 | | 103 | | 70-130 | | |

Matrix Spike Dup (2312028-MSD1)

Source: E303073-21

Prepared: 03/22/23 Analyzed: 03/22/23

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|----|------|--|--------|------|----|
| Benzene | 2.15 | 0.0250 | 2.50 | ND | 86.0 | | 48-131 | 2.69 | 23 |
| Ethylbenzene | 2.27 | 0.0250 | 2.50 | ND | 90.7 | | 45-135 | 3.98 | 27 |
| Toluene | 2.25 | 0.0250 | 2.50 | ND | 90.0 | | 48-130 | 3.37 | 24 |
| o-Xylene | 2.33 | 0.0250 | 2.50 | ND | 93.1 | | 43-135 | 3.41 | 27 |
| p,m-Xylene | 4.61 | 0.0500 | 5.00 | ND | 92.2 | | 43-135 | 3.69 | 27 |
| Total Xylenes | 6.94 | 0.0250 | 7.50 | ND | 92.5 | | 43-135 | 3.60 | 27 |
| Surrogate: Bromofluorobenzene | 0.504 | | 0.500 | | 101 | | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.497 | | 0.500 | | 99.4 | | 70-130 | | |
| Surrogate: Toluene-d8 | 0.514 | | 0.500 | | 103 | | 70-130 | | |



QC Summary Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 3/27/2023 8:41:31AM |
|---|--|---|

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2312028-BLK1)

Prepared: 03/22/23 Analyzed: 03/22/23

| | | | | | | | | | |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: Bromofluorobenzene | 0.470 | | 0.500 | | 93.9 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.491 | | 0.500 | | 98.1 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.509 | | 0.500 | | 102 | 70-130 | | | |

LCS (2312028-BS2)

Prepared: 03/22/23 Analyzed: 03/22/23

| | | | | | | | | | |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 48.2 | 20.0 | 50.0 | | 96.3 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.479 | | 0.500 | | 95.7 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.484 | | 0.500 | | 96.7 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.514 | | 0.500 | | 103 | 70-130 | | | |

Matrix Spike (2312028-MS2)

Source: E303073-21

Prepared: 03/22/23 Analyzed: 03/22/23

| | | | | | | | | | |
|----------------------------------|-------|------|-------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 46.0 | 20.0 | 50.0 | ND | 92.1 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.487 | | 0.500 | | 97.4 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.490 | | 0.500 | | 98.0 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.521 | | 0.500 | | 104 | 70-130 | | | |

Matrix Spike Dup (2312028-MSD2)

Source: E303073-21

Prepared: 03/22/23 Analyzed: 03/22/23

| | | | | | | | | | |
|----------------------------------|-------|------|-------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 47.5 | 20.0 | 50.0 | ND | 94.9 | 70-130 | 3.02 | 20 | |
| Surrogate: Bromofluorobenzene | 0.485 | | 0.500 | | 97.0 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.498 | | 0.500 | | 99.6 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.514 | | 0.500 | | 103 | 70-130 | | | |



QC Summary Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 3/27/2023 8:41:31AM |
|---|--|---|

Nonhalogenated Organics 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 (2312041-BLK1)

Prepared: 03/22/23 Analyzed: 03/22/23

| | | | | | | | | | |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: <i>n-Nonane</i> | 49.6 | | 50.0 | | 99.2 | 50-200 | | | |

LCS (2312041-BS1)

Prepared: 03/22/23 Analyzed: 03/22/23

| | | | | | | | | | |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 240 | 25.0 | 250 | | 96.0 | 38-132 | | | |
| Surrogate: <i>n-Nonane</i> | 39.6 | | 50.0 | | 79.2 | 50-200 | | | |

Matrix Spike (2312041-MS1)

Source: E303075-01

Prepared: 03/22/23 Analyzed: 03/22/23

| | | | | | | | | | |
|---------------------------------|------|------|------|----|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 230 | 25.0 | 250 | ND | 92.1 | 38-132 | | | |
| Surrogate: <i>n-Nonane</i> | 36.2 | | 50.0 | | 72.4 | 50-200 | | | |

Matrix Spike Dup (2312041-MSD1)

Source: E303075-01

Prepared: 03/22/23 Analyzed: 03/22/23

| | | | | | | | | | |
|---------------------------------|------|------|------|----|------|--------|------|----|--|
| Diesel Range Organics (C10-C28) | 222 | 25.0 | 250 | ND | 88.9 | 38-132 | 3.62 | 20 | |
| Surrogate: <i>n-Nonane</i> | 36.1 | | 50.0 | | 72.3 | 50-200 | | | |



QC Summary Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 3/27/2023 8:41:31AM |
|---|--|---|

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2312032-BLK1)

Prepared: 03/22/23 Analyzed: 03/23/23

| | | | | | | | | | |
|----------|----|------|--|--|--|--|--|--|--|
| Chloride | ND | 20.0 | | | | | | | |
|----------|----|------|--|--|--|--|--|--|--|

LCS (2312032-BS1)

Prepared: 03/22/23 Analyzed: 03/23/23

| | | | | | | | | | |
|----------|-----|------|-----|--|------|--------|--|--|--|
| Chloride | 247 | 20.0 | 250 | | 98.7 | 90-110 | | | |
|----------|-----|------|-----|--|------|--------|--|--|--|

Matrix Spike (2312032-MS1)

Source: E303073-21

Prepared: 03/22/23 Analyzed: 03/23/23

| | | | | | | | | | |
|----------|-----|------|-----|----|-----|--------|--|--|--|
| Chloride | 253 | 20.0 | 250 | ND | 101 | 80-120 | | | |
|----------|-----|------|-----|----|-----|--------|--|--|--|

Matrix Spike Dup (2312032-MSD1)

Source: E303073-21

Prepared: 03/22/23 Analyzed: 03/23/23

| | | | | | | | | | |
|----------|-----|------|-----|----|-----|--------|-------|----|--|
| Chloride | 254 | 20.0 | 250 | ND | 101 | 80-120 | 0.167 | 20 | |
|----------|-----|------|-----|----|-----|--------|-------|----|--|

QC Summary Report Comment:

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



Definitions and Notes

| | | | |
|-------------------------|------------------|------------------------------------|------------------|
| Devon Energy - Carlsbad | Project Name: | North Brushy Draw Federal 35 #012H | |
| 6488 7 Rivers Hwy | Project Number: | 01058-0007 | Reported: |
| Artesia NM, 88210 | Project Manager: | Ashley Giovengo | 03/27/23 08:41 |

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Client: Devon
 Project: North Brushy Draw Federal 35 #012H
 Project Manager: Ashley Giovengo
 Address: 1224 Standpipe Rd
 City, State, Zip: Carlsbad, NM 88220
 Phone: 505-382-1211
 Email: ashley.giovengo@wescominc.com
 Report due by:

