SITE CHARACTERIZATION AND REMEDIATION PLAN ADDENDUM

Prepared For:

WPX Energy Permian, LLC

5315 Buena Vista Dr.

Carlsbad, NM 88220

Site Information:

Barbados State #001 SWD

Incident Number nAB1619656595

Unit I, Section 32, Township 23 South, Range 26 East

Eddy County, New Mexico

(32.346210, -104.308265)

Carlsbad ● Houston ● Midland ● San Antonio ● Lubbock ● Hobbs ● Lafayette

SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of WPX Energy Permian, LLC (WPX), presents the following Site Characterization and Remediation Plan Addendum (SCRPA) detailing site assessment and delineation soil sampling activities associated with an inadvertent release of produced water at the Barbados State #001 SWD (Site). WPX proposes this SCRPA, which summarizes soils sampling activities, corrective actions, and details remediation objectives to rectify environmental impacts at the Site in accordance to re-evaluated Site Closure Criteria.

SITE LOCATION AND RELEASE BACKGROUND

The Site is located in Unit I, Section 32, Township 23 South, Range 26 East, in Eddy County, New Mexico (32.346210°, -104.308265°) and is associated with oil and gas exploration and production operations on State Land (**Figure 1** in **Appendix A)**.

On June 28, 2016, it was discovered that corrosion of a 2-inch valve on a pump discharge line resulted in approximately 65 barrels (bbls) of produced water to be released and on the well pad surface. Vacuum trucks were immediately dispatched and recovered approximately 60 bbls of free-standing fluids. The day following release discovery, WPX immediately noticed the New Mexico Oil Conservation Division (NMOCD) and the New Mexico State Land Office (NMSLO) via phone and email. WPX reported the release to the NMOCD on a Release Notification and Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on July 12, 2016, and was assigned Incident Number nAB1619656595. The observed release extent, hereafter combined with the Area of Concern (AOC) is presented in **Figure 2** in **Appendix A**.

Due to the release impacting an area beyond the pad boundary on a third-party operator's active lease (LG82910006), a Right of Entry (ROE) Permit to access pasture soil surrounding the Site was required since WPX does not have any active wells on the lease. WPX contracted SWCA Environmental Consultants (SWCA) to conduct a cultural survey of the requested area, as required in the Cultural Properties Protection Rule, and submitted the ROE in preparation for soil characterization and/or remediation activities. The completed *NMSLO Cultural Resources Cover Sheet Exhibit A* form is included in **Appendix B**. The Site is located within a potential Scheer's Beehive Cactus habitat and a potential Wright's Water-Willow habitat, and as such, a biological survey was required. The biological survey was negative for both habitats, and the survey is included in **Appendix C**. Executed permit RE-6694 was issued on September 18, 2023, prior to accessing pasture soil for remediation purposes. In order to prepare for additional drilling activities detailed in this SCRPA, permit RE-6694 was reissued on June 3, 2024.

REPORTING ARCHIVE HISTORY

Prior to the continuation of drilling activities and reissuance of permit RE-6694, Etech prepared a Site Characterization and Remediation Plan (SCRP) report, which was submitted to the NMOCD for review on August 19, 2024. The SCRP detailed delineation activities that were completed through February 6, 2024, and proposed additional delineation activities with a scheduled start date and anticipated duration of completion, assigned application ID number (374824).The NMOCD denied the report on December 19, 2024, for the following reasons:

- *"Remediation plan rejected as it does not meet the requirements of 19.15.29.12C.(1) NMAC. Delineation of the site is incomplete. The estimated volume of impacted material to be remediated is incomplete and there is not a proposed timeline for remediation activities. Submit a complete and accurate report through the OCD permitting website by 1/24/2025."*

Following the rejection of application ID number (374824), additional delineation activities were completed. Etech prepared an SCRPA detailing a remediation summary of continued drilling activities with updated data to complete delineation at the Site. The SCRPA was submitted to the NMOCD and NMSLO

on December 19, 2024, and February 27, 2025, respectively. The SCRPA (application ID number 435346) was approved by the NMOCD and NMSLO with the following conditions on February 28, 2025, by the NMOCD and March 8, 2025 by the NMSLO:

- *The Remediation Plan is Conditionally Approved. This release is in a critical karst area and will need to be remediated to the strictest closure criteria of <50' depth to groundwater from Table 1 of the OCD Spill Rule. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Confirmation samples should be collected every 200 ft2. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. All off-pad areas must meet OCD reclamation/revegetation standards. The variance to excavate the AOC up to 5 feet bgs and install liner is denied. The 400 ft2 confirmation sample size is denied, due to the sensitive nature of the site location. Due to the depth of potential excavation, please make sure extreme safety precautions are taken to ensure personnel safety. The work will need to occur in 90 days after the work plan has been approved.*

WPX requested the extension from the NMOCD of the current deadline of March 29, 2025, which was granted a 90-day extension to August 28, 2025, to confirm, or further determine, whether karst features identified in the initial Karst Study Report via geotechnical drilling required mitigation prior to advancing an excavation.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Etech characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

Depth to groundwater at the Site is estimated to be between 51 feet and 100 feet below ground surface (bgs) based on a recent depth to groundwater measurement of United States Geological Survey (USGS) well 322117104183501, located approximately 0.5-mile northwest of the Site. The well was advanced to a total of 140 feet bgs with a current depth to groundwater from on January 30, 2018, documented at 94.9 feet bgs. An additional well located approximately 0.5-mile northeast of the Site indicates depth to groundwater is greater than 100 ft bgs, however, the measurement was taken over 25 years ago. Referenced well records are provided as **Appendix D**. The well locations and additional regional groundwater well locations are shown in **Figure 1A** in **Appendix A**.

Based on the desktop review, the current BLM Carlsbad Field Office (CFO) karst cave potential map indicates the Site overlies a designated critical karst potential zone. As such, WPX retained BLM approved karst contractor, Dave Decker, PhD, with Southwest Geophysical Consulting, LLC (Southwest Geophysical) to conduct an aerial karst survey at the Site prior to initiating any ground disturbance. In conjunction with Google Earth Pro (2019) satellite aerial imagery and imagery of the Site collected on August 23, 2023, Southwest Geophysical identified one surface karst feature of "high-likelihood" and three surface karst features of "medium-likelihood" within the survey area. Since planned remediation

activities were not anticipated to be near these locations, it was not required for the identified surface karst features to be field verified or that a karst monitor was required to be present during scheduled remediation activities.

On March 6, 2025, Southwest Geophysical conducted a geophysical Electrical Resistivity Imaging (ERI) karst survey to determine the Site stability. The karst survey yielded positive for two anomalies consistent with air-filled void(s), but the Site subsurface was interpreted to have well-layered stratigraphy which prompted further evaluation of subsurface conditions. In order to assess the anomalies referenced in the Karst Study Report, two borings (BH44 and BH45) were advanced to verify the interpretations suggested by Southwest Geophysical.

From July 17, 2025, through July 24, a truck mounted drill rig equipped with air rotary and/or hollow stem auger drilled at the anomaly locations denoted in the ERI karst survey under supervision of an approved karst monitor employed by Southwest Geophysical. Following the advancement of each boring, the karst monitor inspected the borehole via borehole camera to directly observe the subsurface conditions. Drilling activities and camera imagery confirmed that the two anomalies initially interpreted to be either subsurface voids or conduits were instead a high-resistivity gravel lens overlain by low-resistivity clay. No evidence of voids, conduits, or significant karst features were observed; the supplemental drilling confirmed no surface karst features existed within 200 feet of the Site, no shallow anomalies such as large voids or related karst features are located within the survey area, and a well-layered stratigraphy is being interpreted to exist in the subsurface where the geophysical survey was performed, indicating that the surface ground is stable. The complete summary of the Environmental Karst Study is included in **Appendix E**.

The AOC is not located within a designated flood-zone based on available Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRMS) and current zoning designations. However, a small portion of the recent anomaly locations soil sampling results, indicates that the AOC has the potential to partially fall within a flood-zone under certain conditions. The flood-zone in question is shown as a “Zone A” with no Base Flood Elevation (BFE) determination which does not, confirm that the Site lies within a flood-zone, or a defined base flood elevation exists for the area; specifically, the Site is not designated as within “Zone AE” on a Special Flood Hazard Are (SFHA) within clearly defined BFE.

All other potential receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details and sources used for the Site characterization are included in **Figure 1B** and **Figure 1C** in **Appendix A**.

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

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria*
Chloride	Environmental Protection Agency (EPA) 300.0	10,000 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	2,500 mg/kg
TPH-Gasoline Range Organics (GRO) + TPH-Diesel Range Organics (DRO)	EPA 8015 M/D	1,000 mg/kg
Benzene	EPA 8021B or EPA 8260B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B or EPA 8260B	50 mg/kg

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

DELINEATION SOIL SAMPLING ACTIVITIES

On July 6, 2023, Etech conducted delineation soil sampling activities to confirm details of the release provided on the Form C-141 and to characterize the release by verifying the presence or absence of impacted soil compared to the applied Closure Criteria before karst studies were performed. Two delineation borings (BH01 and BH02) were advanced via mechanical equipment, which were driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Soil samples were collected from each delineation soil sampling location for laboratory analyses, representing at minimum the highest observed field screening concentrations and the greatest depth. Upon completion of BH02, Etech concluded that equipment limitations would inhibit achievement of further delineation. A drill rig was scheduled to return to continue delineation activities.

On January 24 through February 6, 2024, Etech returned to the Site equipped with a drill rig to continue delineation soil sampling activities. Twenty-six delineation boreholes (BH01 through BH26) were advanced to continue assessing the lateral and vertical extent of the release. Delineation activities were driven by field screening soil for VOCs and chloride as previously described. Soil samples were collected from each delineation soil sampling location up to 29 feet bgs for laboratory analyses, representing at minimum the highest observed field screening concentrations and the greatest depth. Field screening results and soil descriptions from all delineation activities are included on soil sampling logs shown in **Appendix F**. The locations of the delineation soil samples are shown in **Figure 2** and in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix G**.

On September 9 through September 12, 2024, Etech returned to the Site equipped with a sonic drill rig to continue delineation soil sampling activities as proposed in the SCRP. The extent of residual impacts extends beyond the observed subject release area. As such, an Area of Concern (AOC) was created to encompass all identified residual impacts as per laboratory analytical results in respect to Site Closure Criteria (**Figure 3** in **Appendix A**). Eighteen delineation boreholes (BH02 and BH27 through BH43) were advanced to continue assessing the lateral and vertical extent of the release. Delineation activities were driven by field screening soil for VOCs and chloride as previously described. Soil samples were collected at a 5-foot interval maximum from each delineation soil sampling location up to 29 feet bgs for laboratory analyses, representing at minimum the highest observed field screening concentrations and the greatest depth. Field screening results and soil descriptions from all delineation activities are included on soil sampling logs shown in **Appendix F**. The locations of the delineation soil samples are shown in **Figure 2** and in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix G**.

As previously mentioned, from July 17, 2025, through July 24, 2025, two additional borings (BH44 and BH45) were advanced for the purpose to investigate the presence and/or absence of subsurface karst features. Soil samples were collected at a 5-foot interval from each boring up to 60 feet bgs and field screened for VOCs and chloride as previously described. Field screening results and soil descriptions from all delineation activities are included on soil sampling logs shown in **Appendix F**. The locations of the delineation soil samples are shown in **Figure 2** in **Appendix A**. Photographic documentation of the karst investigation borings is included in **Appendix G**.

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

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated that concentrations of Benzene and BTEX for all delineation soil samples were below the applicable Site Closure Criteria.

Laboratory analytical results indicated TPH concentrations for all delineation soil samples were below the applicable Site Closure Criteria, except soil samples collected from BH07 (0.5 feet bgs and 4 feet bgs) and BH13 (0.5 feet bgs) which are characterized by concentrations ranging from 145 mg/kg to 2,870 mg/kg.

Laboratory analytical results indicated chloride concentrations exceeded the applicable Site Closure Criteria up to 24 feet bgs throughout the AOC. Chloride concentrations for soil samples collected surrounding the AOC were below the Site Closure Criteria.

All terminus soil samples were below the applicable Site Closure Criteria. Laboratory analytical results are summarized in Table 1 in **Attachment H**, and the complete laboratory reports with chain-of-custody documentation is included in **Attachment I.**

PROPOSED REMEDIATION WORK PLAN

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

- Laboratory analytical results indicates that one or more of the COC concentrations exceeds the applicable Site Closure Criteria for all delineation borings located within the AOC above 4 feet bgs. Laboratory analytical results indicate that all COC concentrations are below the applicable Site Closure Criteria for all delineation borings located surrounding the AOC. As such, residual soil impacts have been sufficiently vertically and horizontally defined.
- The Site is in a high karst potential area designated by the BLM, however, an Environmental Karst Study (aerial and geophysical studies) with supplemental drilling, confirmed that no surface karst features existed within 200 feet of the Site, no shallow anomalies such as large voids or related karst features are located within the survey area. Therefore, a well-layered stratigraphy is being interpreted to exist in the subsurface where the geophysical survey was performed, indicating that the surface ground is stable.

A small portion of the recent anomaly borehole investigation data indicates that the AOC has the potential to partially fall within a flood-zone under certain conditions, with the flood-zone in question shown as Zone A with a BFE determination. However, no BFE designation Zone denotes uncertain flood data, while a Zone AE denotes a higher-risk, well defined SFHA. Based on the conclusions drawn above, WPX proposes the following remedial corrective actions:

- WPX proposes to excavate the AOC to depths consistent with delineation laboratory data where possible in an effort to remove as much residually impacted soil above the Site Closure Criteria and/or reclamation standard based on conditions that have been re-evaluated via Site investigation (likelihood of karst that results in an Unstable Area). “Unstable area” as defined by 19.15.2 NMAC through 19.15.39 NMAC and more recently via the NMOCD *Karst Public Notice* is a “location that is susceptible to natural or human-induced events or forces capable of impairing the integrity of some or all a division-approved facility’s structural components. Examples of unstable areas are areas of poor foundation conditions, areas susceptible to mass earth movements and karst terrain areas where karst topography is developed because of dissolution of limestone, dolomite or other soluble rock. Characteristic physiographic features of karst terrain include sinkholes, sinking streams, caves, large springs and blind valleys.” The Site is stable based on recent drilling activities and no karst subsurface features such as voids were encountered. As requested by the NMOCD when pursuing a deviation from the most stringent closure criteria in a critical/high/medium karst potential occurrence zones, “If a site is in one of

these mapped occurrence zones it will be the responsibility of the operator/responsible party to provide verification that the site is not "unstable" […] and will required additional surveys. […] As part of the NMOCD approval process the operator will need to provide to the OCD a demonstration a review of the area and also received approval from any applicable Federal or State land management agency, such as BLM or SLO. If the appliable surface management agency does not approve of the operator's request, it will be denied by the OCD and will need to meet the most stringent closure criteria." Therefore, Devon retained BLM approved karst expert, Dave Decker with Southwest Geophysical to perform a Small Unmanned Aerial Systems (sUAS) surface karst survey, ERI survey and additional borehole investigation. The reports will be forwarded to the NMSLO for review.

- Due to the size of the anticipated excavation area approximately (52,806 square feet), WPX requests a variance for excavation confirmation soil samples to represent a maximum of 400 square feet per soil sample. As such, 133 samples are anticipated to be collected from the excavation floors compared to 265 floors following the standard 200 square foot soil sampling frequency. The 5-point excavation confirmation soil samples will be comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. The samples will be placed into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples will be transported under strict chain-of-custody procedures to an accredited laboratory and analyzed for BTEX, TPH, and chloride.
- The proposed excavation may require third-party operator oversight and additional safety measures near their respective subsurface pipelines before or during excavation activities. WPX and/or the third-party operator may implement additional safety precautions above encroachment guidelines at their company's discretion for the health and safety of on-site personnel and for the structural integrity of utilities. Such restrictions include but are not limited to:
    i. Shifting the proposed excavation extent(s) to adhere to established buffer zone(s) around one or more utilities.
    ii. Inducing a change in proposed excavation(s) depth(s) around one or more utilities.
    iii. If applicable, all communication with third-party operator excavation requirements will be documented and presented to the NMOCD and NMSLO.
- Upon receipt and review of excavation confirmation soil sample laboratory analytical results, WPX will determine the appropriate measure of corrective actions that will include:
    i. Preparing land access permits, submit ROE to NMSLO for review, and scheduling any required biological surveys prior to advancing an excavation upon the ROE approval; and
    ii. Documenting the removal of impacted soil and restoration at the Site with a subsequent Closure and Reclamation Report detailing assessment, sampling activities, and Site restoration activities including, but not limited to backfilling the excavation with clean, locally sourced soil and restored to "as close to its original state as possible."

PROPOSED TIMELINE

Plugging and abandonment (P&A) activities of the Salt Water Disposal (SWD) at the Site were completed on December 4, 2024. Upon final notification of equipment removal and approval of this SCRPA, Etech will renew the executed ROE permit RE-6694 and initiate coordination efforts for remediation activities outlined in this SCRPA. Please note that a reissuance of an ROE may take up to 4 weeks for processing and approval, and as such, no surface disturbance will be permitted until land access has been granted.

LIMITATIONS

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

Based on the proposed scope of work, WPX believes the proposed remedial actions detailed in this SCRPA will meet the requirements set forth in NMAC 19.15.29.13 regulations to be a balanced protection of human health, the environment, and groundwater. If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (432) 305-6413 or joseph@etechenv.com or Anna Byers at (432) 305-6415 or anna@etechenv.com. Email correspondence and notification receipts regarding Site activities are included in **Appendix J**. Previous remediation activities for the subject release can be referenced via NMOCD assigned application ID numbers {374824, and 435346)

Sincerely,

eTECH Environmental and Safety Solutions, Inc.