Bill To
 Attention: Jim Raley
 Address: 5315 Buena Vista Dr
 City, State, Zip: Carlsbad, NM 88220
 Phone: 575-689-7597
 Email: jim.raley@dvn.com

| Lab Use Only | | TAT | | | | EPA Program | |
|---------------------|------------|-----|----|----|----------|-------------|------|
| Lab WO# | Job Number | 1D | 2D | 3D | Standard | CWA | SDWA |
| E303075 | 01058-0007 | | | | X | | |
| Analysis and Method | | | | | | | RCRA |

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX | Remarks |
|--------------|--------------|--------|-------------------|---------------------------------|------------|-----------------|-----------------|--------------|-------------|-------------|----------------|----------|----------|---------|
| 13:06 | 03.17.2023 | Soil | 1 Jar | CONF-0* CONF01-01 | 1 | | | | | | | X | | |
| | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | |

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, jim.raley@dvn.com, ashley.giovengo@wescominc.com, iason.iohnsen@wescominc.com, iustin.wenner@wescominc.com

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

| | | | | | | |
|--|------------|----------------------------|--|-----------------|--------------|---|
| Relinquished by: (Signature) <i>Sharon Ornes</i> | 03.20.2023 | 1:42 PM | Received by: (Signature) <i>Michelle Cruz</i> | Date 3-20-23 | Time 1342 | Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u> |
| Relinquished by: (Signature) <i>Michelle Cruz</i> | 03.20.2023 | 1:42 PM 1700 | Received by: (Signature) <i>Andrew M...</i> | Date 3-21-23 | Time 5:30 | |
| Relinquished by: (Signature) <i>Andrew M...</i> | 3-21-23 | 11:30 | Received by: (Signature) <i>Andrew M...</i> | Date 3-22-23 | Time 5:00 | |

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 3/22/2023 10:06:27AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

| | | | | | |
|---------|-------------------------------|-----------------|----------------------------|----------------|----------------|
| Client: | Devon Energy - Carlsbad | Date Received: | 03/22/23 05:00 | Work Order ID: | E303075 |
| Phone: | (505) 382-1211 | Date Logged In: | 03/21/23 14:14 | Logged In By: | Alexa Michaels |
| Email: | ashley.giovengo@wescominc.com | Due Date: | 03/27/23 17:00 (3 day TAT) | | |

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Ensolum, LLC

Project Name: North Brushy Draw Fed 35 #012H

Work Order: E309072

Job Number: 01058-0007

Received: 9/9/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/15/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 9/15/23



Ashley Giovengo
3122 National Parks Hwy
Carlsbad, NM 88220

Project Name: North Brushy Draw Fed 35 #012H
Workorder: E309072
Date Received: 9/9/2023 9:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/9/2023 9:00:00AM, under the Project Name: North Brushy Draw Fed 35 #012H.

The analytical test results summarized in this report with the Project Name: North Brushy Draw Fed 35 #012H 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Alexa Michaels
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Sample Summary

| | | |
|---|--|------------------------------------|
| Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220 | Project Name: North Brushy Draw Fed 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 09/15/23 12:13 |
|---|--|------------------------------------|

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| SW01 - 0' | E309072-01A | Soil | 09/07/23 | 09/09/23 | Glass Jar, 2 oz. |



Case Narrative:

Project Name: North Brushy Draw Fed 35 #012H

Workorder: E309072

Date Received: 9/9/2023

Per client request sample #01 was re-extracted to verify original chloride results. Originally results were reported with a 20x dilution and it was a 2x dilution, the re-extract and bench records all clarified this dilution error.

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

Respectfully,

Walter Hinchman



Sample Data

| | | |
|---|--|--|
| Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220 | Project Name: North Brushy Draw Fed 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 9/15/2023 12:13:42PM |
|---|--|--|

SW01 - 0'

E309072-01

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2337004 |
| Benzene | ND | 0.0250 | 1 | 09/11/23 | 09/12/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/11/23 | 09/12/23 | |
| Toluene | ND | 0.0250 | 1 | 09/11/23 | 09/12/23 | |
| o-Xylene | ND | 0.0250 | 1 | 09/11/23 | 09/12/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/11/23 | 09/12/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 09/11/23 | 09/12/23 | |
| <i>Surrogate: Bromofluorobenzene</i> | | 107 % | 70-130 | 09/11/23 | 09/12/23 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 94.9 % | 70-130 | 09/11/23 | 09/12/23 | |
| <i>Surrogate: Toluene-d8</i> | | 101 % | 70-130 | 09/11/23 | 09/12/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2337004 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/11/23 | 09/12/23 | |
| <i>Surrogate: Bromofluorobenzene</i> | | 107 % | 70-130 | 09/11/23 | 09/12/23 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 94.9 % | 70-130 | 09/11/23 | 09/12/23 | |
| <i>Surrogate: Toluene-d8</i> | | 101 % | 70-130 | 09/11/23 | 09/12/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2337029 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/12/23 | 09/13/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/12/23 | 09/13/23 | |
| <i>Surrogate: n-Nonane</i> | | 96.2 % | 50-200 | 09/12/23 | 09/13/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2337018 |
| Chloride | 2480 | 40.0 | 2 | 09/11/23 | 09/13/23 | |



QC Summary Data

| | | |
|---|--|--|
| Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220 | Project Name: North Brushy Draw Fed 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 9/15/2023 12:13:42PM |
|---|--|--|

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2337004-BLK1)

Prepared: 09/11/23 Analyzed: 09/11/23

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: Bromofluorobenzene | 0.547 | | 0.500 | | 109 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.466 | | 0.500 | | 93.1 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.513 | | 0.500 | | 103 | 70-130 | | | |

LCS (2337004-BS1)

Prepared: 09/11/23 Analyzed: 09/11/23

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| Benzene | 2.49 | 0.0250 | 2.50 | | 99.4 | 70-130 | | | |
| Ethylbenzene | 2.57 | 0.0250 | 2.50 | | 103 | 70-130 | | | |
| Toluene | 2.48 | 0.0250 | 2.50 | | 99.2 | 70-130 | | | |
| o-Xylene | 2.67 | 0.0250 | 2.50 | | 107 | 70-130 | | | |
| p,m-Xylene | 5.22 | 0.0500 | 5.00 | | 104 | 70-130 | | | |
| Total Xylenes | 7.89 | 0.0250 | 7.50 | | 105 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.527 | | 0.500 | | 105 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.484 | | 0.500 | | 96.7 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.501 | | 0.500 | | 100 | 70-130 | | | |

Matrix Spike (2337004-MS1)

Source: E309054-01

Prepared: 09/11/23 Analyzed: 09/11/23

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|----|------|--------|--|--|--|
| Benzene | 2.51 | 0.0250 | 2.50 | ND | 100 | 48-131 | | | |
| Ethylbenzene | 2.58 | 0.0250 | 2.50 | ND | 103 | 45-135 | | | |
| Toluene | 2.49 | 0.0250 | 2.50 | ND | 99.7 | 48-130 | | | |
| o-Xylene | 2.67 | 0.0250 | 2.50 | ND | 107 | 43-135 | | | |
| p,m-Xylene | 5.20 | 0.0500 | 5.00 | ND | 104 | 43-135 | | | |
| Total Xylenes | 7.87 | 0.0250 | 7.50 | ND | 105 | 43-135 | | | |
| Surrogate: Bromofluorobenzene | 0.536 | | 0.500 | | 107 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.468 | | 0.500 | | 93.6 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.498 | | 0.500 | | 99.6 | 70-130 | | | |

Matrix Spike Dup (2337004-MSD1)

Source: E309054-01

Prepared: 09/11/23 Analyzed: 09/12/23

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|----|------|--------|-------|----|--|
| Benzene | 2.50 | 0.0250 | 2.50 | ND | 99.9 | 48-131 | 0.400 | 23 | |
| Ethylbenzene | 2.59 | 0.0250 | 2.50 | ND | 104 | 45-135 | 0.328 | 27 | |
| Toluene | 2.49 | 0.0250 | 2.50 | ND | 99.5 | 48-130 | 0.221 | 24 | |
| o-Xylene | 2.68 | 0.0250 | 2.50 | ND | 107 | 43-135 | 0.430 | 27 | |
| p,m-Xylene | 5.23 | 0.0500 | 5.00 | ND | 105 | 43-135 | 0.623 | 27 | |
| Total Xylenes | 7.91 | 0.0250 | 7.50 | ND | 105 | 43-135 | 0.558 | 27 | |
| Surrogate: Bromofluorobenzene | 0.532 | | 0.500 | | 106 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.478 | | 0.500 | | 95.5 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.496 | | 0.500 | | 99.1 | 70-130 | | | |



QC Summary Data

| | | |
|---|--|--|
| Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220 | Project Name: North Brushy Draw Fed 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 9/15/2023 12:13:42PM |
|---|--|--|

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

Blank (2337004-BLK1)

Prepared: 09/11/23 Analyzed: 09/11/23

| | | | | | | | | | |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: Bromofluorobenzene | 0.547 | | 0.500 | | 109 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.466 | | 0.500 | | 93.1 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.513 | | 0.500 | | 103 | 70-130 | | | |

LCS (2337004-BS2)

Prepared: 09/11/23 Analyzed: 09/11/23

| | | | | | | | | | |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 53.3 | 20.0 | 50.0 | | 107 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.536 | | 0.500 | | 107 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.494 | | 0.500 | | 98.8 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.505 | | 0.500 | | 101 | 70-130 | | | |

Matrix Spike (2337004-MS2)

Source: E309054-01

Prepared: 09/11/23 Analyzed: 09/12/23

| | | | | | | | | | |
|----------------------------------|-------|------|-------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 56.4 | 20.0 | 50.0 | ND | 113 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.533 | | 0.500 | | 107 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.464 | | 0.500 | | 92.7 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.508 | | 0.500 | | 102 | 70-130 | | | |

Matrix Spike Dup (2337004-MSD2)

Source: E309054-01

Prepared: 09/11/23 Analyzed: 09/12/23

| | | | | | | | | | |
|----------------------------------|-------|------|-------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 53.2 | 20.0 | 50.0 | ND | 106 | 70-130 | 5.78 | 20 | |
| Surrogate: Bromofluorobenzene | 0.531 | | 0.500 | | 106 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.482 | | 0.500 | | 96.4 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.508 | | 0.500 | | 102 | 70-130 | | | |



QC Summary Data

| | | |
|---|--|--|
| Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220 | Project Name: North Brushy Draw Fed 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 9/15/2023 12:13:42PM |
|---|--|--|

Nonhalogenated Organics 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 (2337029-BLK1)

Prepared: 09/12/23 Analyzed: 09/13/23

| | | | | | | | | | |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: <i>n</i> -Nonane | 48.7 | | 50.0 | | 97.3 | 50-200 | | | |

LCS (2337029-BS1)

Prepared: 09/12/23 Analyzed: 09/13/23

| | | | | | | | | | |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 255 | 25.0 | 250 | | 102 | 38-132 | | | |
| Surrogate: <i>n</i> -Nonane | 46.5 | | 50.0 | | 93.0 | 50-200 | | | |

Matrix Spike (2337029-MS1)

Source: E309076-02

Prepared: 09/12/23 Analyzed: 09/13/23

| | | | | | | | | | |
|---------------------------------|------|------|------|----|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 267 | 25.0 | 250 | ND | 107 | 38-132 | | | |
| Surrogate: <i>n</i> -Nonane | 49.0 | | 50.0 | | 98.1 | 50-200 | | | |

Matrix Spike Dup (2337029-MSD1)

Source: E309076-02

Prepared: 09/12/23 Analyzed: 09/13/23

| | | | | | | | | | |
|---------------------------------|------|------|------|----|------|--------|-------|----|--|
| Diesel Range Organics (C10-C28) | 265 | 25.0 | 250 | ND | 106 | 38-132 | 0.743 | 20 | |
| Surrogate: <i>n</i> -Nonane | 46.9 | | 50.0 | | 93.8 | 50-200 | | | |



QC Summary Data

| | | |
|---|--|--|
| Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220 | Project Name: North Brushy Draw Fed 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 9/15/2023 12:13:42PM |
|---|--|--|

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2337018-BLK1)

Prepared: 09/11/23 Analyzed: 09/12/23

| | | | | | | | | | |
|----------|----|------|--|--|--|--|--|--|--|
| Chloride | ND | 20.0 | | | | | | | |
|----------|----|------|--|--|--|--|--|--|--|

LCS (2337018-BS1)

Prepared: 09/11/23 Analyzed: 09/12/23

| | | | | | | | | | |
|----------|-----|------|-----|--|-----|--------|--|--|--|
| Chloride | 267 | 20.0 | 250 | | 107 | 90-110 | | | |
|----------|-----|------|-----|--|-----|--------|--|--|--|

Matrix Spike (2337018-MS1)

Source: E309045-01

Prepared: 09/11/23 Analyzed: 09/12/23

| | | | | | | | | | |
|----------|-----|------|-----|------|-----|--------|--|--|--|
| Chloride | 287 | 20.0 | 250 | 20.9 | 106 | 80-120 | | | |
|----------|-----|------|-----|------|-----|--------|--|--|--|