Anna Byers
Senior Geologist

Joseph S. Hernandez
Senior Managing Geologist

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

Appendices:

Appendix A	Figure 1: Site Location Map
	Figure 1A: Site Characterization Map – Groundwater
	Figure 1B: Site Characterization Map – Surficial Receptors
	Figure 1C: Site Characterization Map – Karst Potential
	Figure 2: Delineation Soil Sample Locations
	Figure 3: Proposed Excavation Plan
Appendix B	NMSLO Cultural Resources Cover Sheet Exhibit A
Appendix C	Biological Survey Report

Appendix D Referenced Well Records
Appendix E Environmental Karst Survey Report
Appendix F Soil Sampling Logs
Appendix G Photographic Log
Appendix H Tables
Appendix I Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix J Correspondence & Notifications
Appendix K Archived Environmental Karst Survey Reports

APPENDIX A

Figures

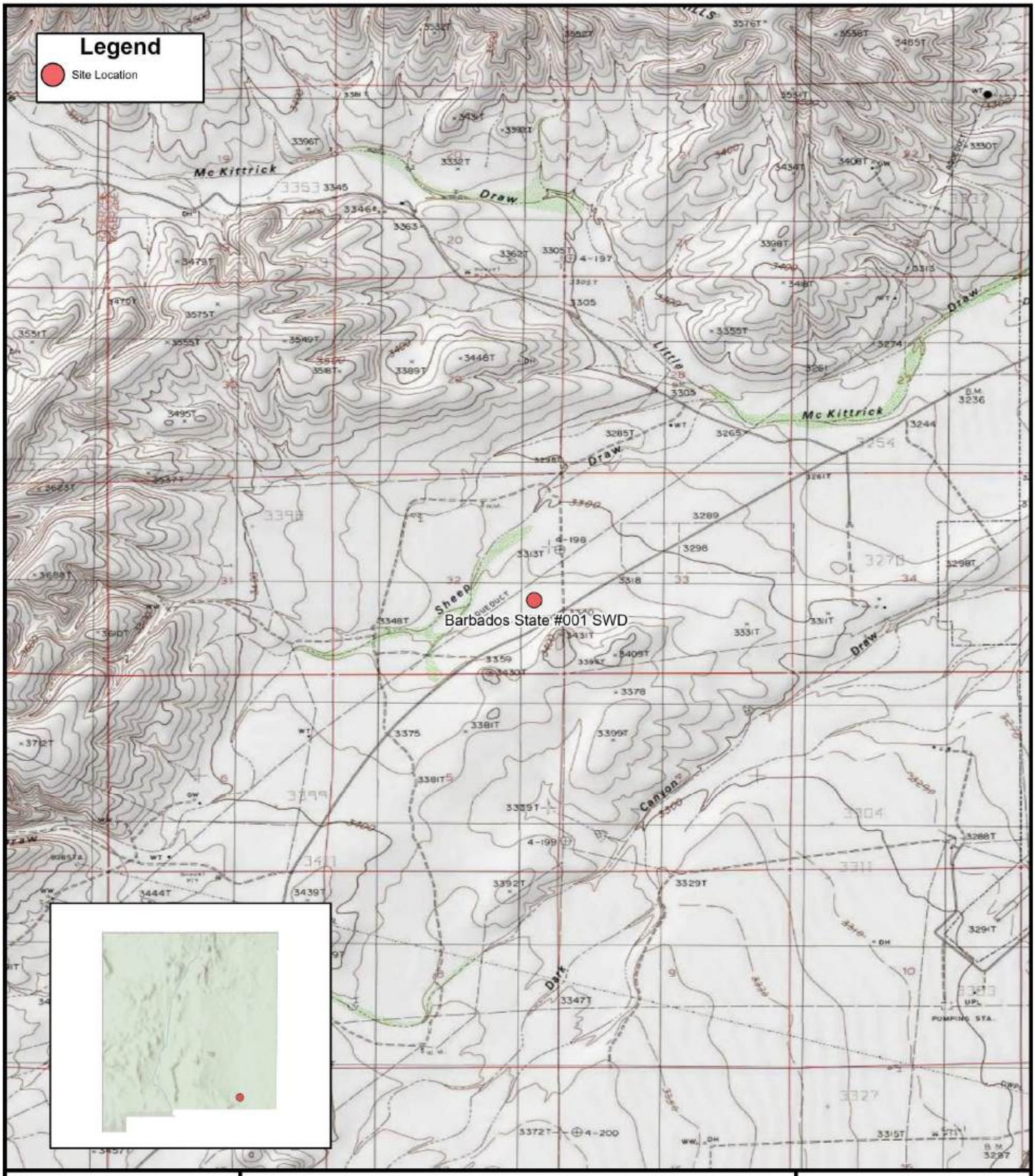


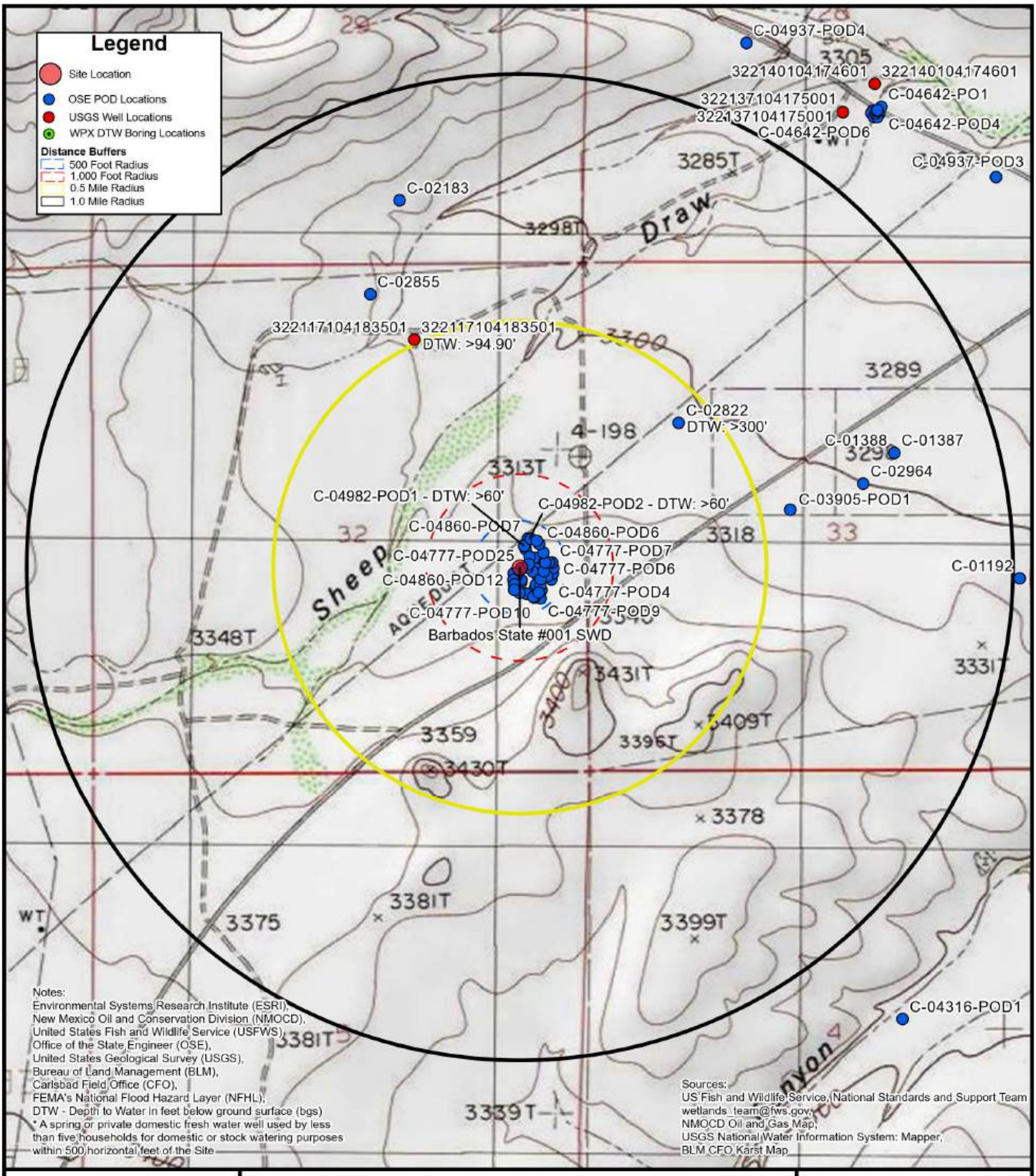
FIGURE 1

Site Location Map

WPX ENERGY PERMIAN, LLC
Barbados State #001 SWD
Unit I Sec 32 T23S R26E
Eddy County, New Mexico

N

0 2,000 4,000 Feet



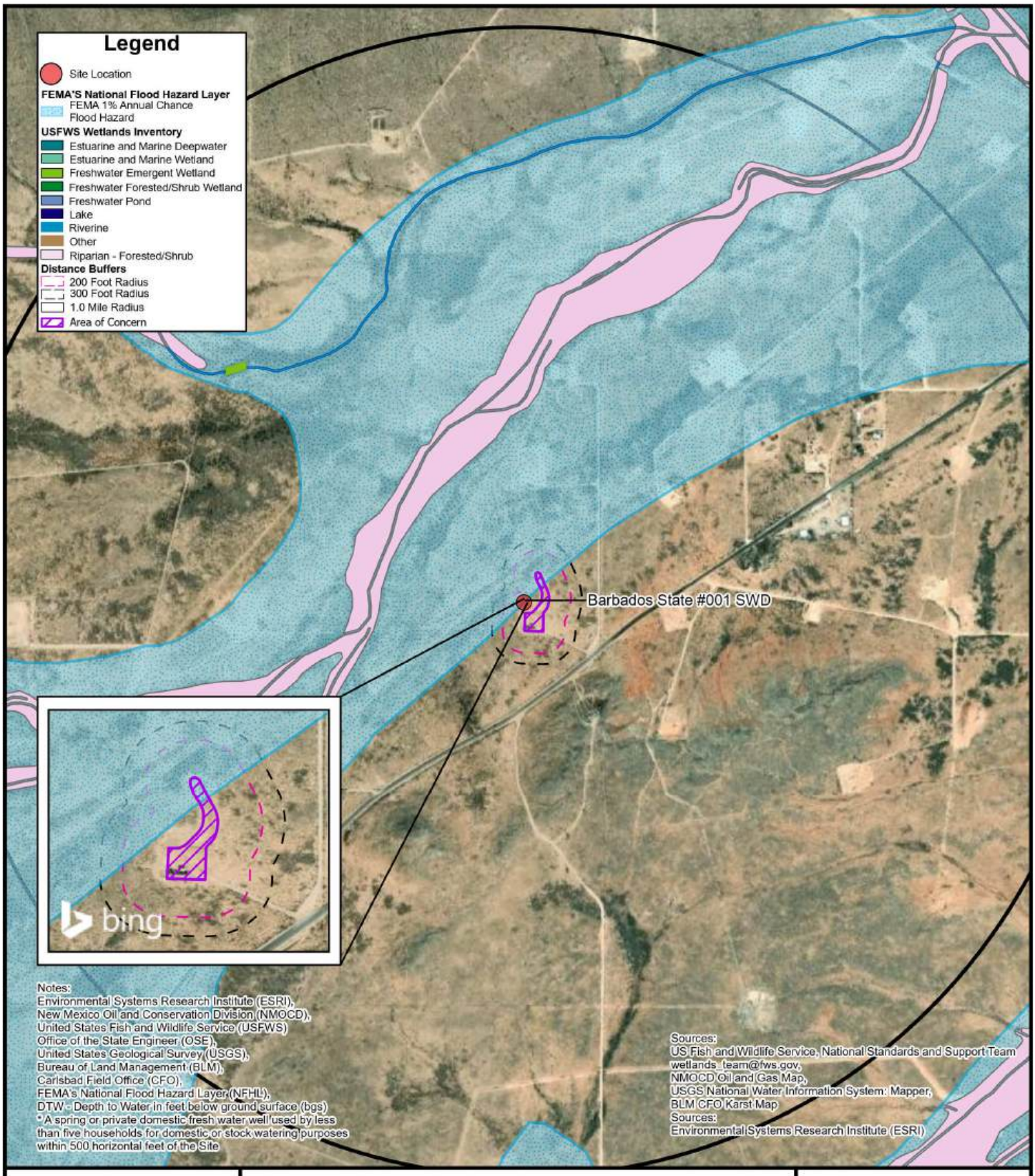
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FIGURE 1A

Site Characterization Map

Groundwater

WPX ENERGY PERMIAN, LLC
Barbados State #001 SWD
Unit I Sec 32 T23S R26E
Eddy County, New Mexico



eTECH

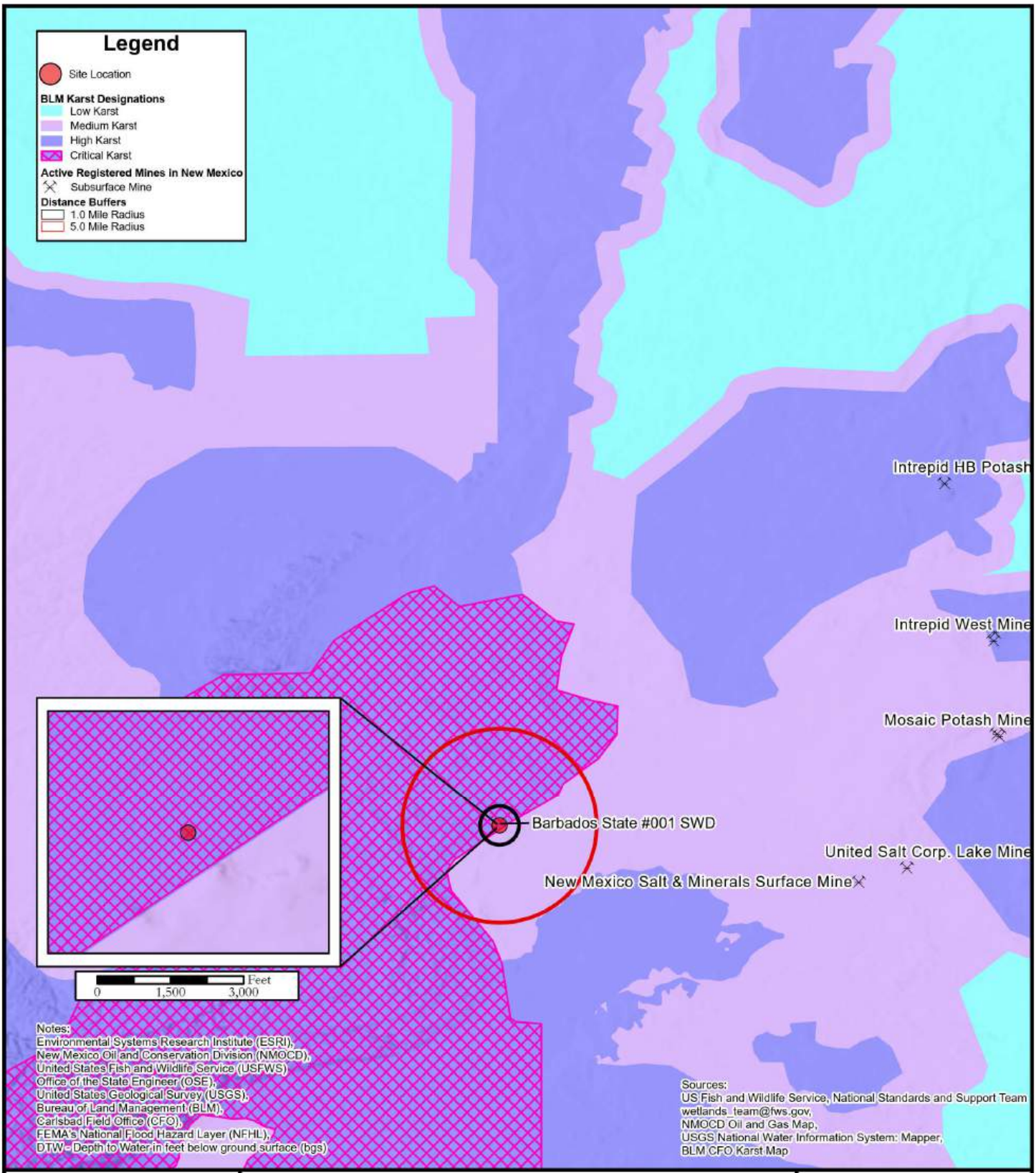
FIGURE 1B

Site Characterization Map
Surficial Receptors

WPX ENERGY PERMIAN, LLC
Barbados State #001 SWD
Unit I Sec 32 T23S R26E
Eddy County, New Mexico