Matrix Spike Dup (2337018-MSD1)

Source: E309045-01

Prepared: 09/11/23 Analyzed: 09/12/23

| | | | | | | | | | |
|----------|-----|------|-----|------|-----|--------|------|----|--|
| Chloride | 291 | 20.0 | 250 | 20.9 | 108 | 80-120 | 1.54 | 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

| | | | |
|-------------------------|------------------|--------------------------------|------------------|
| Ensolum, LLC | Project Name: | North Brushy Draw Fed 35 #012H | |
| 3122 National Parks Hwy | Project Number: | 01058-0007 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Ashley Giovengo | 09/15/23 12:13 |

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Released to Imaging: 2/26/2024 1:55:25 PM

Received by OCD: 11/2/2023 8:39:22 AM

| | | | | | | | | | | | | | |
|---|--|--------------------------------------|--|-------------------------|--------------|-------------|-------------|----------------|----------|-------------|-------|---------|----|
| Client: Ensolum, LLC. | | Bill To | | Lab Use Only | | | TAT | | | EPA Program | | | |
| Project: North Brushy Draw Fed 35 #012H | | Attention: Jim Raley | | Lab WO# | Job Number | | 1D | 2D | 3D | Standard | CWA | SDWA | |
| Project Manager: Ashley Giovengo | | Address: 5315 Buena Vista Dr | | E309072 | | 010580007 | | | | | x | | |
| Address: 3122 National Parks Hwy | | City, State, Zip: Carlsbad NM, 88220 | | Analysis and Method | | | | | | | | RCRA | |
| City, State, Zip: Carlsbad NM, 88220 | | Phone: (575)689-7597 | | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDOC TX | State | | |
| Phone: 575-988-0055 | | Email: jim.raley@dvn.com | | | | | | | | | NM | CO | UT |
| Email: agiovengo@ensolum.com | | Report due by: | | | | | | | | | | Remarks | |

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDOC TX | Remarks |
|--------------|--------------|--------|-------------------|-----------|------------|-------------------------|--------------|-------------|-------------|----------------|----------|---------|---------|
| 9:10 | 9/7/2023 | Soil | 1 Jar | SW01 - 0' | 1 | | | | | | x | | |
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Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, chamilton@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

| | | | | | | |
|---|-------------|------------|---|-------------|-----------|---|
| Relinquished by: (Signature) <i>Zoe B...</i> | Date 9-8-23 | Time 11:12 | Received by: (Signature) <i>Michelle G...</i> | Date 9-8-23 | Time 1112 | Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u> |
| Relinquished by: (Signature) <i>Michelle G...</i> | Date 9-8-23 | Time 1820 | Received by: (Signature) <i>Andrea M...</i> | Date 9-8-23 | Time 1820 | |
| Relinquished by: (Signature) <i>Andrea M...</i> | Date 9.9.23 | Time 2415 | Received by: (Signature) <i>[Signature]</i> | Date 9.9.23 | Time 900 | |

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Page 75 of 107

Envirotech Analytical Laboratory

Printed: 9/11/2023 10:38:46AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

| | | |
|-------------------------------|--------------------------------------|------------------------------|
| Client: Ensolum, LLC | Date Received: 09/09/23 09:00 | Work Order ID: E309072 |
| Phone: (575) 988-0055 | Date Logged In: 09/09/23 11:09 | Logged In By: Alexa Michaels |
| Email: a.giovengo@ensolum.com | Due Date: 09/15/23 17:00 (4 day TAT) | |

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Ensolum, LLC

Project Name: North Brushy Draw Fed 35 #012H

Work Order: E309073

Job Number: 01058-0007

Received: 9/9/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/13/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 9/13/23



Ashley Giovengo
3122 National Parks Hwy
Carlsbad, NM 88220

Project Name: North Brushy Draw Fed 35 #012H
Workorder: E309073
Date Received: 9/9/2023 9:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/9/2023 9:00:00AM, under the Project Name: North Brushy Draw Fed 35 #012H.

The analytical test results summarized in this report with the Project Name: North Brushy Draw Fed 35 #012H 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

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ljjarboe@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

| | | |
|---|--|------------------------------------|
| Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220 | Project Name: North Brushy Draw Fed 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 09/13/23 12:24 |
|---|--|------------------------------------|

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| SS06 - 0' | E309073-01A | Soil | 09/07/23 | 09/09/23 | Glass Jar, 2 oz. |
| SS07 - 0' | E309073-02A | Soil | 09/07/23 | 09/09/23 | Glass Jar, 2 oz. |



Sample Data

| | | |
|---|--|--|
| Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220 | Project Name: North Brushy Draw Fed 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 9/13/2023 12:24:59PM |
|---|--|--|

SS06 - 0'
E309073-01

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---------|--------|-----------------|----------|----------|----------|-------|
|---------|--------|-----------------|----------|----------|----------|-------|

| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2337004 |
|--|-------|--------|--------------|----------|----------------|
| Benzene | ND | 0.0250 | 1 | 09/11/23 | 09/12/23 |
| Ethylbenzene | ND | 0.0250 | 1 | 09/11/23 | 09/12/23 |
| Toluene | ND | 0.0250 | 1 | 09/11/23 | 09/12/23 |
| o-Xylene | ND | 0.0250 | 1 | 09/11/23 | 09/12/23 |
| p,m-Xylene | ND | 0.0500 | 1 | 09/11/23 | 09/12/23 |
| Total Xylenes | ND | 0.0250 | 1 | 09/11/23 | 09/12/23 |

| | | | | | |
|---|--------|--------|--|----------|----------|
| <i>Surrogate: Bromofluorobenzene</i> | 104 % | 70-130 | | 09/11/23 | 09/12/23 |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 93.9 % | 70-130 | | 09/11/23 | 09/12/23 |
| <i>Surrogate: Toluene-d8</i> | 101 % | 70-130 | | 09/11/23 | 09/12/23 |

| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2337004 |
|---|--------|--------|--------------|----------|----------------|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/11/23 | 09/12/23 |
| <i>Surrogate: Bromofluorobenzene</i> | 104 % | 70-130 | | 09/11/23 | 09/12/23 |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 93.9 % | 70-130 | | 09/11/23 | 09/12/23 |
| <i>Surrogate: Toluene-d8</i> | 101 % | 70-130 | | 09/11/23 | 09/12/23 |

| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: JL | | Batch: 2337030 |
|---|-------|--------|-------------|----------|----------------|
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/12/23 | 09/12/23 |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/12/23 | 09/12/23 |
| <i>Surrogate: n-Nonane</i> | 101 % | 50-200 | | 09/12/23 | 09/12/23 |

| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2337018 |
|----------------------------------|-------|-------|-------------|----------|----------------|
| Chloride | 136 | 40.0 | 2 | 09/11/23 | 09/13/23 |