N

0 800 1,600 Feet



eTECH

FIGURE 1C

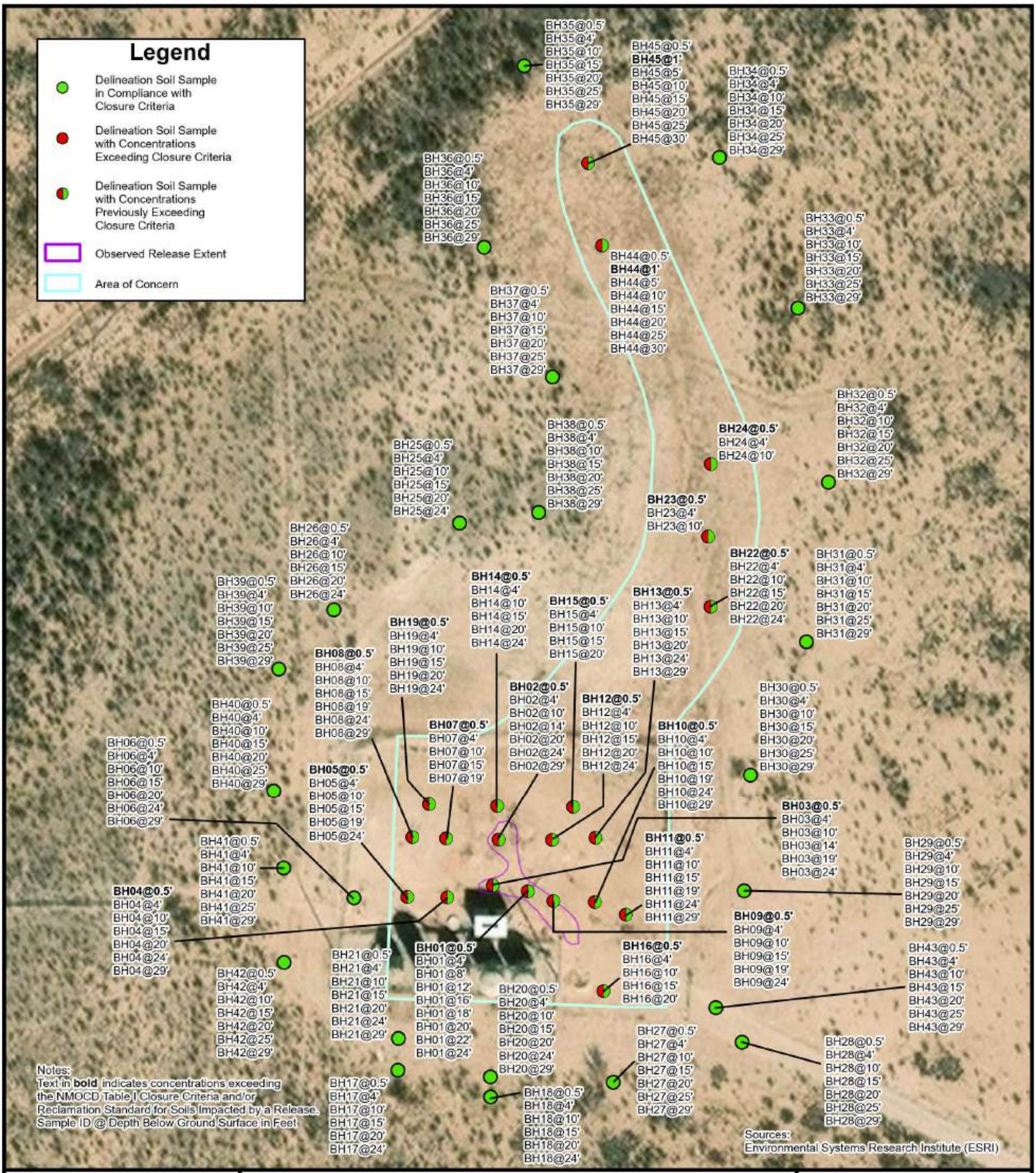
Site Characterization Map

Subsurface Receptors

WPX ENERGY PERMIAN, LLC
Barbados State #001 SWD
Unit I Sec 32 T23S R26E
Eddy County, New Mexico

N

Feet
0
20,000
40,000



eTECH

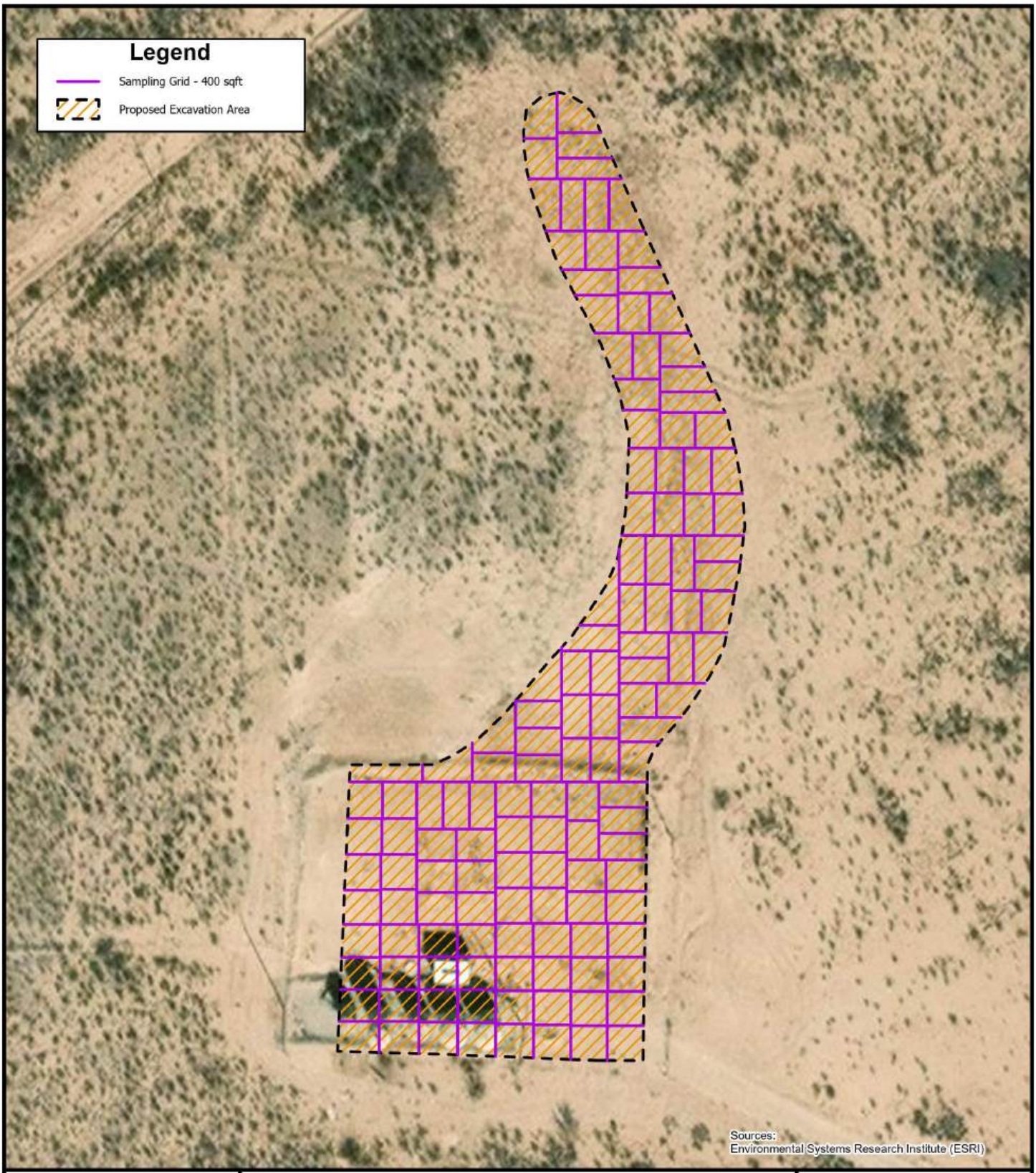
FIGURE 2

Delineation Soil Sample Locations

WPX ENERGY PERMIAN, LLC
Barbados State #001 SWD
Unit I Sec 32 T23S R26E
Eddy County, New Mexico

N

0 55 110 Feet



eTECH

FIGURE 3

Proposed Excavation Plan

WPX ENERGY PERMIAN, LLC
Barbados State #001 SWD
Unit I Sec 32 T23S R26E
Eddy County, New Mexico

N

0 50 100 Feet

APPENDIX B

NMSLO Cultural Resources Cover Sheet Exhibit A

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

Stephanie Garcia Richard, Commissioner of Public Lands
State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number:

Exhibit Type (select one)

ARMS Inspection/Review - Summarize the results (select one):

(A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
(B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
(C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

Archaeological Survey

Findings:

Negative - No further archaeological review is required.

Positive - Have avoidance and protection measures been devised? Select one:

Comments:

Project Details:

NMSLO Lease Number (if available):

Project Proponent (Applicant):

Project Title/Description:

Cultural Resources Consultant:

Project Location:

County(ies):

Section/Township/Range:

For NMSLO Agency Use Only:

NMSLO Lease Number:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

No change in wording should occur in this legal document under any circumstances. The completion of this Cover Sheet does not allow for any ground disturbance before official approval of the proposed lease activity, nor does it guarantee that no further steps will be required for the approval of your application or project.

Form Revised 6.2.22

APPENDIX C

Biological Survey Report

209 W McKay St
Carlsbad, New Mexico 88220
Tel. 432.701.2159
www.ntgenvironmental.com

February 21, 2025

Anna Byers
Senior Geologist
13000 W County Rd 100
Odessa, Texas 79765

Re: Biological Assessment Report
Barbados State #001 SWD
Devon Energy Production Company
Site Location: Unit I, S32, T22S, R26E
32.3465262, -104.3087692
Eddy County, New Mexico
Species: Scheer's Beehive Cactus, Wright's Waterwillow

Ms. Byers,

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document survey activities for Scheer's Beehive Cactus (*Coryphantha robustispina* var. *scheeri)* and Wright's Waterwillow (*Justicia wrightii)* at the Barbados State #001 SWD (Site) for submittal to New Mexico State Land Office (NMSLO). The Site is located in Unit Letter I, Section 32, of Township 22 South and Range 26 East in Eddy County, New Mexico. The site location with respect to the nearest town is shown on Figure 1 and the topography of the area is shown on Figure 2.

On February 11, 2025, NTGE performed a site visit to a reference population of Wright's Waterwillow to confirm that it was conspicuous and detectable, due to the survey needing to take place three (3) weeks prior to the survey season outlined by the Bureau of Land Management (BLM). NTGE personnel confirmed with the NMSLO biologist before conducting survey activities.

Survey

Field survey efforts (presence/absence survey) for Scheer's Beehive Cactus and Wright's Waterwillow took place on February 13, 2025, by CFO Special Status Plant Species (SSPS) certified NTGE botanist Jillian Smiley and NTGE scientist Clayton Tumas. The SSPS survey was triggered by pending remedial action activities at the Site. The proposed area of disturbance is 5,770 square meters. A 200 meter required buffer area for major industrial/commercial developed sites (mineral pits, ponds, flare, CTB, and wellpads) was placed around the proposed area of disturbance. The total area surveyed consisted of 198,539 square meters. Approximately 24,364 square meters within the boundary were excluded due to fences, roadways, and a well pad. Transects were spaced 20 meters apart as per protocol for SSPS potential/suitable habitat. The BLM provided data schema was used to confirm that there were no known occurrences within the survey area. SSPS Potential habitat can be seen on Figure 3, Survey extent and planned transect lines can be seen on Figure 4. Actualized survey tracks can be seen on Figure 5. Habitat images are attached at the end of the report.

Survey Results

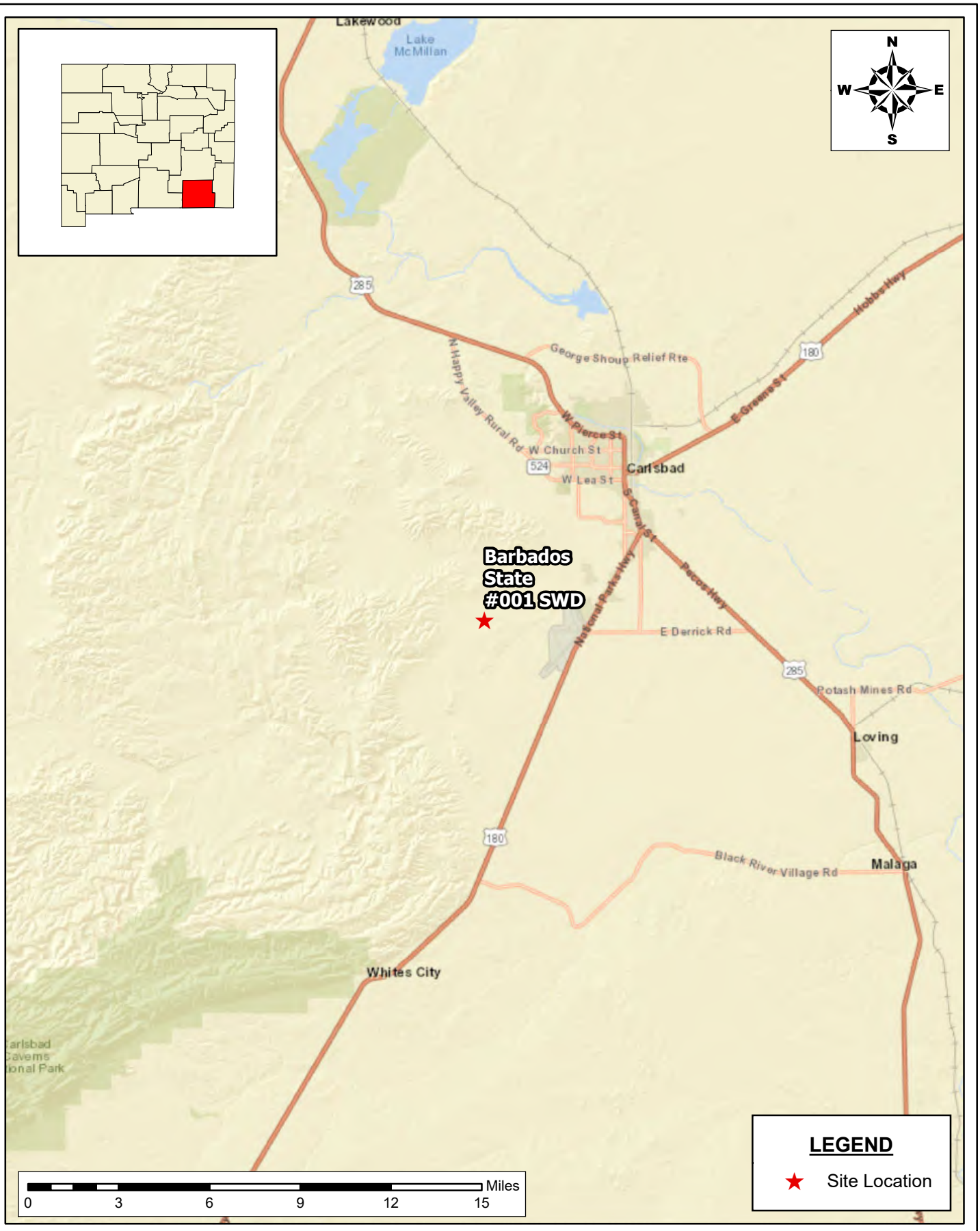
The survey resulted in a negative presence (absence) of Scheer's Beehive Cactus and Wright's Waterwillow. No similar species (i.e., *Coryphantha robustispina ssp, Justicia ssp.*.) were located within the survey area as well. Disturbance factors such as industrial development, roadways, electrical lines, and cattle grazing were evident throughout the survey space. There is 1 ecological site found within the area identified as Reagan-Upton association, 0 to 9 percent slopes. According to a database provided by USDA NRCS and NMSU, and Site can be classified as a state 3 shrub community according to a state and transition model. Much of the Site was dominated by *Prosopis glandulosa* (Honey Mesquite) and *Larrea tridentata* (Creosote). Ecological site information can be seen on Figure 6.

If you have any questions regarding this report or need additional information, please contact us at 432-701-2159.

Sincerely,
NTG Environmental

Jillian Smiley
Jr. Project Manager - Botanist
Attachments:
Figures
Photolog

FIGURES



SITE LOCATION MAP
BIOLOGICAL ASSESSMENT REPORT
BARBADOS STATE #001 SWD
DEVON ENERGY PRODUCTION CORPORATION
EDDY COUNTY, NEW MEXICO

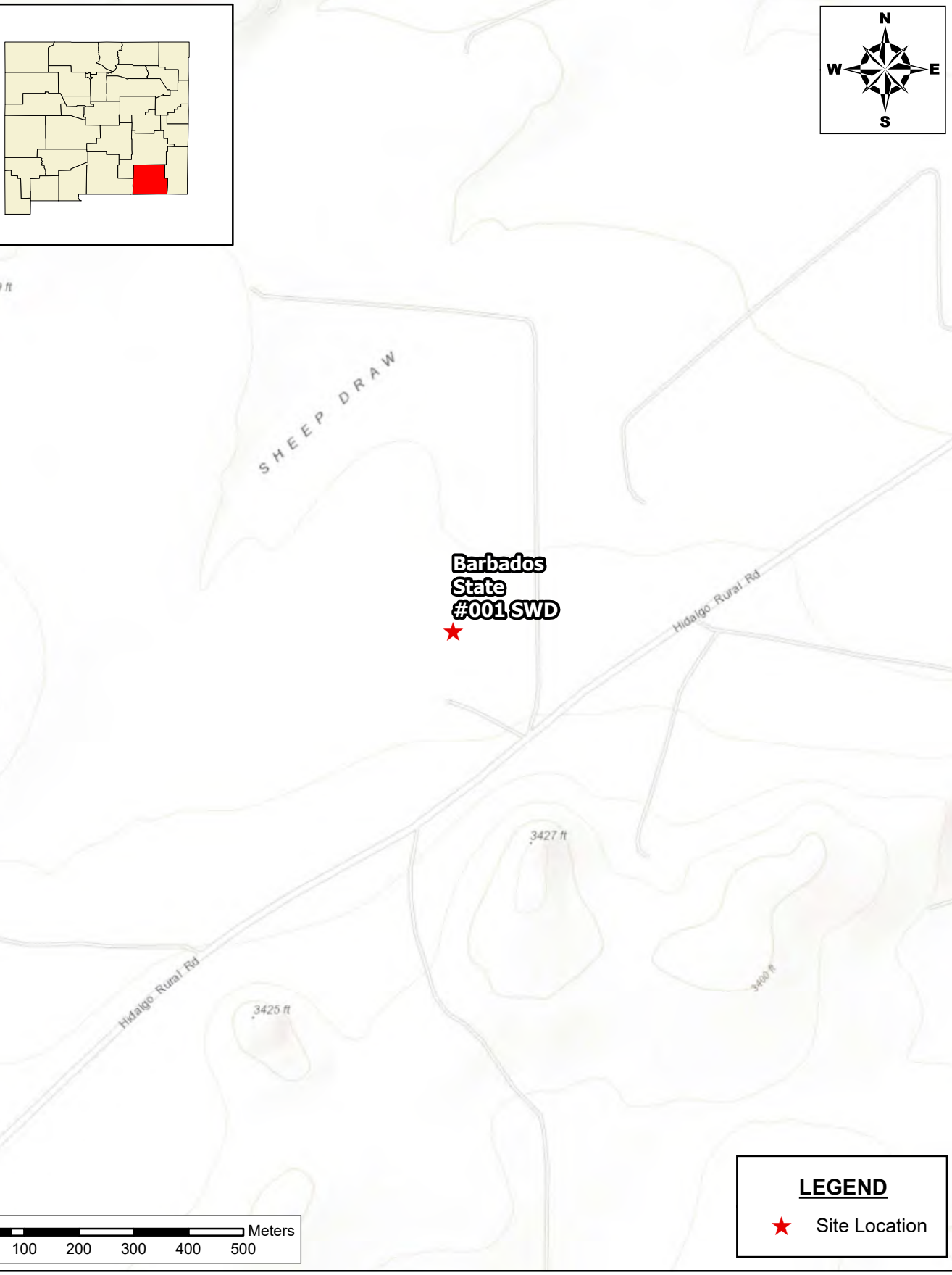
SCALE: As Shown | Date: 2/21/2025 | PROJECT #: 259812