Sample Data

| | | |
|---|--|--|
| Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220 | Project Name: North Brushy Draw Fed 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 9/13/2023 12:24:59PM |
|---|--|--|

SS07 - 0'

E309073-02

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2337004 |
| Benzene | ND | 0.0250 | 1 | 09/11/23 | 09/12/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/11/23 | 09/12/23 | |
| Toluene | ND | 0.0250 | 1 | 09/11/23 | 09/12/23 | |
| o-Xylene | ND | 0.0250 | 1 | 09/11/23 | 09/12/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/11/23 | 09/12/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 09/11/23 | 09/12/23 | |
| <i>Surrogate: Bromofluorobenzene</i> | | 107 % | 70-130 | 09/11/23 | 09/12/23 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 96.5 % | 70-130 | 09/11/23 | 09/12/23 | |
| <i>Surrogate: Toluene-d8</i> | | 102 % | 70-130 | 09/11/23 | 09/12/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2337004 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/11/23 | 09/12/23 | |
| <i>Surrogate: Bromofluorobenzene</i> | | 107 % | 70-130 | 09/11/23 | 09/12/23 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 96.5 % | 70-130 | 09/11/23 | 09/12/23 | |
| <i>Surrogate: Toluene-d8</i> | | 102 % | 70-130 | 09/11/23 | 09/12/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2337030 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/12/23 | 09/12/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/12/23 | 09/12/23 | |
| <i>Surrogate: n-Nonane</i> | | 104 % | 50-200 | 09/12/23 | 09/12/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2337018 |
| Chloride | 38.8 | 20.0 | 1 | 09/11/23 | 09/13/23 | |



QC Summary Data

| | | |
|---|--|-----------------------------------|
| Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220 | Project Name: North Brushy Draw Fed 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 9/13/2023 12:24:59PM |
|---|--|-----------------------------------|

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2337004-BLK1)

Prepared: 09/11/23 Analyzed: 09/11/23

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: Bromofluorobenzene | 0.547 | | 0.500 | | 109 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.466 | | 0.500 | | 93.1 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.513 | | 0.500 | | 103 | 70-130 | | | |

LCS (2337004-BS1)

Prepared: 09/11/23 Analyzed: 09/11/23

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| Benzene | 2.49 | 0.0250 | 2.50 | | 99.4 | 70-130 | | | |
| Ethylbenzene | 2.57 | 0.0250 | 2.50 | | 103 | 70-130 | | | |
| Toluene | 2.48 | 0.0250 | 2.50 | | 99.2 | 70-130 | | | |
| o-Xylene | 2.67 | 0.0250 | 2.50 | | 107 | 70-130 | | | |
| p,m-Xylene | 5.22 | 0.0500 | 5.00 | | 104 | 70-130 | | | |
| Total Xylenes | 7.89 | 0.0250 | 7.50 | | 105 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.527 | | 0.500 | | 105 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.484 | | 0.500 | | 96.7 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.501 | | 0.500 | | 100 | 70-130 | | | |

Matrix Spike (2337004-MS1)

Source: E309054-01

Prepared: 09/11/23 Analyzed: 09/11/23

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|----|------|--------|--|--|--|
| Benzene | 2.51 | 0.0250 | 2.50 | ND | 100 | 48-131 | | | |
| Ethylbenzene | 2.58 | 0.0250 | 2.50 | ND | 103 | 45-135 | | | |
| Toluene | 2.49 | 0.0250 | 2.50 | ND | 99.7 | 48-130 | | | |
| o-Xylene | 2.67 | 0.0250 | 2.50 | ND | 107 | 43-135 | | | |
| p,m-Xylene | 5.20 | 0.0500 | 5.00 | ND | 104 | 43-135 | | | |
| Total Xylenes | 7.87 | 0.0250 | 7.50 | ND | 105 | 43-135 | | | |
| Surrogate: Bromofluorobenzene | 0.536 | | 0.500 | | 107 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.468 | | 0.500 | | 93.6 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.498 | | 0.500 | | 99.6 | 70-130 | | | |

Matrix Spike Dup (2337004-MSD1)

Source: E309054-01

Prepared: 09/11/23 Analyzed: 09/12/23

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|----|------|--------|-------|----|--|
| Benzene | 2.50 | 0.0250 | 2.50 | ND | 99.9 | 48-131 | 0.400 | 23 | |
| Ethylbenzene | 2.59 | 0.0250 | 2.50 | ND | 104 | 45-135 | 0.328 | 27 | |
| Toluene | 2.49 | 0.0250 | 2.50 | ND | 99.5 | 48-130 | 0.221 | 24 | |
| o-Xylene | 2.68 | 0.0250 | 2.50 | ND | 107 | 43-135 | 0.430 | 27 | |
| p,m-Xylene | 5.23 | 0.0500 | 5.00 | ND | 105 | 43-135 | 0.623 | 27 | |
| Total Xylenes | 7.91 | 0.0250 | 7.50 | ND | 105 | 43-135 | 0.558 | 27 | |
| Surrogate: Bromofluorobenzene | 0.532 | | 0.500 | | 106 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.478 | | 0.500 | | 95.5 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.496 | | 0.500 | | 99.1 | 70-130 | | | |



QC Summary Data

| | | |
|---|--|--|
| Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220 | Project Name: North Brushy Draw Fed 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 9/13/2023 12:24:59PM |
|---|--|--|

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

Blank (2337004-BLK1)

Prepared: 09/11/23 Analyzed: 09/11/23

| | | | | | | | | | |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: Bromofluorobenzene | 0.547 | | 0.500 | | 109 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.466 | | 0.500 | | 93.1 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.513 | | 0.500 | | 103 | 70-130 | | | |

LCS (2337004-BS2)

Prepared: 09/11/23 Analyzed: 09/11/23

| | | | | | | | | | |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 53.3 | 20.0 | 50.0 | | 107 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.536 | | 0.500 | | 107 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.494 | | 0.500 | | 98.8 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.505 | | 0.500 | | 101 | 70-130 | | | |

Matrix Spike (2337004-MS2)

Source: E309054-01

Prepared: 09/11/23 Analyzed: 09/12/23

| | | | | | | | | | |
|----------------------------------|-------|------|-------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 56.4 | 20.0 | 50.0 | ND | 113 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.533 | | 0.500 | | 107 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.464 | | 0.500 | | 92.7 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.508 | | 0.500 | | 102 | 70-130 | | | |