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntgenvironmental.com

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1

Document Path: C:\Users\ntgegis\New Tech Global\NTGE - Documents\NTGE - Projects\2024 PROJECTS\DEVON\RSC\237676 - Sirius 17 Fed 3 Battery\7- Figures\GIS\Figure_1_SL.mxd



TOPOGRAPHIC MAP
BIOLOGICAL ASSESSMENT REPORT
BARBADOS STATE #001 SWD
DEVON ENERGY PRODUCTION CORPORATION
EDDY COUNTY, NEW MEXICO

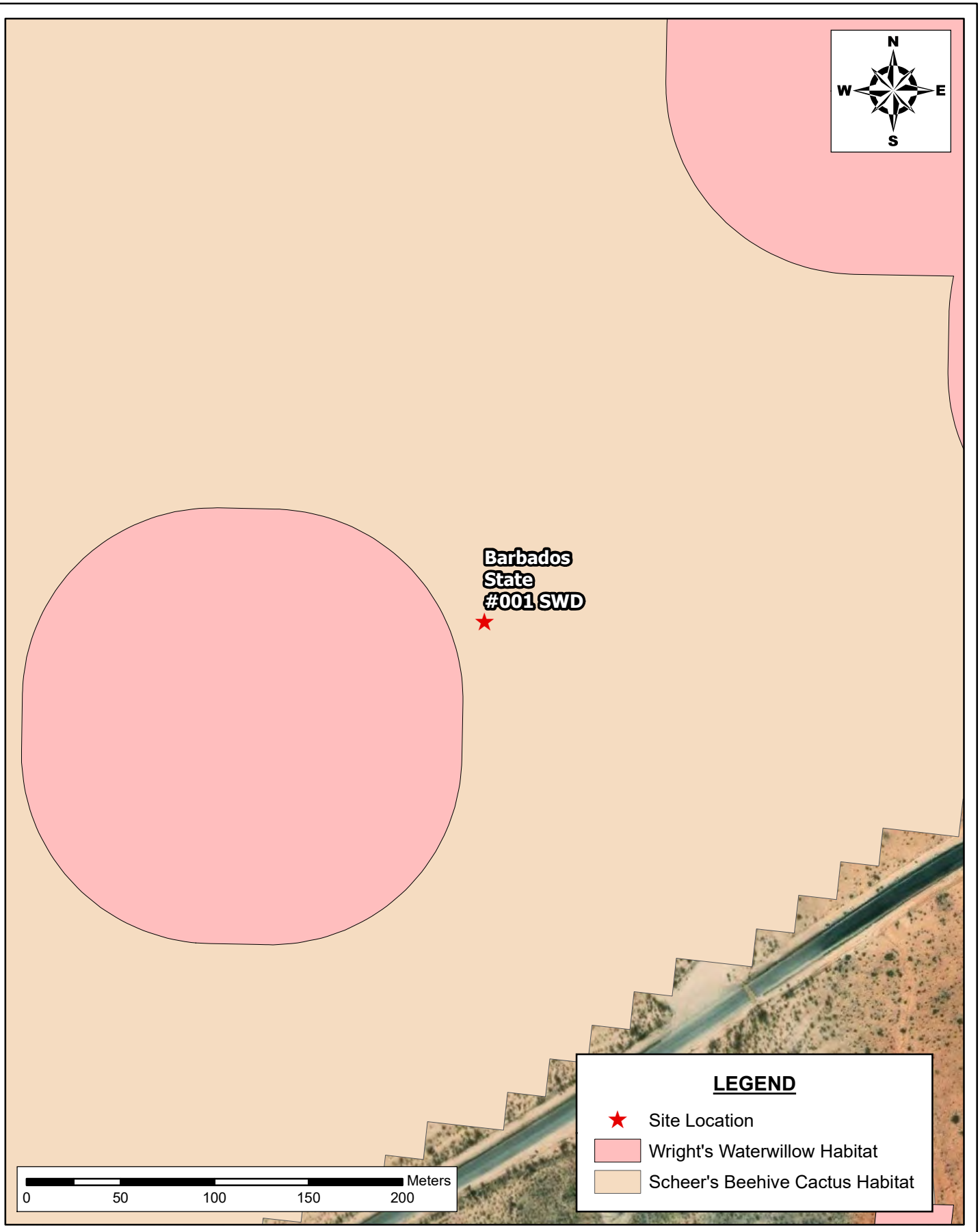
SCALE: As Shown | Date: 2/21/2025 | PROJECT #: 259812

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntgenvironmental.com

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1

Document Path: C:\Users\ntgegis\New Tech Global\NTGE - Documents\NTGE - Projects\2024 PROJECTS\DEVONNRSC\237676 - Sirius 17 Fed 3 Battery\7- Figures\GIS\Figure_1_SL.mxd



SSPS POTENTIAL HABITAT MAP
BIOLOGICAL ASSESSMENT REPORT
BARBADOS STATE #001 SWD
DEVON ENERGY PRODUCTION COMPANY
EDDY COUNTY, NEW MEXICO

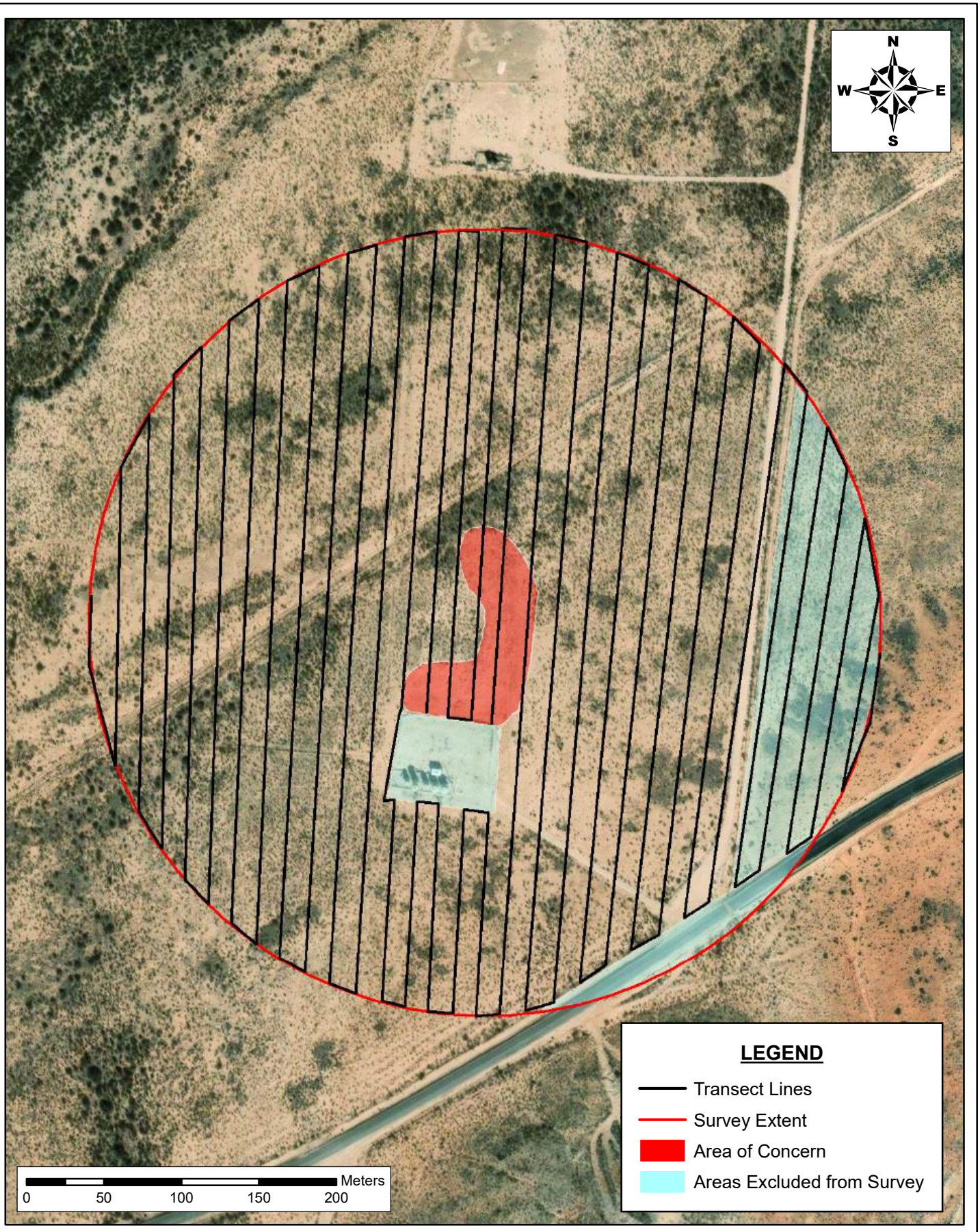
SCALE: AS SHOWN | DATE: 02/21/2025 | PROJECT #: 259812

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911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntgenvironmental.com

NOTES:
1. Base Image: ESRI Maps & Data 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1

Document Path: C:\Users\ntgegis\Desktop\Entire Data Schema.mxd



SURVEY MAP
BIOLOGICAL ASSESSMENT REPORT
BARBADOS STATE #001 SWD
DEVON ENERGY PRODUCTION COMPANY
EDDY COUNTY, NEW MEXICO

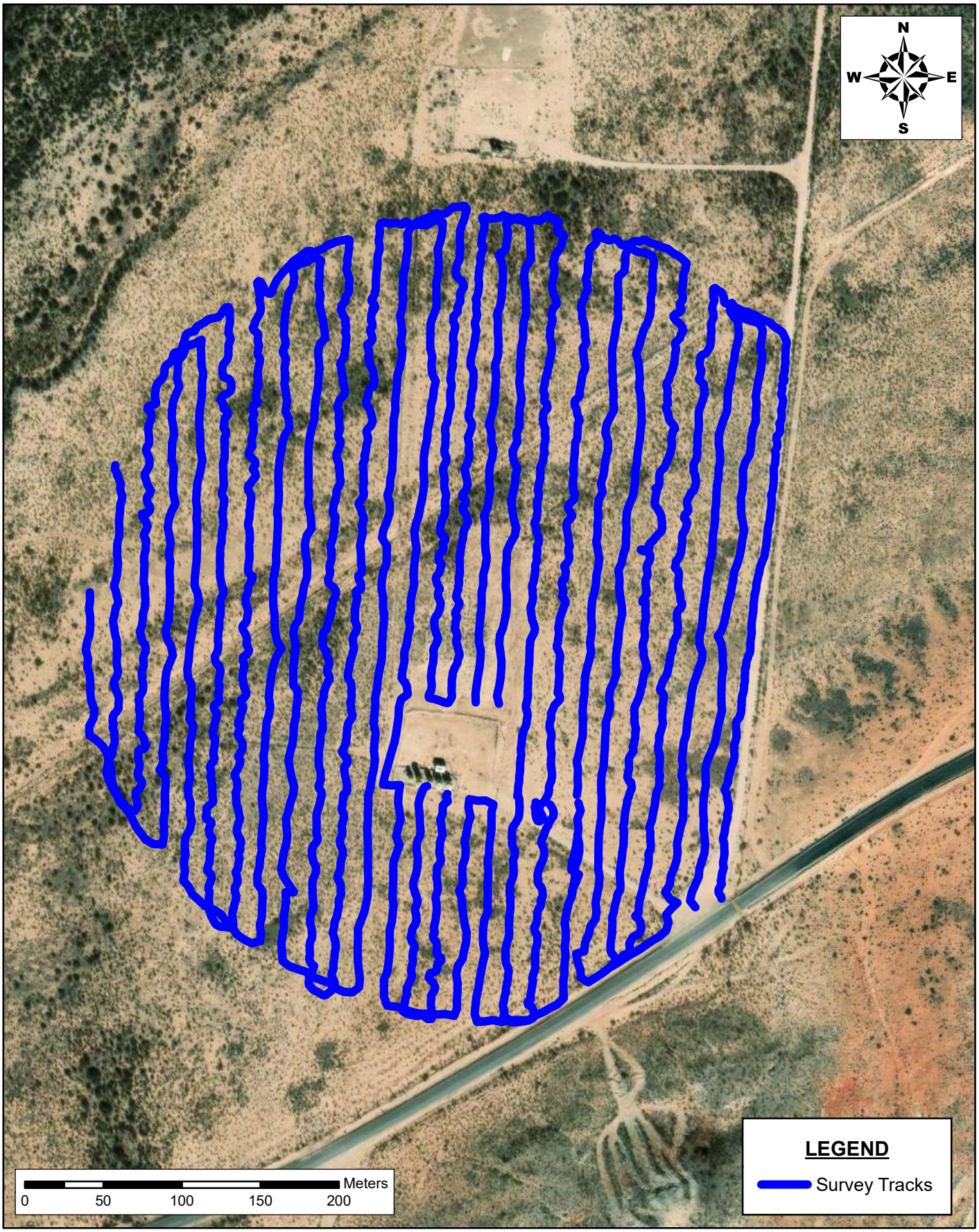
SCALE: AS SHOWN | DATE: 02/21/2025 | PROJECT #: 259812

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntgenvironmental.com

NOTES:
1. Base Image: ESRI Maps & Data 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 4
SHEET NUMBER:
1 of 1

Document Path: C:\Users\ntgegis\Desktop\Entire Data Schema.mxd



ACTUALIZED SURVEY TRACKS MAP
BIOLOGICAL ASSESSMENT REPORT
BARBADOS STATE #001 SWD
DEVON ENERGY PRODUCTION COMPANY
EDDY COUNTY, NEW MEXICO

SCALE: AS SHOWN | DATE: 02/21/2025 | PROJECT #: 259812

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntgenvironmental.com

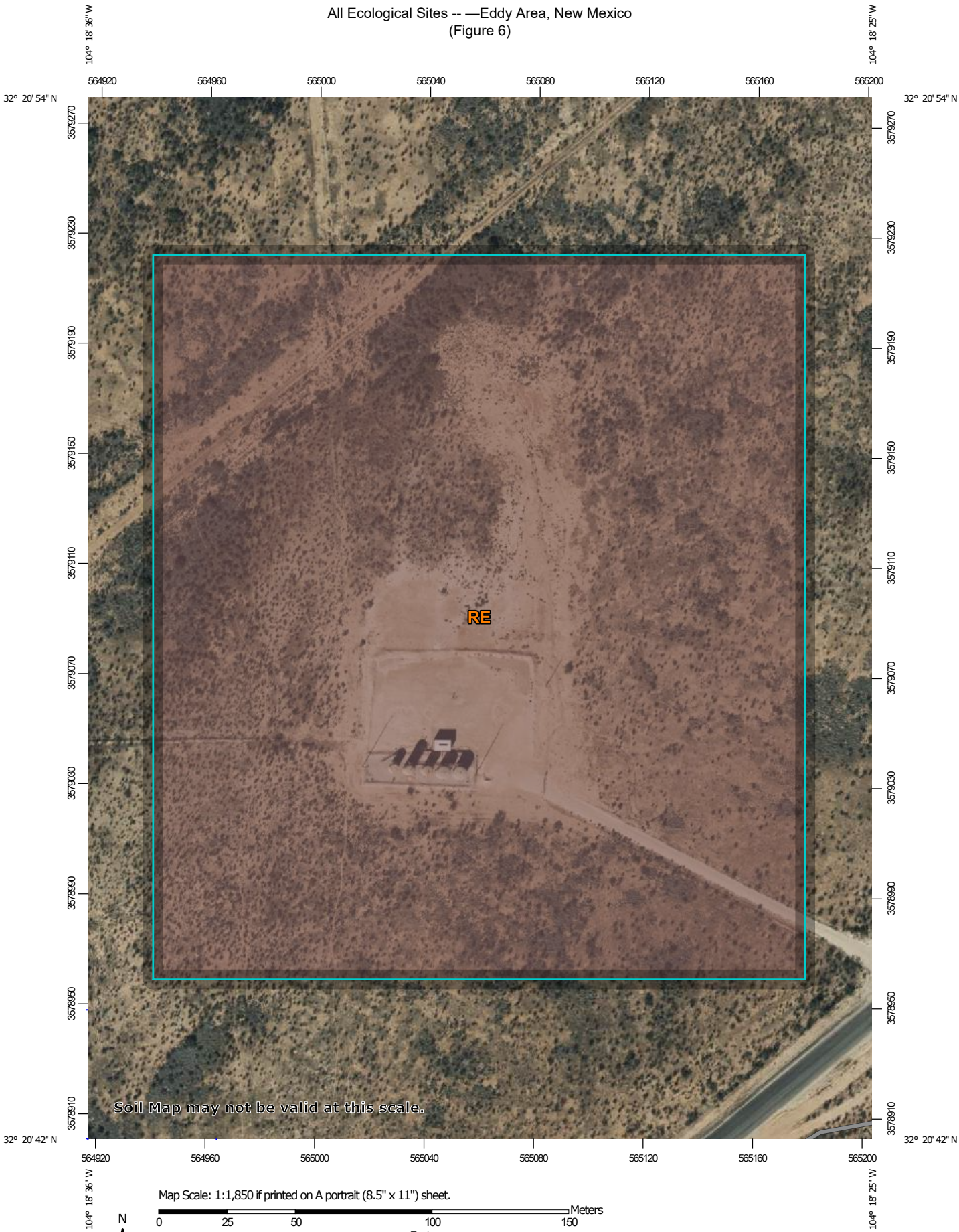
NOTES:

1. Base Image: ESRI Maps & Data 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 5
SHEET NUMBER:
1 of 1

Document Path: C:\Users\ntgegis\Desktop\Entire Data Schema.mxd

All Ecological Sites -- —Eddy Area, New Mexico
(Figure 6)



Received by OCD: 11/26/2025 9:51:28 AM

All Ecological Sites -- —Eddy Area, New Mexico
(Figure 6)

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- R042CY153NM
- Not rated or not available

Soil Rating Lines
- R042CY153NM
- Not rated or not available

Soil Rating Points
- R042CY153NM
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 20, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Released to Imaging: 12/22/2025 3:19:24 PM

Received by OCD: 11/26/2025 9:51:28 AM

All Ecological Sites —

Map unit symbol	Map unit name	Component name (percent)	Ecological site	Acres in AOI	Percent of AOI
RE	Reagan-Upton association, 0 to 9 percent slopes	Reagan (70%)	R042CY153NM — Loamy	15.6	100.0%
		Upton (25%)	R042CY159NM — Shallow Loamy		
		Atoka (3%)	R070BC007NM — Loamy		
		Pima (2%)	R070BC017NM — Bottomland		
Totals for Area of Interest				**15.6**	**100.0%**

Released to Imaging: 12/22/2025 3:19:24 PM

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

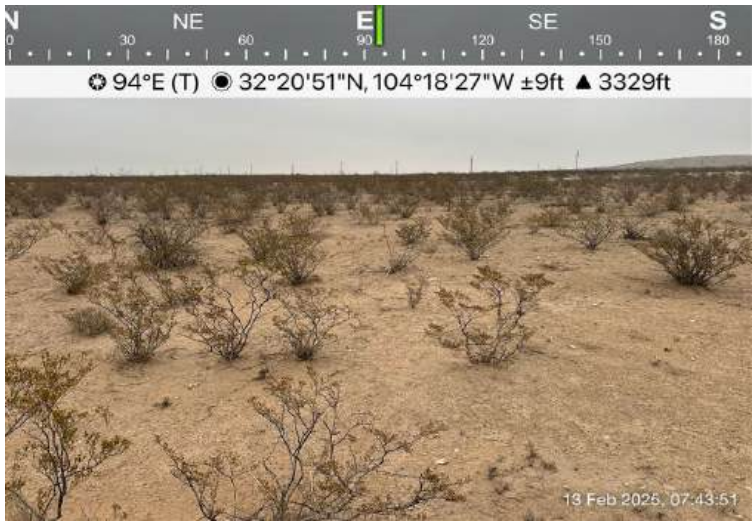
Devon Energy Production Company
Barbados State #001 SWD

Photograph No. 1

Facility: Barbados State #001 SWD

County: Eddy County, New Mexico

Description:
Area of Survey



Photograph No. 2

Facility: Barbados State #001 SWD

County: Eddy County, New Mexico

Description:
Area of Survey



Photograph No. 3

Facility: Barbados State #001 SWD

County: Eddy County, New Mexico

Description:
Area of Survey



PHOTOGRAPHIC LOG

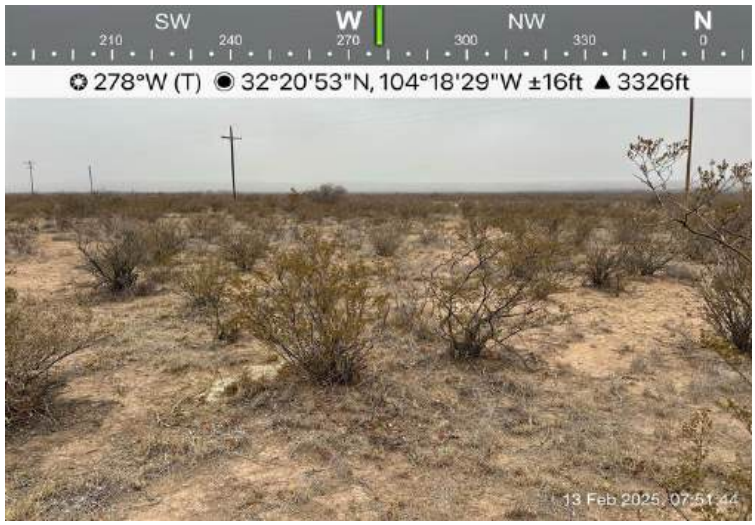
Devon Energy Production Company
Barbados State #001 SWD

Photograph No. 4

Facility: Barbados State #001 SWD

County: Eddy County, New Mexico

Description:
Area of Survey

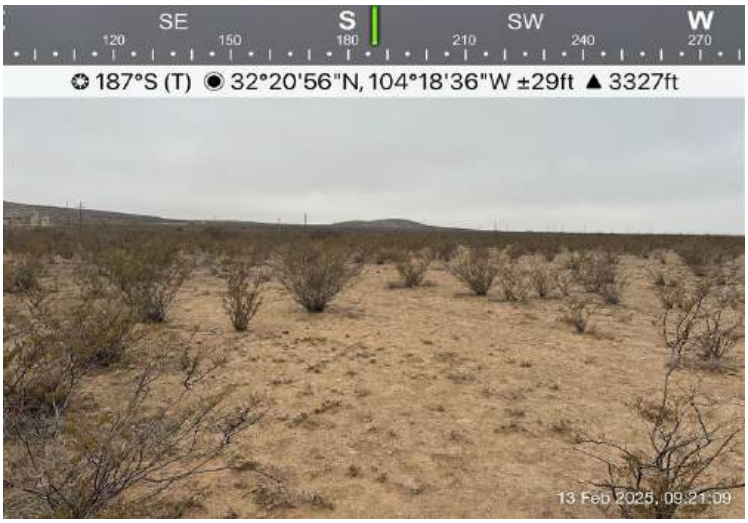


Photograph No. 5

Facility: Barbados State #001 SWD

County: Eddy County, New Mexico

Description:
Area of Survey

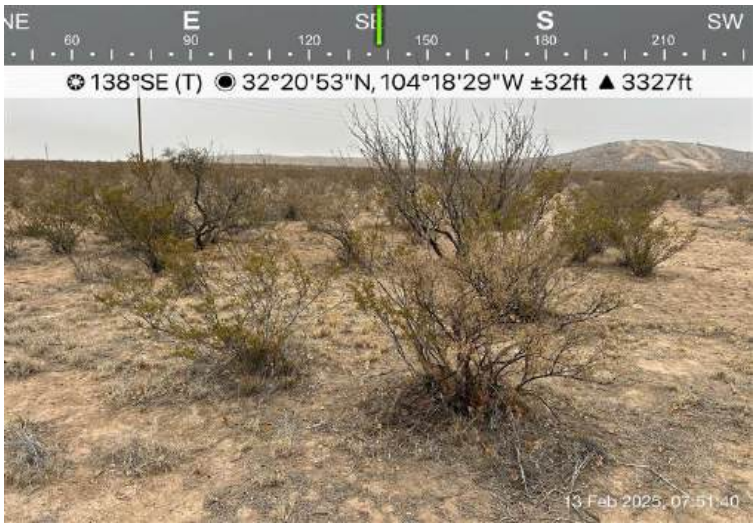


Photograph No. 6

Facility: Barbados State #001 SWD

County: Eddy County, New Mexico

Description:
Area of Survey



PHOTOGRAPHIC LOG

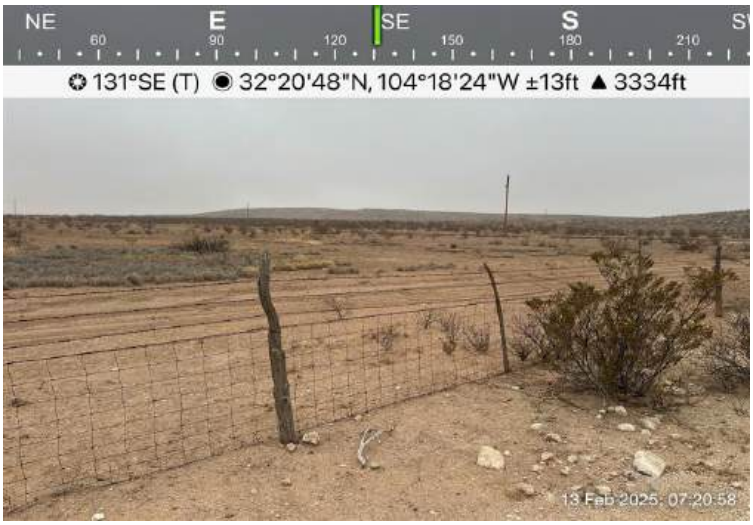
Devon Energy Production Company
Barbados State #001 SWD

Photograph No. 7

Facility: Barbados State #001 SWD

County: Eddy County, New Mexico

Description:
Area of Survey

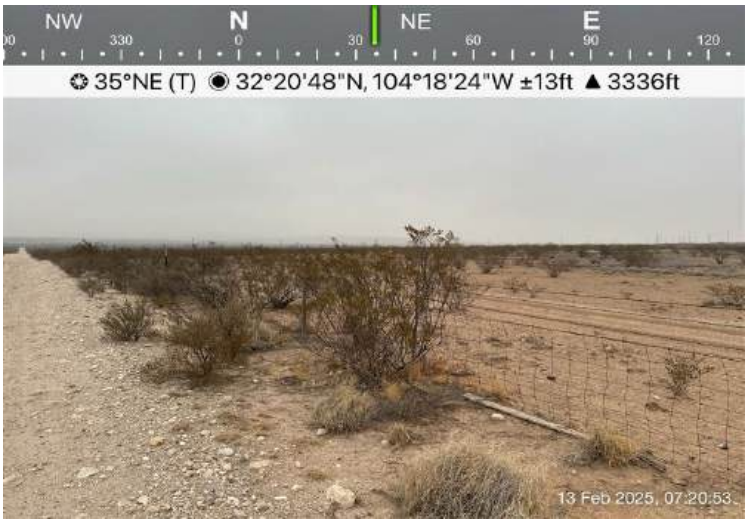


Photograph No. 8

Facility: Barbados State #001 SWD

County: Eddy County, New Mexico

Description:
Area of Survey



Photograph No. 9

Facility: Barbados State #001 SWD

County: Eddy County, New Mexico

Description:
Area of Survey



PHOTOGRAPHIC LOG

Devon Energy Production Company
Barbados State #001 SWD

Photograph No. 10

Facility: Barbados State #001 SWD

County: Eddy County, New Mexico

Description:
Area of Survey

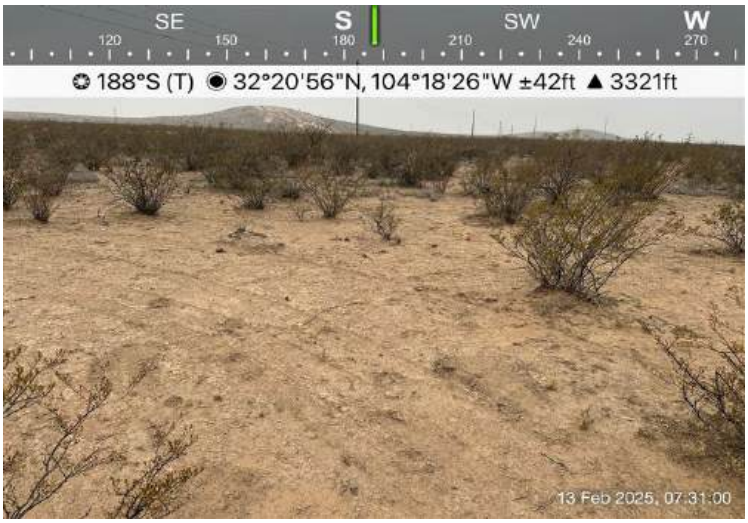


Photograph No. 11

Facility: Barbados State #001 SWD

County: Eddy County, New Mexico

Description:
Area of Survey

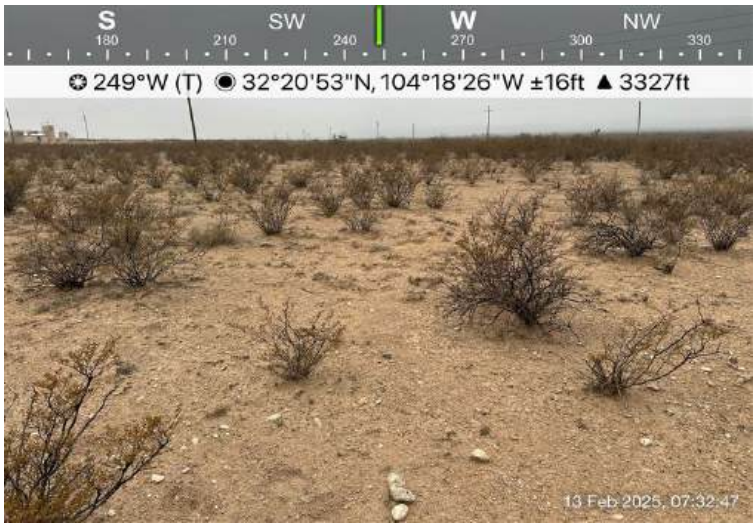


Photograph No. 12

Facility: Barbados State #001 SWD

County: Eddy County, New Mexico

Description:
Area of Survey



PHOTOGRAPHIC LOG

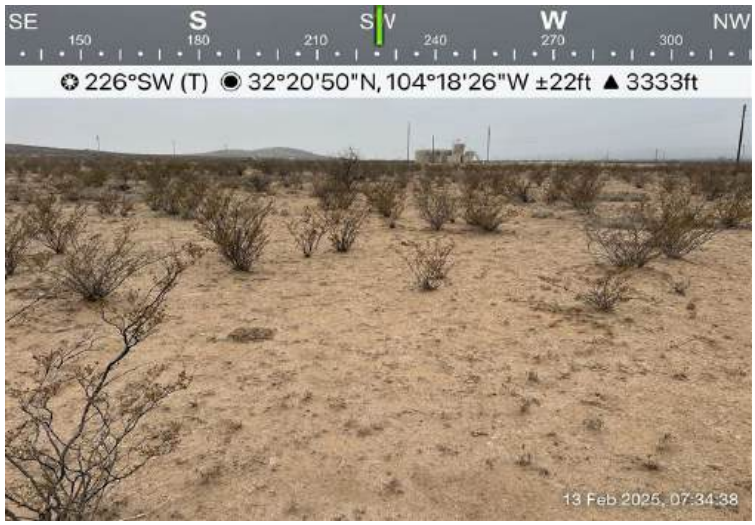
Devon Energy Production Company
Barbados State #001 SWD

Photograph No. 13

Facility: Barbados State #001 SWD

County: Eddy County, New Mexico

Description:
Area of Survey

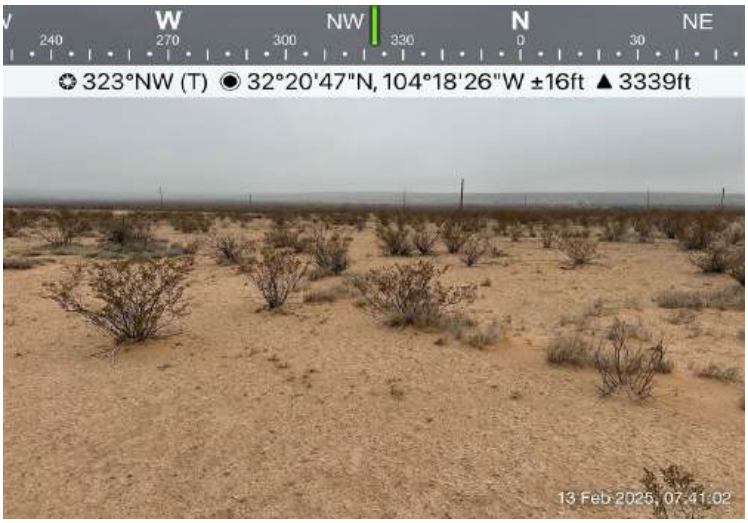


Photograph No. 14

Facility: Barbados State #001 SWD

County: Eddy County, New Mexico

Description:
Area of Survey



Photograph No. 15

Facility: Barbados State #001 SWD

County: Eddy County, New Mexico

Description:
Area of Survey



APPENDIX D

Referenced Well Records

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

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- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322117104183501

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 322117104183501 22S.26E.32.22133

Eddy County, New Mexico
Latitude 32°21'13.35", Longitude 104°18'45.57" NAD83
Land-surface elevation 3,319.00 feet above NGVD29
The depth of the well is 140 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1954-02-11		D	62610		3223.64	NGVD29	1	Z		
1954-02-11		D	62611		3225.26	NAVD88	1	Z		
1954-02-11		D	72019	95.36			1	Z		
1955-01-13		D	62610		3223.27	NGVD29	1	Z		
1955-01-13		D	62611		3224.89	NAVD88	1	Z		
1955-01-13		D	72019	95.73			1	Z		
1956-01-06		D	62610		3224.08	NGVD29	1	Z		
1956-01-06		D	62611		3225.70	NAVD88	1	Z		
1956-01-06		D	72019	94.92			1	Z		
1957-01-07		D	62610		3222.50	NGVD29	1	Z		
1957-01-07		D	62611		3224.12	NAVD88	1	Z		
1957-01-07		D	72019	96.50			1	Z		
1958-01-10		D	62610		3221.02	NGVD29	1	Z		
1958-01-10		D	62611		3222.64	NAVD88	1	Z		
1958-01-10		D	72019	97.98			1	Z		
1959-01-26		D	62610		3224.91	NGVD29	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1959-01-26		D	62611		3226.53	NAVD88	1	Z		
1959-01-26		D	72019	94.09			1	Z		
1960-01-07		D	62610		3224.40	NGVD29	1	Z		
1960-01-07		D	62611		3226.02	NAVD88	1	Z		
1960-01-07		D	72019	94.60			1	Z		
1961-01-10		D	62610		3224.43	NGVD29	1	Z		
1961-01-10		D	62611		3226.05	NAVD88	1	Z		
1961-01-10		D	72019	94.57			1	Z		
1962-01-15		D	62610		3224.17	NGVD29	1	Z		
1962-01-15		D	62611		3225.79	NAVD88	1	Z		
1962-01-15		D	72019	94.83			1	Z		
1963-01-21		D	62610		3223.98	NGVD29	1	Z		
1963-01-21		D	62611		3225.60	NAVD88	1	Z		
1963-01-21		D	72019	95.02			1	Z		
1964-01-17		D	62610		3221.70	NGVD29	P	Z		
1964-01-17		D	62611		3223.32	NAVD88	P	Z		
1964-01-17		D	72019	97.30			P	Z		
1965-01-14		D	62610		3221.06	NGVD29	1	Z		
1965-01-14		D	62611		3222.68	NAVD88	1	Z		
1965-01-14		D	72019	97.94			1	Z		
1966-01-07		D	62610		3210.99	NGVD29	P	Z		
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1966-01-07		D	72019	108.01			P	Z		
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1978-01-06		D	62611		3225.59	NAVD88	1	Z		
1978-01-06		D	72019	95.03			1	Z		
1983-01-12		D	62610		3224.54	NGVD29	1	Z		
1983-01-12		D	62611		3226.16	NAVD88	1	Z		
1983-01-12		D	72019	94.46			1	Z		
1987-10-15		D	62610		3224.73	NGVD29	1	Z		
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1992-12-11		D	62610		3223.03	NGVD29	1	S		
1992-12-11		D	62611		3224.65	NAVD88	1	S		
1992-12-11		D	72019	95.97			1	S		
1998-01-14		D	62610		3222.59	NGVD29	1	S		
1998-01-14		D	62611		3224.21	NAVD88	1	S		
1998-01-14		D	72019	96.41			1	S		
2003-02-11		D	62610		3216.74	NGVD29	1	S	USGS	
2003-02-11		D	62611		3218.36	NAVD88	1	S	USGS	
2003-02-11		D	72019	102.26			1	S	USGS	
2013-01-09	16:00 UTC	m	62610		3222.60	NGVD29	1	S	USGS	
2013-01-09	16:00 UTC	m	62611		3224.22	NAVD88	1	S	USGS	
2013-01-09	16:00 UTC	m	72019	96.40			1	S	USGS	
2018-01-30	22:19 UTC	m	62610		3224.10	NGVD29	1	S	USGS	
2018-01-30	22:19 UTC	m	62611		3225.72	NAVD88	1	S	USGS	
2018-01-30	22:19 UTC	m	72019	94.90			1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2023-06-26 12:36:37 EDT
0.29 0.24 nadww01

Received by OCD: 11/26/2025 9:51:28 AM

Grass. F

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

466510

Section 1. GENERAL INFORMATION

(A) Owner of well Tommy Hardesty Owner's Well No. _____

Street or Post Office Address 405 Elgin

City and State Carlsbad, NM 88220

Well was drilled under Permit No. C-2822 and is located in the:

a. NE ¼ SW ¼ NW ¼ ____ ¼ of Section 33 Township 22S Range 26E N.M.P.M.

b. Tract No. ____ of Map No. ____ of the ____

c. Lot No. ____ of Block No. ____ of the ____
Subdivision, recorded in ____ County.

d. X= ____ feet, Y= ____ feet, N.M. Coordinate System ____ Zone in the ____ Grant.