Matrix Spike Dup (2337004-MSD2)

Source: E309054-01

Prepared: 09/11/23 Analyzed: 09/12/23

| | | | | | | | | | |
|----------------------------------|-------|------|-------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 53.2 | 20.0 | 50.0 | ND | 106 | 70-130 | 5.78 | 20 | |
| Surrogate: Bromofluorobenzene | 0.531 | | 0.500 | | 106 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.482 | | 0.500 | | 96.4 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.508 | | 0.500 | | 102 | 70-130 | | | |



QC Summary Data

| | | |
|---|--|--|
| Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220 | Project Name: North Brushy Draw Fed 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 9/13/2023 12:24:59PM |
|---|--|--|

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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

Blank (2337030-BLK1)

Prepared: 09/12/23 Analyzed: 09/12/23

| | | | | | | | | | |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: <i>n</i> -Nonane | 48.4 | | 50.0 | | 96.8 | 50-200 | | | |

LCS (2337030-BS1)

Prepared: 09/12/23 Analyzed: 09/12/23

| | | | | | | | | | |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 260 | 25.0 | 250 | | 104 | 38-132 | | | |
| Surrogate: <i>n</i> -Nonane | 47.6 | | 50.0 | | 95.1 | 50-200 | | | |

Matrix Spike (2337030-MS1)

Source: E309070-05

Prepared: 09/12/23 Analyzed: 09/12/23

| | | | | | | | | | |
|---------------------------------|------|------|------|----|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 252 | 25.0 | 250 | ND | 101 | 38-132 | | | |
| Surrogate: <i>n</i> -Nonane | 47.4 | | 50.0 | | 94.8 | 50-200 | | | |

Matrix Spike Dup (2337030-MSD1)

Source: E309070-05

Prepared: 09/12/23 Analyzed: 09/12/23

| | | | | | | | | | |
|---------------------------------|------|------|------|----|------|--------|------|----|--|
| Diesel Range Organics (C10-C28) | 262 | 25.0 | 250 | ND | 105 | 38-132 | 3.99 | 20 | |
| Surrogate: <i>n</i> -Nonane | 48.3 | | 50.0 | | 96.5 | 50-200 | | | |



QC Summary Data

| | | |
|---|--|--|
| Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220 | Project Name: North Brushy Draw Fed 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 9/13/2023 12:24:59PM |
|---|--|--|

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2337018-BLK1)

Prepared: 09/11/23 Analyzed: 09/12/23

| | | | | | | | | | |
|----------|----|------|--|--|--|--|--|--|--|
| Chloride | ND | 20.0 | | | | | | | |
|----------|----|------|--|--|--|--|--|--|--|

LCS (2337018-BS1)

Prepared: 09/11/23 Analyzed: 09/12/23

| | | | | | | | | | |
|----------|-----|------|-----|--|-----|--------|--|--|--|
| Chloride | 267 | 20.0 | 250 | | 107 | 90-110 | | | |
|----------|-----|------|-----|--|-----|--------|--|--|--|

Matrix Spike (2337018-MS1)

Source: E309045-01

Prepared: 09/11/23 Analyzed: 09/12/23

| | | | | | | | | | |
|----------|-----|------|-----|------|-----|--------|--|--|--|
| Chloride | 287 | 20.0 | 250 | 20.9 | 106 | 80-120 | | | |
|----------|-----|------|-----|------|-----|--------|--|--|--|

Matrix Spike Dup (2337018-MSD1)

Source: E309045-01

Prepared: 09/11/23 Analyzed: 09/12/23

| | | | | | | | | | |
|----------|-----|------|-----|------|-----|--------|------|----|--|
| Chloride | 291 | 20.0 | 250 | 20.9 | 108 | 80-120 | 1.54 | 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

| | | | |
|-------------------------|------------------|--------------------------------|------------------|
| Ensolum, LLC | Project Name: | North Brushy Draw Fed 35 #012H | |
| 3122 National Parks Hwy | Project Number: | 01058-0007 | Reported: |
| Carlsbad NM, 88220 | Project Manager: | Ashley Giovengo | 09/13/23 12:24 |

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.



Envirotech Analytical Laboratory

Printed: 9/11/2023 10:42:01AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Ensolum, LLC Date Received: 09/09/23 09:00 Work Order ID: E309073
Phone: (575) 988-0055 Date Logged In: 09/09/23 11:11 Logged In By: Alexa Michaels
Email: a.giovengo@ensolum.com Due Date: 09/15/23 17:00 (4 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

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

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for Client Instruction

Comments/Resolution

Large empty box for Comments/Resolution

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: North Brushy Draw Federal 35
#012H

Work Order: E310187

Job Number: 01058-0007

Received: 10/20/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/27/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 10/27/23



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: North Brushy Draw Federal 35 #012H
Workorder: E310187
Date Received: 10/20/2023 8:10:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/20/2023 8:10:00AM, under the Project Name: North Brushy Draw Federal 35 #012H.

The analytical test results summarized in this report with the Project Name: North Brushy Draw Federal 35 #012H 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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Sample Summary

| | | |
|---|--|------------------------------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 10/27/23 12:13 |
|---|--|------------------------------------|

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| SS08A - 1' | E310187-01A | Soil | 10/18/23 | 10/20/23 | Glass Jar, 2 oz. |
| SS08B - 2' | E310187-02A | Soil | 10/18/23 | 10/20/23 | Glass Jar, 4 oz. |
| SS08C - 2.25' | E310187-03A | Soil | 10/18/23 | 10/20/23 | Glass Jar, 2 oz. |



Sample Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 10/27/2023 12:13:56PM |
|---|--|---|

SS08A - 1'

E310187-01

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | mg/kg | mg/kg | Analyst: RKS | | Batch: 2342092 |
| Benzene | ND | 0.0250 | 1 | 10/19/23 | 10/25/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/19/23 | 10/25/23 | |
| Toluene | ND | 0.0250 | 1 | 10/19/23 | 10/25/23 | |
| o-Xylene | ND | 0.0250 | 1 | 10/19/23 | 10/25/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/19/23 | 10/25/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/19/23 | 10/25/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | 93.5 % | 70-130 | 10/19/23 | 10/25/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | mg/kg | mg/kg | Analyst: RKS | | Batch: 2342092 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/19/23 | 10/25/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | 93.5 % | 70-130 | 10/19/23 | 10/25/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | mg/kg | mg/kg | Analyst: KM | | Batch: 2342115 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/20/23 | 10/20/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 10/20/23 | 10/20/23 | |
| <i>Surrogate: n-Nonane</i> | | 98.9 % | 50-200 | 10/20/23 | 10/20/23 | |
| Anions by EPA 300.0/9056A | | mg/kg | mg/kg | Analyst: RAS | | Batch: 2342102 |
| Chloride | 6400 | 400 | 20 | 10/20/23 | 10/24/23 | |