(B) Drilling Contractor Taylor Water Well Service License No. WD-1348

Address 7317 Etcheverry Rd, Carlsbad, NM 88220

Drilling Began 5/19/01 Completed 5/24/01 Type tools Air Rotary Size of hole 4 7/8 in.

Elevation of land surface at well is 3350 ft. Total depth of well 300 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well ____ ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
			Dry Hole	

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
6	Sch 40 Pvc		+1	2	3			

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

2001 OCT -4 AM 10:56 STATE ENGINEER OFFICE ROSWELL, NEW MEXICO

Section 5. PLUGGING RECORD

Plugging Contractor ____

Address ____

Plugging Method ____

Date Well Plugged ____

Plugging approved by:

State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 10-04-2001

Quad ____ FWL ____ FSL ____

File No. C-2822 Use "Dry Hole" Location No. 22S.26E.33.132

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Received by OCD: 11/26/2025 9:51:28 AM

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	4	4	Soil
4	8	4	Caliche
8	12	4	Cobble+Gravel
12	18	6	Clay:pnk,slty
18	24	6	Clay:rd,slty,sme yel
24	30	6	Anhy:frstd,crm,wht,vfn-fn xln
30	76	46	Clay:rd,slty,sme clr gyp
76	78	2	Silt stone:dk gry,calc
78	86	8	Clay:rd,slty
86	138	52	Clay:rd,slty,sme thin layers of gpy+anhy
138	192	54	Clay:rd,dk brn,slty,sme 40% gyp
192	196	4	Silt Stone:dk gry,calc
196	234	38	Anhy:gry-off wht,vfn-fn xln,sme clr gyp
234	257	23	Dolomite:wht,off wht,vfn-micxln
257	261	4	Clay:blu gry,shly
261	300	39	Anhy:wht,frstd,vfn xln,sme clr gyp

Section 7. REMARKS AND ADDITIONAL INFORMATION

Dry hole. Left hole open (with cap on surface casing) in case of future effort to deepen well. Bailed well after drilling and found no water.

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

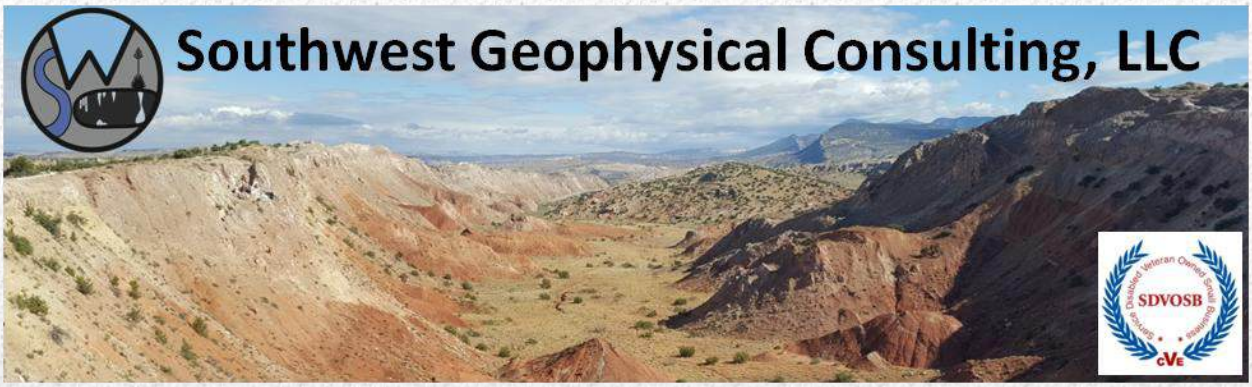
INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this [redacted] is used as a plugging record, only Section 1([redacted]) and Section 5 need be completed.

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APPENDIX E

Environmental Karst Survey Report

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



Environmental Karst Study Report
Barbados State No. 001 SWD
Eddy County, New Mexico

Prepared For:

eTech Environmental & Safety Solutions, Inc.

13000 West County Road 100

Odessa, TX 79765

☐ **Positive within 200 feet of spill delineation boundary**

☑ **Negative within 200 feet of spill delineation boundary**

☑ **Stable** ☐ **Unstable Ground**

☐ **Karst Monitor Recommended**

April 28, 2025

ETEC-012B-20250306

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TABLE OF CONTENTS

FRONT MATTER i
TABLE OF CONTENTS ii
LIST OF FIGURES iii
LIST OF TABLES iii
1.0 INTRODUCTION 1
1.1 Goals of this Study 1
1.2 Summary of Findings 1
1.3 Affected Environment 1
1.4 Limitations of Report 3
2.0 LOCATION AND DESCRIPTION OF STUDY AREA 4
2.1 Description of Site 4
2.2 Local Geology Summary 5
2.3 Description of Survey 6
2.3.1 Surface Karst Survey 6
2.3.2 Geophysical Survey 8
3.0 RESULTS 10
3.1 Surface Karst Survey 10
3.2 Geophysical Survey 12
4.0 DISCUSSION 14
5.0 SUMMARY 16
6.0 DISCLOSURE STATEMENT 16
7.0 REFERENCES 18
8.0 GLOSSARY OF TERMS 19
9.0 ATTESTATION 21

LIST OF FIGURES

Figure 1: Karst occurrence zone overview 2
Figure 2: Land ownership and PLSS overview 4
Figure 3: Geology overview 5
Figure 4: Surface survey overview 6
Figure 5: Geophysical survey overview 8
Figure 6: Surface karst survey results 10
Figure 7: 2D inverted resistivity sections 12
Figure 8: Data overlay 15

LIST OF TABLES

Table 1: Survey Line Data Table 9
Table 2: Software Information and Settings 9
Table 3: Surface Karst Feature Data Table 11
Table 4: Subsurface Anomaly Data Table 13

1.0 INTRODUCTION

This report was commissioned by eTech Environmental & Safety Solutions, Inc. (hereinafter referred to as "the client"), on March 6, 2025, for the purpose of conducting an environmental karst study within an area encompassing the Barbados State No. 001 SWD site (hereinafter termed “BS01”) centered at N 32.346833° W 104.309131°.

1.1 Goals of this Study

The goals of this study are to conduct a surface karst inventory and provide the client with the location and description of any surface karst features located within 200 feet (61 meters) of the spill delineation boundary (as defined by 19.15.29.12 NMAC[1]) and to determine whether stable ground exists (as defined by 19.15.2 NMAC Definitions[2]) within the spill boundary of the Barbados State 001 release using electrical resistivity imaging[3].

1.2 Summary of Findings

- **No surface karst features exist within the 200-foot (61-meter) zone surrounding the spill delineation boundary.**
- **Two anomalies consistent with air-filled voids are located within the BS01 resistivity survey area, indicating the zone beneath the geophysical survey may be subject to collapse. These features were investigated and found to be stratigraphically, rather than karst related.**
- **Well-layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted.**

1.3 Affected Environment

The BS01 project site is located in evaporite karst terrain, a landform that is characterized by underground drainage through solutionally enlarged conduits. Evaporite karst terrain may contain sinkholes, sinking streams, caves, and springs. Sinkholes leading to underground drainages and voids are common. These karst features, as well as occasional fissures and discontinuities in the bedrock, provide the primary sources for rapid recharge of the groundwater aquifers of the region. Additionally, karst may develop by hypogene processes involving dissolution by upwelling fluids from depth independent of recharge from the overlying or immediately adjacent surface. Hypogene karst systems may not be connected to the surface and can remain undiscovered unless encountered during drilling or excavation.

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

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

A critical karst occurrence zone is defined as an area in known soluble rock types with high density of significant cave systems and/or bedrock fractures that lead to the rapid recharge of karst groundwater aquifers from surface runoff. These areas provide critical drinking water supplies for major communities and ranching operations, and supply springs that support rivers and vital riparian habitats[4].

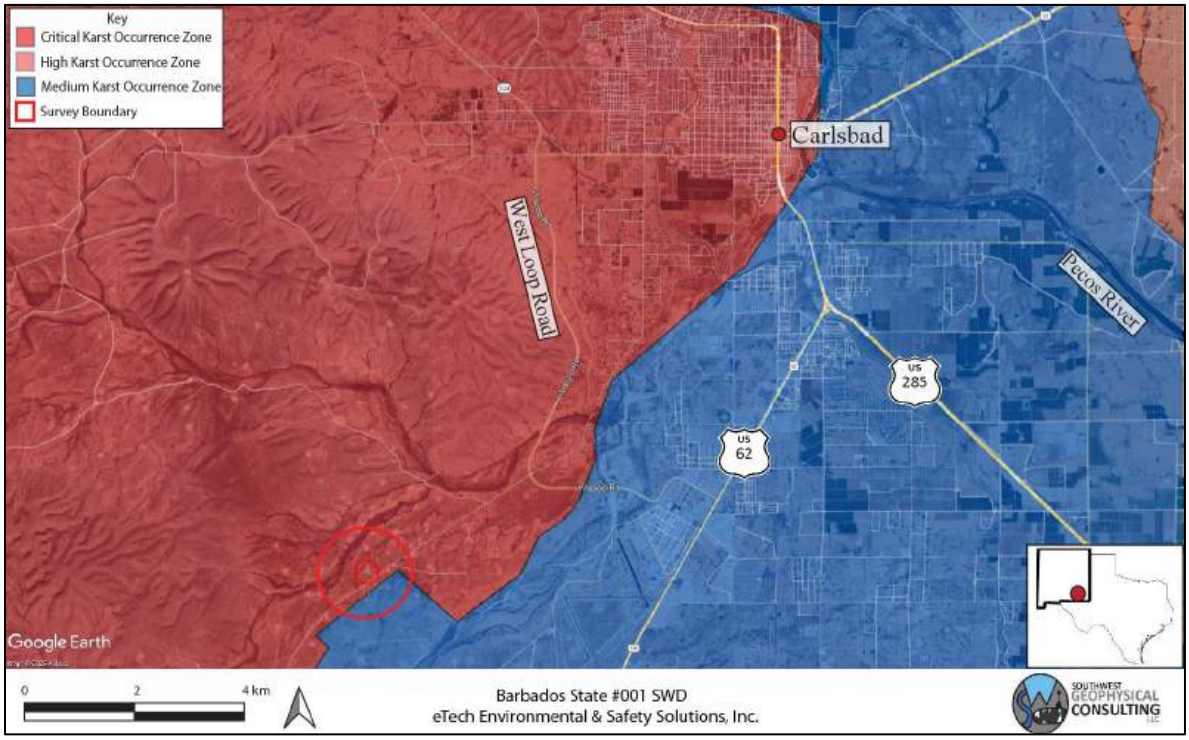


Figure 1: Karst occurrence zone overview. Background image credit: Google Earth. Image date: March 7, 2023. Image datum: WGS-84.

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

1.4 Limitations of Report

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

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

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

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

2.0 LOCATION AND DESCRIPTION OF STUDY AREA

2.1 Description of Site

The site is located 10.9 kilometers (6.8 miles) southwest of Carlsbad, New Mexico, north of Hidalgo Rural Road and southwest of West Loop Road. The release area is located within section 32 of NM T22S R26E[6] (**Figure 1** and **Figure 2**). The region has rolling terrain with karstification occurring in the gypsite soils and underlying gypsum and dolomite bedrock[7] (see section ***2.2 Local Geology Summary*** for further information). The climate in this area of southeast New Mexico is semi-arid with an average annual precipitation of approximately 13 inches, of which about two-thirds falls as rain during summer thunderstorms from June to October. Summers are hot and sunny while winters are generally mild, with an average maximum temperature of 96°F in July and an average minimum temperature of 28°F in January[8]. This area is within the Chihuahuan Desert Thornscrub as defined by the Southwestern Regional ReGAP Vegetation map[9] and the vegetation consists mostly of areas of blue grama, nine-awned pappus grass, burro grass and low scrub including yucca. The spill delineation boundary is located within a CKOZ[5] (**Figure 1**) and NMSLO managed land[10] (**Figure 2**).

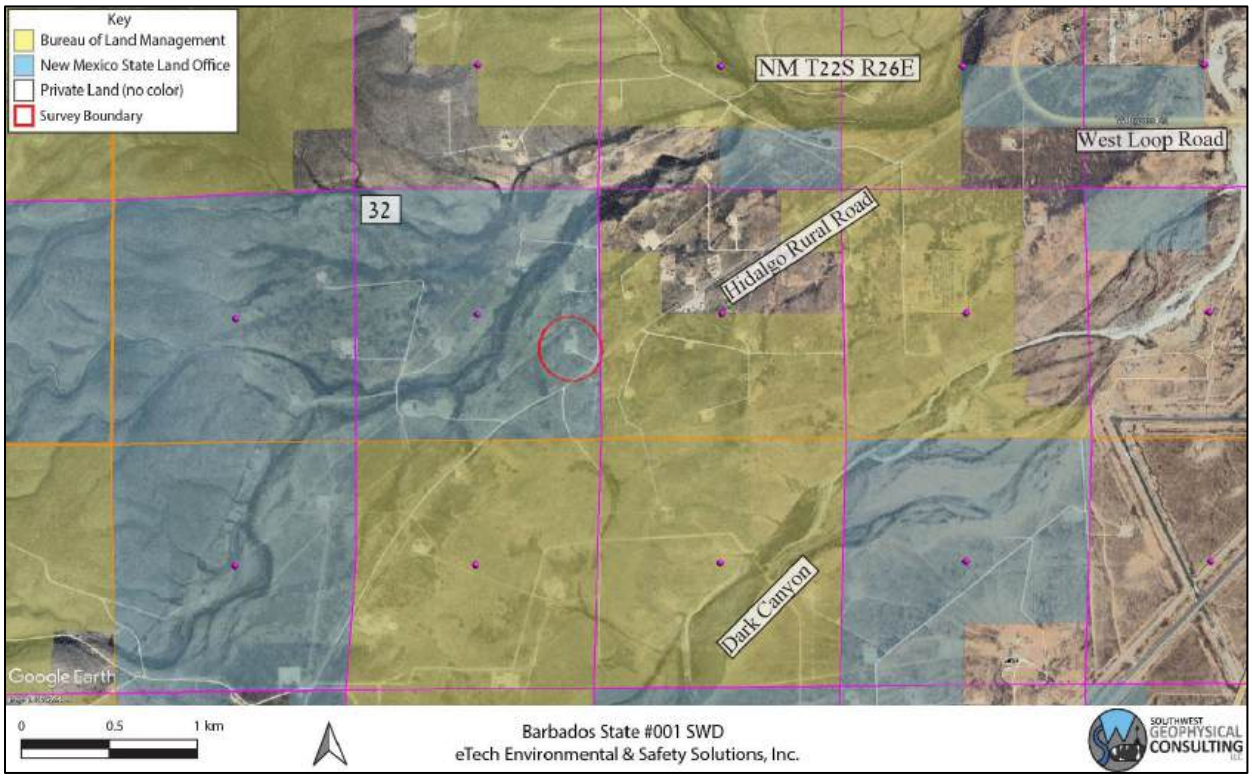


Figure 2: Land ownership and PLSS overview. Background image credit: Google Earth. Image date: March 7, 2023. Image datum: WGS-84.

2.2 Local Geology Summary

The site for the BS01 survey is located at an elevation of 1,015 meters (3,331 feet), ± 3 meters (9.8 feet). This region is underlain by the undivided Permian Tansill and Yates Formation (Pty). The area is mantled by thin calcareous soils (caliche) and piedmont gravels (Qp)[11] up to 5 meters in depth (**Figure 3**).

The Tansill Formation is mostly carbonate with minor siltstone and anhydrite. East of Highway 285 and along the Pecos River, the Tansill is predominantly dolomite. In places where the dolomitic beds are exposed, the contact with the overlying Salado gypsum and siltstone can also be seen. Both of the dolomitic and gypsiferous facies in the Tansill are prone to karst development[12].

The Yates Formation is dominated by a quartz-rich, frosted-sandstone facies with minor carbonate, anhydrite, and siltstone. Northwest of Carlsbad, there is a near-reef facies with inter-tongued carbonates and evaporites. The lower section of the Yates transitions with the upper portion of the Seven Rivers Formation. This area consists of dolomite interbedded with siltstone, fine-grained sandstone, and minor gypsiferous siltstone beds that are prone to karst development[12].

The survey area is covered by the easily accessible Geologic Map of New Mexico (2003) at 1:500,000 scale[13] and the Digital Geologic Map of New Mexico in ARC/INFO Format[11].

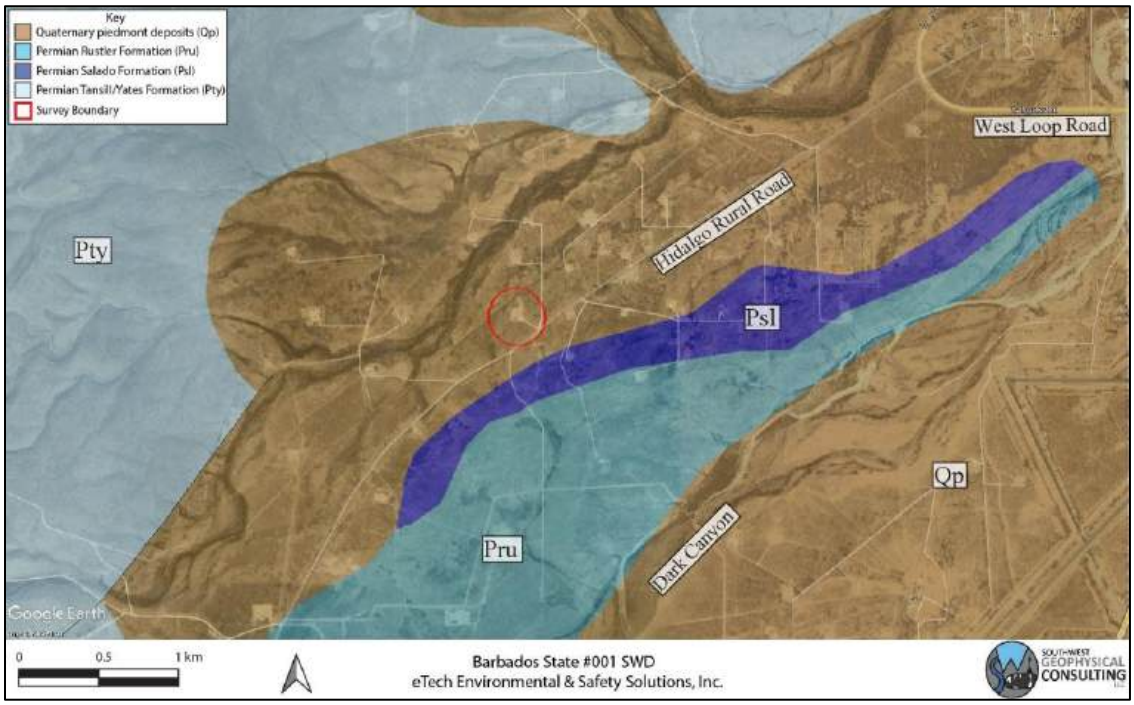


Figure 3: Geology overview. Geology map credit: The Digital Geologic Map of New Mexico in ARC/INFO Format. Background image credit: Google Earth. Image date: March 7, 2023. Image datum: WGS-84.

2.3 Description of Survey

2.3.1 Surface Karst Survey

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

The surface karst survey includes a desk study prior to the flight which allows us to provide client feedback in the event of any previously known karst features in the area. The desk study is performed out to 305 meters (1,000 feet) from the spill delineation boundary per New Mexico Oil Conservation Division guidance[1] (**Figure 4**). The study was performed using satellite and aerial imagery from Google Earth Pro dated March 7, 2023 (please note features less than one meter in diameter are generally not visible using this method); the Southwest Geophysical Cave and Karst Database dated March 20, 2025[14]; the Kitchen Cove, NM, 1:24,000 quad, 1985, USGS topographic map; and the latest lidar imagery from CalTopo.com. Please note that we use older topographic maps because newer maps have had caves removed from them. These searches and queries returned no previously recorded karst features within the 305-meter survey boundary.

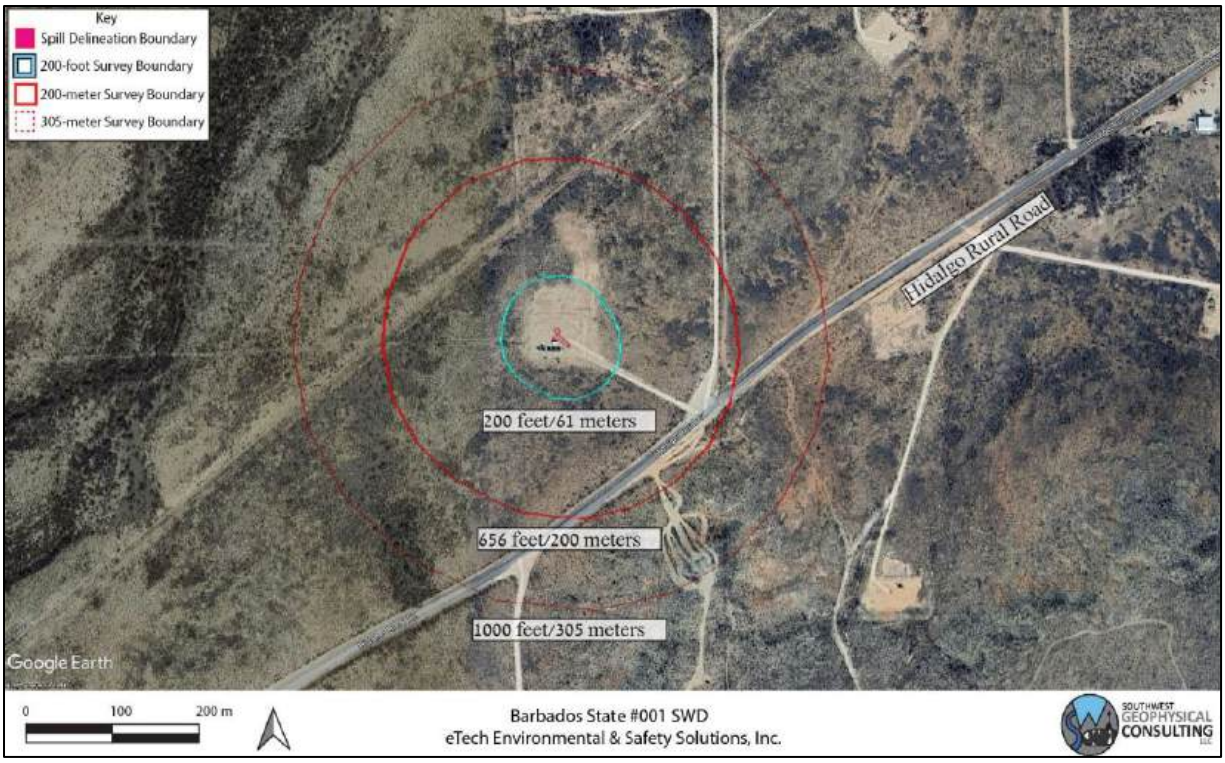


Figure 4: Surface survey overview. Background image credit: Google Earth. Image date: March 7, 2023. Datum: WGS-84.

Surface karst surveys are conducted by sUAS at low elevation within 200 meters of the spill delineation boundary[4] (**Figure 4**) following a preplanned raster pattern flightpath designed for the purpose of generating at least 75% imagery overlap. The collected high-resolution, georeferenced imagery is stitched together to develop orthomosaic imagery which is further developed into a digital elevation model (DEM); the DEM is then processed into a local relief model (LRM) (**Figure 6**). This LRM is color coded to enhance differences in elevation of as little as five centimeters. The orthoimagery, DEM, and LRM are uploaded to a server where they are analyzed by an experienced karst geologist. Finally, the data is reviewed by a senior karst geologist for quality assurance and downloaded into a table for inclusion in a written report[15].

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

The imagery for this study was collected via aerial survey by Pat Lagodney of SWCA on August 23, 2023. Surface karst features may have developed after this date and will not be noted in this report. Imagery analysis was completed by Garrett Jorgensen Olague of Southwest Geophysical Consulting on September 6, 2023. **NOTE:** a surface karst survey was commissioned by the client on July 19, 2023. These surface karst survey results were originally reported in report number ETEC-002-20230719.

2.3.2 Geophysical Survey

For this survey, an Advanced Geosciences Inc. (AGI) SuperSting™ Wifi R8 with a multi-electrode switchbox, a 28-electrode array of 40-centimeter-long electrodes, and a tablet controller were used to image the subsurface. This survey consisted of two resistivity lines in a dipole-dipole strong-gradient configuration; line one is laid out southeast to northwest while line two is laid out southwest to northeast. Both lines consisted of 28 electrodes at 5-meter spacing, resulting in 135-meter-long arrays (**Figure 5**, **Table 1**). A preconfigured command file was used to run the data collection (DDSG28). This electrode configuration provided a depth of investigation of 27 meters (89 feet) and a resolution of 2.5 to 3.0 meters (8.2 to 9.8 feet) within the first 5 to 8 meters (16 to 26 feet) from the surface. A Leica GS18 GPS was used to record electrode locations and elevations.

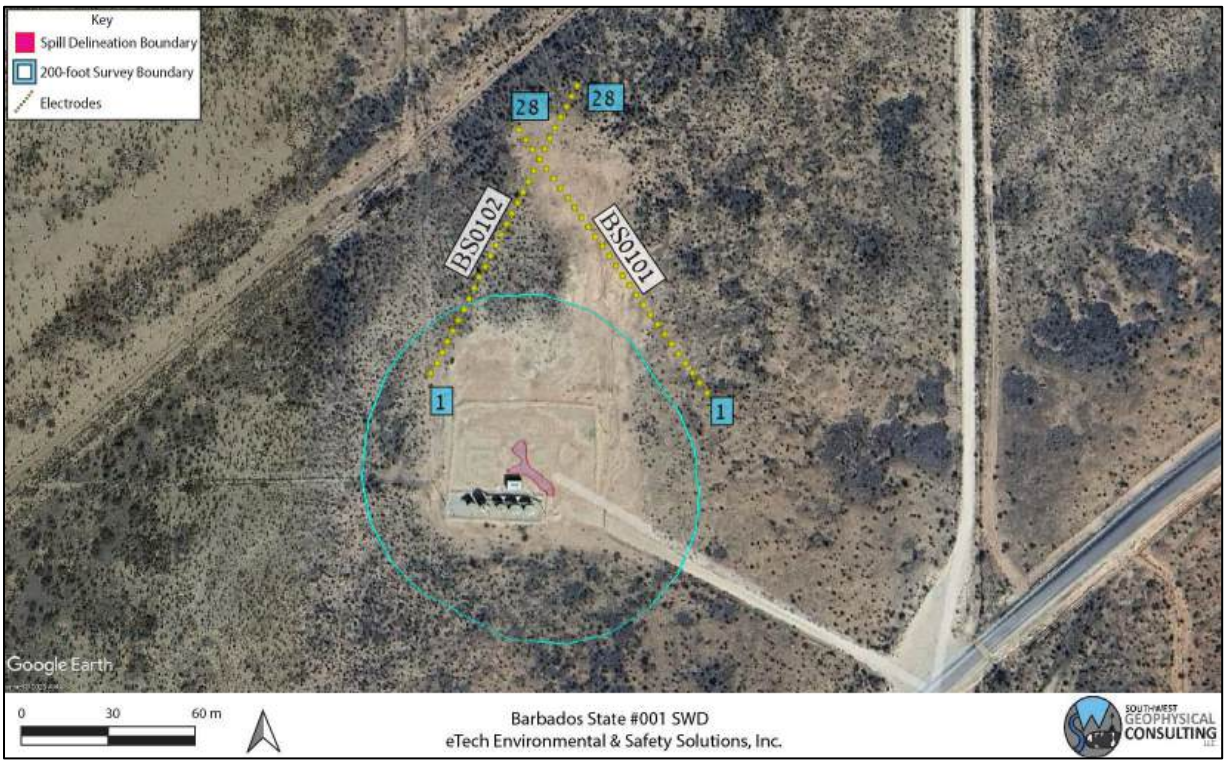


Figure 5: Geophysical survey overview. Two survey lines were conducted with 28 electrodes each at 5-meter spacing (yellow dots denoted with blue numbers). Background image credit: Google Earth. Image date: March 7, 2023. Image datum: WGS-84.

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

Table 1: Survey Line Data Table. The .kmz file contains all the points for the survey line listed in the file name. These data are available in the accompanying files BS01 _ERI_Points.xlsx and ETEC-012-20250306_BS01_Data_Files.kmz.

File Name:	Completed By:	Date:
BS0101.kmz	Garrett Jorgensen Olague – Senior Field Geologist Britt Bommer – Field Geologist Michael Jones – Field Geologist	4/9/2025
BS0102.kmz		

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

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

Table 2: Software Information and Settings

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

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

All geophysical field work, including setup, stow, and travel, was completed by Garrett Jorgensen Olague, Britt Bommer, and Michael Jones on April 9, 2025.

3.0 RESULTS

3.1 Surface Karst Survey

The desk study and surface karst survey showed no surface karst features within the 200-foot (61-meter)[1] survey area surrounding the spill delineation boundary (**Figure 6**).

One recognized surface karst feature is located within the 305-meter survey boundary, but outside of the 200-*meter* surface karst survey boundary (**Figure 6**, **Table 3**). Recognized surface karst features are features that are positively identified in either satellite or aerial imagery as karst features and the features have been visited by a qualified karst professional in the field and fully identified. Images for this feature are available on request.

No springs exist within the 305-meter survey boundary (**Figure 6**).

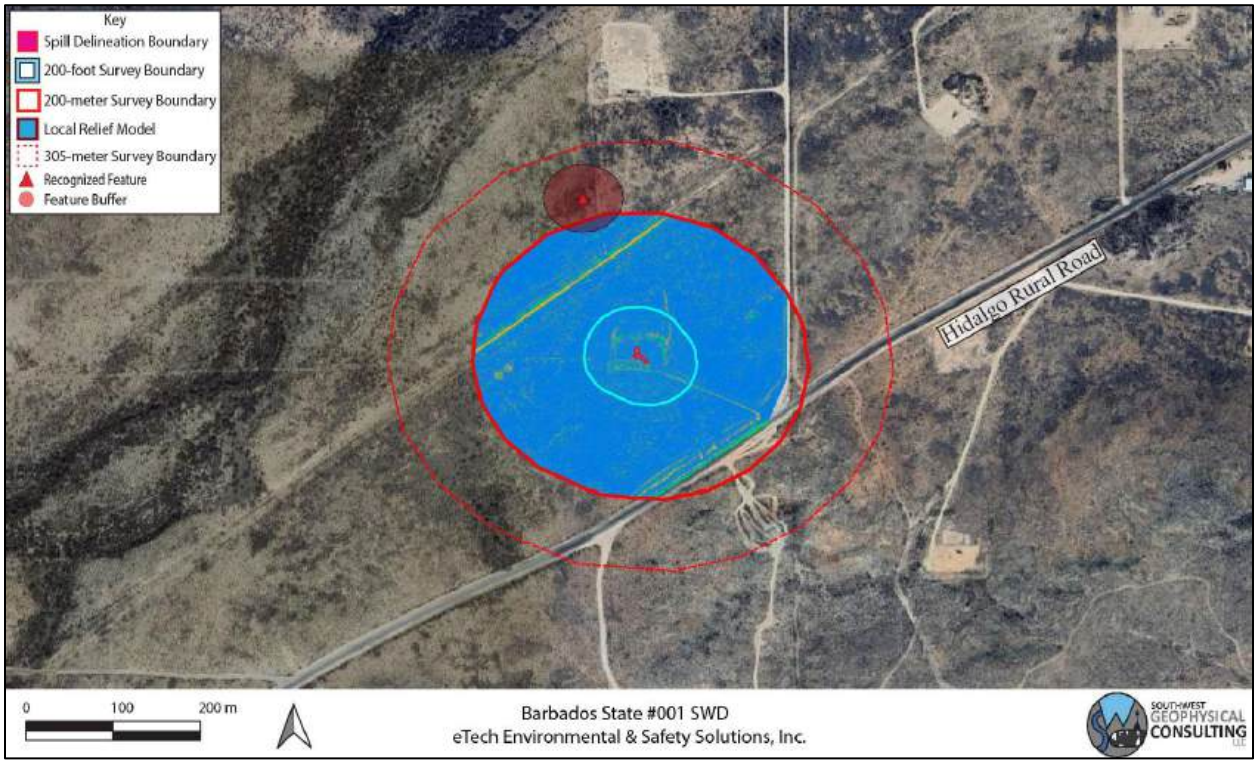


Figure 6: Surface karst survey results. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

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

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

Table 3: Surface Karst Feature Data Table

KF Status	Feature ID	Type	Size (m)	Buffer (m)	Mod	Easting	Northing
RKF	230901-G01	Cover-Collapse Sinkhole	2	50	V	564979.4324	3579281.851

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

3.2 Geophysical Survey

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

The results of this study indicate a well-layered geologic system with resistivities between 5 and 1,100 Ohm-m (**Figure 7**). Two high-resistivity anomalies are present, one on each line. These anomalies have resistivities of 5,938 and 5,586 Ohm-m, respectively. Please keep in mind when viewing the 2D inverted resistivity sections that color maps can be widely different for each view. Always check the color map located on the right side of the image when viewing the 2D images to ensure you understand the range of resistivities presented. Distances along the top and depths along the left side are in meters. The color map along the right side is in Ohm-m. Due to the nature of the survey, shallower zones have higher resolution between electrodes than deeper zones; therefore, small features at depth will not be visible.