Sample Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 10/27/2023 12:13:56PM |
|---|--|---|

SS08B - 2'

E310187-02

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2342092 |
| Benzene | ND | 0.0250 | 1 | 10/19/23 | 10/25/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/19/23 | 10/25/23 | |
| Toluene | ND | 0.0250 | 1 | 10/19/23 | 10/25/23 | |
| o-Xylene | ND | 0.0250 | 1 | 10/19/23 | 10/25/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/19/23 | 10/25/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/19/23 | 10/25/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | 93.2 % | 70-130 | 10/19/23 | 10/25/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2342092 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/19/23 | 10/25/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | 93.6 % | 70-130 | 10/19/23 | 10/25/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: KM | | Batch: 2342115 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/20/23 | 10/20/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 10/20/23 | 10/20/23 | |
| <i>Surrogate: n-Nonane</i> | | 95.3 % | 50-200 | 10/20/23 | 10/20/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: RAS | | Batch: 2342102 |
| Chloride | 2790 | 400 | 20 | 10/20/23 | 10/24/23 | |



Sample Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 10/27/2023 12:13:56PM |
|---|--|---|

SS08C - 2.25'

E310187-03

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2342092 |
| Benzene | ND | 0.0250 | 1 | 10/19/23 | 10/25/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/19/23 | 10/25/23 | |
| Toluene | ND | 0.0250 | 1 | 10/19/23 | 10/25/23 | |
| o-Xylene | ND | 0.0250 | 1 | 10/19/23 | 10/25/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/19/23 | 10/25/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/19/23 | 10/25/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | 94.4 % | 70-130 | 10/19/23 | 10/25/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2342092 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/19/23 | 10/25/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | 92.1 % | 70-130 | 10/19/23 | 10/25/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: KM | | Batch: 2342115 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/20/23 | 10/20/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 10/20/23 | 10/20/23 | |
| <i>Surrogate: n-Nonane</i> | | 99.9 % | 50-200 | 10/20/23 | 10/20/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: RAS | | Batch: 2342102 |
| Chloride | 580 | 20.0 | 1 | 10/20/23 | 10/24/23 | |



QC Summary Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 10/27/2023 12:13:56PM |
|---|--|---|

Volatile Organics by EPA 8021B

Analyst: RKS

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

Blank (2342092-BLK1)

Prepared: 10/19/23 Analyzed: 10/25/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.77 | | 8.00 | | 97.1 | 70-130 | | | |

LCS (2342092-BS1)

Prepared: 10/19/23 Analyzed: 10/25/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene | 4.97 | 0.0250 | 5.00 | | 99.5 | 70-130 | | | |
| Ethylbenzene | 4.87 | 0.0250 | 5.00 | | 97.4 | 70-130 | | | |
| Toluene | 4.94 | 0.0250 | 5.00 | | 98.8 | 70-130 | | | |
| o-Xylene | 4.93 | 0.0250 | 5.00 | | 98.7 | 70-130 | | | |
| p,m-Xylene | 9.92 | 0.0500 | 10.0 | | 99.2 | 70-130 | | | |
| Total Xylenes | 14.9 | 0.0250 | 15.0 | | 99.0 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.75 | | 8.00 | | 96.9 | 70-130 | | | |

Matrix Spike (2342092-MS1)

Source: E310132-14

Prepared: 10/19/23 Analyzed: 10/25/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene | 4.95 | 0.0250 | 5.00 | ND | 99.0 | 54-133 | | | |
| Ethylbenzene | 4.86 | 0.0250 | 5.00 | ND | 97.1 | 61-133 | | | |
| Toluene | 4.92 | 0.0250 | 5.00 | ND | 98.4 | 61-130 | | | |
| o-Xylene | 4.89 | 0.0250 | 5.00 | ND | 97.7 | 63-131 | | | |
| p,m-Xylene | 9.89 | 0.0500 | 10.0 | ND | 98.9 | 63-131 | | | |
| Total Xylenes | 14.8 | 0.0250 | 15.0 | ND | 98.5 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.85 | | 8.00 | | 98.2 | 70-130 | | | |

Matrix Spike Dup (2342092-MSD1)

Source: E310132-14

Prepared: 10/19/23 Analyzed: 10/25/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene | 5.11 | 0.0250 | 5.00 | ND | 102 | 54-133 | 3.12 | 20 | |
| Ethylbenzene | 5.02 | 0.0250 | 5.00 | ND | 100 | 61-133 | 3.29 | 20 | |
| Toluene | 5.08 | 0.0250 | 5.00 | ND | 102 | 61-130 | 3.20 | 20 | |
| o-Xylene | 5.05 | 0.0250 | 5.00 | ND | 101 | 63-131 | 3.23 | 20 | |
| p,m-Xylene | 10.2 | 0.0500 | 10.0 | ND | 102 | 63-131 | 3.09 | 20 | |
| Total Xylenes | 15.2 | 0.0250 | 15.0 | ND | 102 | 63-131 | 3.14 | 20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.77 | | 8.00 | | 97.2 | 70-130 | | | |



QC Summary Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 10/27/2023 12:13:56PM |
|---|--|---|

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

Blank (2342092-BLK1)

Prepared: 10/19/23 Analyzed: 10/25/23

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.30 | | 8.00 | | 91.2 | 70-130 | | | |

LCS (2342092-BS2)

Prepared: 10/19/23 Analyzed: 10/25/23

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 46.9 | 20.0 | 50.0 | | 93.8 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.37 | | 8.00 | | 92.1 | 70-130 | | | |

Matrix Spike (2342092-MS2)

Source: E310132-14

Prepared: 10/19/23 Analyzed: 10/25/23

| | | | | | | | | | |
|---|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 46.2 | 20.0 | 50.0 | ND | 92.4 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.32 | | 8.00 | | 91.5 | 70-130 | | | |

Matrix Spike Dup (2342092-MSD2)

Source: E310132-14

Prepared: 10/19/23 Analyzed: 10/25/23

| | | | | | | | | | |
|---|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 48.0 | 20.0 | 50.0 | ND | 96.0 | 70-130 | 3.81 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.36 | | 8.00 | | 92.0 | 70-130 | | | |



QC Summary Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 10/27/2023 12:13:56PM |
|---|--|---|

Nonhalogenated Organics 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 (2342115-BLK1)

Prepared: 10/20/23 Analyzed: 10/20/23

| | | | | | | | | | |
|---------------------------------|------|------|------|--|-----|--------|--|--|--|
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: <i>n</i> -Nonane | 53.0 | | 50.0 | | 106 | 50-200 | | | |

LCS (2342115-BS1)

Prepared: 10/20/23 Analyzed: 10/20/23

| | | | | | | | | | |
|---------------------------------|------|------|------|--|-----|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 276 | 25.0 | 250 | | 110 | 38-132 | | | |
| Surrogate: <i>n</i> -Nonane | 55.2 | | 50.0 | | 110 | 50-200 | | | |

Matrix Spike (2342115-MS1)

Source: E310181-06

Prepared: 10/20/23 Analyzed: 10/20/23

| | | | | | | | | | |
|---------------------------------|------|------|------|----|-----|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 286 | 25.0 | 250 | ND | 115 | 38-132 | | | |
| Surrogate: <i>n</i> -Nonane | 56.4 | | 50.0 | | 113 | 50-200 | | | |

Matrix Spike Dup (2342115-MSD1)

Source: E310181-06

Prepared: 10/20/23 Analyzed: 10/20/23

| | | | | | | | | | |
|---------------------------------|------|------|------|----|-----|--------|------|----|--|
| Diesel Range Organics (C10-C28) | 275 | 25.0 | 250 | ND | 110 | 38-132 | 4.17 | 20 | |
| Surrogate: <i>n</i> -Nonane | 53.6 | | 50.0 | | 107 | 50-200 | | | |



QC Summary Data

| | | |
|---|--|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: North Brushy Draw Federal 35 #012H Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 10/27/2023 12:13:56PM |
|---|--|---|

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2342102-BLK1)

Prepared: 10/20/23 Analyzed: 10/24/23

Chloride ND 20.0

LCS (2342102-BS1)

Prepared: 10/20/23 Analyzed: 10/24/23

Chloride 251 20.0 250 100 90-110

Matrix Spike (2342102-MS1)

Source: E310132-06

Prepared: 10/20/23 Analyzed: 10/24/23

Chloride 254 20.0 250 ND 102 80-120

Matrix Spike Dup (2342102-MSD1)

Source: E310132-06

Prepared: 10/20/23 Analyzed: 10/24/23

Chloride 250 20.0 250 ND 99.9 80-120 1.70 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

| | | | |
|-------------------------|------------------|------------------------------------|------------------|
| Devon Energy - Carlsbad | Project Name: | North Brushy Draw Federal 35 #012H | |
| 6488 7 Rivers Hwy | Project Number: | 01058-0007 | Reported: |
| Artesia NM, 88210 | Project Manager: | Ashley Giovengo | 10/27/23 12:13 |

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Envirotech Analytical Laboratory

Printed: 10/20/2023 10:59:29AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

| | | | | | |
|---------|-------------------------------|-----------------|----------------------------|----------------|--------------|
| Client: | Devon Energy - Carlsbad | Date Received: | 10/20/23 08:10 | Work Order ID: | E310187 |
| Phone: | (505) 382-1211 | Date Logged In: | 10/19/23 16:59 | Logged In By: | Caitlin Mars |
| Email: | ashley.giovengo@wescominc.com | Due Date: | 10/26/23 17:00 (4 day TAT) | | |

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

| | | | | | | | | | | | |
|---|--|--------------------------------------|--|-------------------------|--------------|-------------|-------------|----------------|----------|-----|------|
| Client: Devon | | Bill To | | Lab Use Only | | TAT | | EPA Program | | | |
| Project: North Brushy Draw Federal 35 #012H | | Attention: Jim Raley | | Lab WO# | Job Number | 1D | 2D | 3D | Standard | CWA | SDWA |
| Project Manager: Ashley Giovengo | | Address: 5315 Buena Vista Dr | | E310187 | 01058-0007 | | | | x | | |
| Address: 3122 National Parks Hwy | | City, State, Zip: Carlsbad NM, 88220 | | Analysis and Method | | | | | | | |
| City, State, Zip: Carlsbad NM, 88220 | | Phone: (575)689-7597 | | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC | TX | RCRA |
| Email: agiovengo@ensolum.com | | Email: jim.raley@dvn.com | | State | | | | | | | |
| Report due by: | | | | NM | CO | UT | AZ | TX | | | |

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC | TX | Remarks |
|--------------|--------------|--------|-------------------|--------------------|------------|-------------------------|--------------|-------------|-------------|----------------|-------|----|---|
| 9:05 | 10/18/2023 | Soil | 1 Jar | SS08-0-SS08A-1' | 1 | | | | | | X | | Changed sample names per client request 10/27/23 cm |
| 9:15 | 10/18/2023 | Soil | 1 Jar | SS08-1-SS08B-2' | 2 | | | | | | X | | |
| 9:55 | 10/18/2023 | Soil | 1 Jar | SS08-2-SS08C-2.25' | 3 | | | | | | X | | |

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, chamilton@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

| | | | | | | |
|------------------------------|----------|------|--------------------------|----------|-------|--|
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Lab Use Only |
| <i>[Signature]</i> | 10-19-23 | 7:24 | <i>[Signature]</i> | 10-19-23 | 13:10 | Received on ice: <input checked="" type="checkbox"/> / N |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | T1 _____ T2 _____ T3 _____ |
| <i>[Signature]</i> | 10-19-23 | 1830 | <i>[Signature]</i> | 10-19-23 | 1830 | |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | AVG Temp °C <u>4</u> |
| <i>[Signature]</i> | 10-19-23 | 2400 | <i>[Signature]</i> | 10-20-23 | 8:10 | |

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.





APPENDIX F

Email Correspondence

From: [Ashley Giovengo](#)
To: [Enviro, OCD, EMNRD](#); [Morgan, Crisha A](#)
Cc: [Raley, Jim](#); [Cole Burton](#); [Chad Hamilton](#)
Subject: 48-hour Confirmation Sampling Notification Email - North Brushy Draw Federal 35 #012H - Incident Numbers nAPP2302534751 & nAPP2232043831
Date: Tuesday, September 5, 2023 2:44:03 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

Hello,

We intend to collect confirmation samples at Devon Energy's North Brushy Draw Federal 35 #012H site (Incident Numbers nAPP2302534751 & nAPP2232043831) on Thursday, September 07, 2023, at 09:00 am MST.

Please let us know if you plan to be onsite to oversee the sampling.

Thanks,



Ashley Giovengo

Senior Engineer

575-988-0055

Ensolum, LLC

in f 

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 282053

CONDITIONS

| | |
|--|---|
| Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102 | OGRID: 246289 |
| | Action Number: 282053 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|---------------|--|----------------|
| scott.rodgers | Remediation Closure approved. All areas not reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as practical. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. | 2/26/2024 |