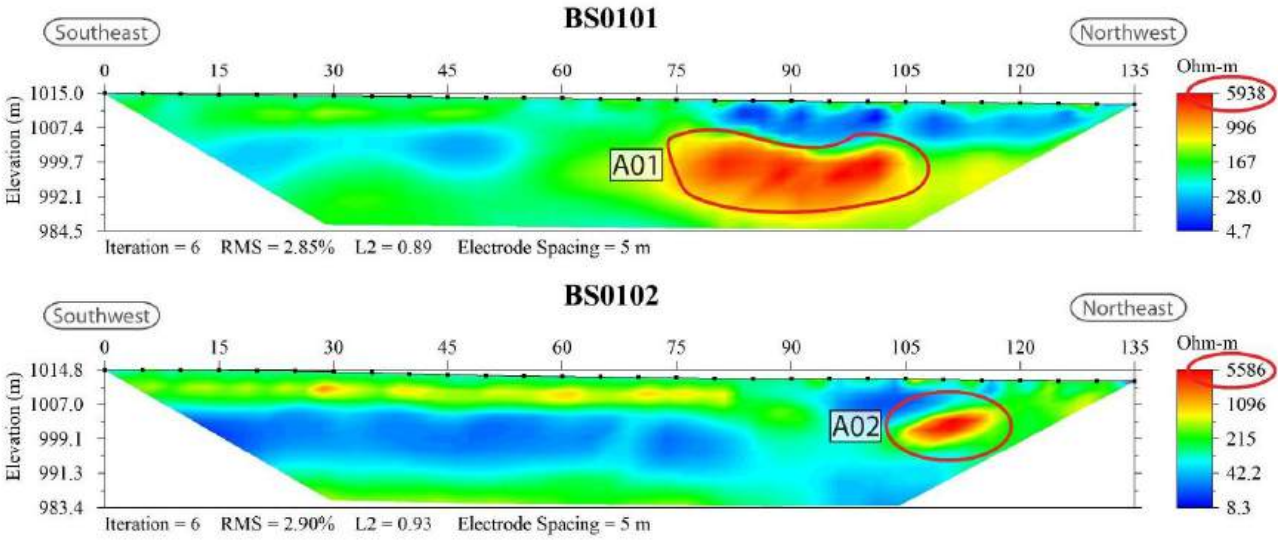


Figure 7: 2D inverted resistivity sections. Reds and oranges indicate higher resistivity values. Yellows and greens are medium-resistivity values. Blues are low-resistivity values.

Table 4 contains a list of anomalies identified during the geophysical survey and subsequent data analysis. Each anomaly is identified with a feature identification number (Feature ID), the type of feature (as interpreted), estimated size (in meters), recommended buffer (in meters), estimated depth from the surface (in meters), feature status modifiers (R for resistivity anomaly, V for field verified), and its location in WGS-84/UTM-13 (EPSG: 32613).

Table 4: Subsurface Anomaly Data Table (NOTE: this table has been updated to reflect the results of the borehole investigation).

KF Status	Feature ID	Type	Size (m)	Buffer (m)	Mod	Depth (m)	Easting	Northing
NKF	250409-A01	Stratigraphic layer	5	20	N	15	565064.008	3579168.015
NKF	250409-A02	Stratigraphic layer	3	15	N	12	565061.285	3579193.041

NOTE: Location data provided in WGS-84/UTM 13N. PKF – possible karst feature.

4.0 DISCUSSION

No surface karst features exist within the 200-foot survey boundary. One recognized surface karst feature exists within the 305-meter survey boundary, but outside of the 200-*meter* survey boundary (**Figure 6, Table 3**). Two high-resistivity anomalies initially interpreted to be either subsurface voids or stratigraphically influenced results were subsequently determined to be a high-resistivity gravel lense over low-resistivity clay via a borehole investigation conducted over several days. The borehole investigation utilized both air-rotary and fluid-return drill rigs and a borehole camera (**Figure 7**, **Figure 8** and **Table 4**).

Slightly higher-than-average resistivity areas less than 10 meters beneath the surface are interpreted as dry caliche or gypsite soils. Due to their low resistivity values when compared with significant subsurface voids, these features should not be a concern during remediation efforts. Areas of moderate resistivity (yellows, and greens) near the surface are interpreted as dry caliche soils and dolomite bedrock of the Yates or Tansill Formations[16] (**Figure 7**, **Figure 8**).

The low-resistivity areas between 5 to 20 Ohm-m are interpreted as a layer of either clays, halite lenses, or moist or saturated layers within the Tansill or Yates Formations (**Figure 7**).

Please remember that these are interpretations made from knowledge of the local subsurface materials and experience. **They remain interpretations until verified by geotechnical methods.**

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

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

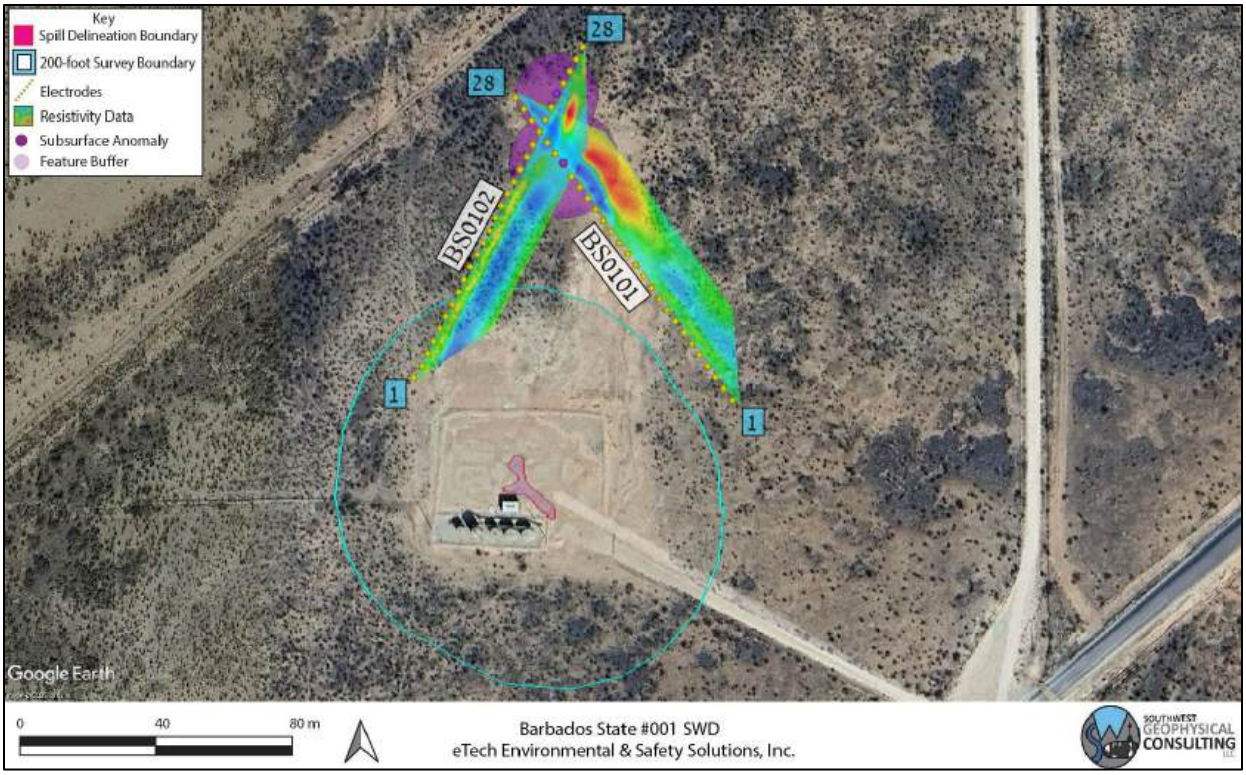


Figure 8: Data overlay. Colored trapezoids are the 2D inverted resistivity line. Background image credit: Google Earth. Image date: March 7, 2023.

5.0 SUMMARY

- **The BS01 survey contains no surface karst features within 200 feet (61 meters) of the spill delineation boundary.**
- One surface karst feature is located outside of the 200-meter survey boundary, but within the 305-meter (1,000 foot) survey boundary.
- **Two subsurface anomalies initially interpreted as voids or related karst features were investigated and found to be stratigraphically related.**
- Intercepting a void during remediation efforts to a depth of four feet is unlikely, but still possible. Small voids or solutionally enlarged fractures below the resolution limit of the survey may be encountered.
- **Well-layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted.**
- When conducting any remediation activities in this area, employing a BLM-CFO approved karst monitor on site should be considered.

6.0 DISCLOSURE STATEMENT

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

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

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

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

Monitoring services with qualified karst monitors, as well as cave surveys and geophysical surveys, are available from Southwest Geophysical Consulting.

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

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

BLM-CFO: blm_nm_karst@blm.gov

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

7.0 REFERENCES

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16 Hill, C. A. *Geology of the Delaware Basin, Guadalupe, Apache and Glass Mountains, New Mexico and West Texas*. Vol. 96-39 (Permian Basin Section - SEPM, 1996).

8.0 GLOSSARY OF TERMS

AGI	Advanced Geosciences Inc.
BLM-CFO	Bureau of Land Management - Carlsbad Field Office
brecciated	Fractured rock caused by faulting or collapse.
caprock-collapse sinkhole	Collapse of roof-spanning rock into a cave or void.
cave	Natural opening at the surface large enough for a person to enter.
cover-collapse sinkhole	Collapse of roof-spanning soil or clay ground cover into a subsurface void.
ERI	Electrical Resistivity Imaging
GPS	Global Positioning System
grike	A solutionally enlarged, vertical, or sub-vertical joint or fracture.
(H)	High confidence modifier for a PKF. This is typically reserved for a feature that is definitely karst but has not been confirmed in the field.
HKOZ	High Karst Occurrence Zone
karst	A landscape containing solutional features such as caves, sinkholes, swallets, and springs.
(L)	Low confidence modifier for a PKF. This is typically a feature that cannot be ruled out as karst but is most likely NOT karst related. This modifier may also be used for pseudokarst features.
(M)	Medium confidence modifier for PKF. This is an ambiguous feature that can't be positively identified as karst without a field visit (e.g., burrows, abandoned unlined wells, solution tubes, pseudokarst).
MKOZ	Medium Karst Occurrence Zone
NCRC	National Cave Rescue Commission
NKF	Non-karst feature. Used for features originally identified as PKF that have been subsequently identified in the field as non-karst related. This term may also be used for pseudokarst features.
NMSLO	New Mexico State Land Office
Ohm-m	Ohm-meter, a unit of measurement for resistivity. Sometimes abbreviated Ω-m.
paleokarst	Previously formed karst features that have been filled in by erosion and/or deposition of minerals.
Pat	Permian Artesia Group
Pc	Permian Capitan Formation
Pcs	Permian Castile Formation

Pdl	Permian Dewey Lake Formation
PKF	Possible karst feature. This term is reserved for features identified in satellite or aerial imagery that have NOT been visited in the field. Further modifiers include (H) for high confidence, (M) for medium confidence, and (L) for low confidence. These confidence levels are based on field experience.
PLSS	Public Land Survey System
Pqg	Permian Queen/Greyburg Formation
Pru	Permian Rustler Formation
pseudokarst	Karst-like features (sinkholes, conduits, voids etc.) that are not formed by dissolution. These types of features include soil piping, lava tubes, and some cover-collapse and suffosion sinkholes.
Psl	Permian Salado Formation
Psr	Permian Seven Rivers Formation
Pt	Permian Tansill Formation
Py	Permian Yates Formation
Qal	Quaternary alluvium
Qe	Quaternary eolian deposits
Qp	Quaternary piedmont deposits
Qpl	Quaternary playa lake deposits
RKF	Recognized karst feature. This term is reserved for karst features that have been physically verified in the field.
SPAR	Small Party Assisted Rescue
sUAS	Small, uncrewed aerial system
suffosion sinkhole	Raveling of soil into a pre-existing void or fracture.
swallet	A natural opening in the surface, too small for a person, that drains water to an aquifer. Some are "open," meaning a void can be seen below; some are "closed, "meaning they are full of sediment.
SWG	Southwest Geophysical Consulting, LLC
UTM	Universal Transverse Mercator (projected coordinates)
(V)	Field verified modifier for a RKF. This indicates that the feature has been visited by a qualified karst professional in the field and fully identified
WGS	World Geodetic System (geographic coordinates)

9.0 ATTESTATION

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

CERTIFICATE OF AUTHOR

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

- I am currently employed as a consulting geologist in the specialty of caves and karst with an office address of 5117 Fairfax Dr. NW, Albuquerque, NM, USA, 87114.
- I graduated with a Master of Science in Applied Physics with a specialization in Sensor Systems from the Naval Post Graduate School in Monterey, California, in 2003, and a Doctor of Philosophy in Earth and Planetary Sciences from the University of New Mexico, Albuquerque, New Mexico, in 2018.
- I am a Licensed Professional Geologist in the State of Texas, USA (PG-15242) and have been since 2021. I am a Certified Professional Geologist through the American Institute of Professional Geologists (CPG-12123) and have been since 2021.
- I have been employed as a geologist continuously since 2016. I was previously employed as a Fire Controlman, Naval Flight Officer, and Aerospace Engineering Duty Officer in the U.S. Navy and operated, maintained, and installed various sensor systems including magnetic, electromagnetic, radar, communications, and acoustic systems in various capacities from 1986 through 2010.
- I have been involved in various aspects of cave and karst studies continuously since 1985, including exploration, mapping, and scientific studies.
- I have read the definition of “qualified karst professional” set out in the ASTM Standard Practice for Preliminary Karst Terrain Assessment for Site Development (ASTM E-1527). I meet the definition of “qualified professional” for the purposes of this standard.
- I am responsible for the content, compilation, and editing of all sections of report number ETEC-012B-20250306 entitled, “Environmental Karst Study Report, Barbados State No. 001 SWD, Eddy County, New Mexico.” I or a duly authorized and qualified representative of Southwest Geophysical Consulting, LLC, have personally visited this site and/or reviewed the aerial imagery on the date or dates mentioned in section ***2.3 Description of Survey***.

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

Dated in Albuquerque, New Mexico, August 18, 2025.

David D. Decker
PhD, CPG-12123



APPENDIX F

Soil Sampling Logs

eTECH	Sample Name: BH01	Date: 7/26/2023 & 1/22-1/24/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: Trackhoe & HSA
Site Coordinates: 32.3464645, -104.3086861	Hole Diameter: N/A	Total Depth: 24'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	4,060	0	No	BH01	0.5	0	CCHE	(0-4') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
Dry	356	0	No	BH01	4	5	SP-SM	(4-19') SAND, dry, tan-light brown, poorly graded with silt, very fine-fine grain, trace small-coarse subround gravel, no stain, no odor.
Dry	796	0	No	BH01	8	10		@14' Color change to reddish brown with trace clay laminations.
Dry	1,416	0	No	BH01	12	15		(19-24') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, abundant small-large white crystalline gypsum inclusions, (3-8cm), no stain, no odor.
Dry	1,516	0	No	BH01	16			
Dry	2,180	0	No	BH01	18	20	CL	
Dry	628	0	No	BH01	20			
Dry	<112	0	No	BH01	22			
Dry	<112	0	No	BH01	24			
Total Depth								

eTECH	Sample Name: BH02	Date:7/26/2023, 1/22-1/24/2024, 9/12/2025
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3465515, -104.3087442	Hole Diameter: 3.75"	Total Depth: 29'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	3,744	0.0	No	BH02	0.5	0	CCHE	(0-4') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
Dry	1,072	0.0	No	BH02	4	5	SP-SM	(4-20') SAND, dry, tan-light brown, poorly graded with silt, very fine-fine grain, trace small-coarse subround gravel, no stain, no odor. @5' No gravel. @9' Increased consolidation. @13' Very large microcrystalline grey-light grey dolomite gravel and/ or boulder (6-20cm) with dissolution features (<1mm). @15' Interbedded yellow and reddish orange clay laminations (1mm).
Dry	<112	0.0	No	BH02	10	10		
Dry	112	0.0	No	BH02	14	15		
Dry	284	0.0	No	BH02	20	20	CL	(20-29') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, abundant small-large white crystalline gypsum inclusions, (3-8cm), no stain, no odor.
Dry	284	0.0	No	BH02	24	24		

eTECH	Sample Name: BH02	Date:7/26/2023, 1/22-1/24/2024, 9/12/2025
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3465515, -104.3087442	Hole Diameter: 3.75"	Total Depth: 29'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						25	CL	(20-29') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, abundant small-large white crystalline gypsum inclusions, (3-8cm), no stain, no odor.
Dry	<112	0.0	No	BH02	29	29		

Total Depth

eTECH	Sample Name: BH03	Date: 1/22-1/24/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3464744, -104.3087560	Hole Diameter: 3.75"	Total Depth: 24'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0		
Dry	3,744	0	No	BH03	0.5		CCHE	(0-4') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
Dry	627	0	No	BH03	4	5	SP-SM	(4-19') SAND, dry, tan-light brown, poorly graded with silt, very fine-fine grain, trace large subround dolomite gravel, no stain, no odor. @15' Trace yellow-reddish orange sandy clay inclusions.
Dry	627	0	No	BH03	10	10		
Dry	1,072	0	No	BH03	14	15		
Dry	112	0	No	BH03	19	20	SW-SM	(19-24') SAND, dry, reddish brown, well graded with silt, fine-coarse grain, abundant small-large pink-white crystalline gypsum, trace clay, no stain, no odor.
Dry	<112	0	No	BH03	24	24		
								Total Depth

eTECH	Sample Name: BH04	Date: 1/22-2/05/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3464541, -104.3088464	Hole Diameter: 3.75"	Total Depth: 29'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	1,148	0	No	BH04	0.5			(0-2') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
							SP-SM	
Dry	436	0	No	BH04	4			(2-11') SAND, dry, light brown, poorly graded with silt, fine grain, trace small subround gravel, no stain, no odor.
						5		
								@10' Very large microcrystalline grey-light grey dolomite gravel and/ or boulder (6-20cm) with dissolution features (<1mm).
Dry	1,872	0	No	BH04	10	10		
							SW-SM	(11-19') SAND, dry, tan-reddish brown, well graded with silt, fine-coarse grain, some yellow orange mottling, trace grey clay, no stain, no odor.
Dry	1,744	0	No	BH04	15	15		(19-30') CLAY, reddish brown, dry, fine grain, medium plasticity, cohesive, abundant laminations (<1mm), no stain, no odor.
								@24' White crystalline gypsum inclusions (~6cm)
							CL	
Dry	252	0	No	BH04	20	20		
Dry	140	0	No	BH04	25	25		
Dry	<112	0	No	BH04	29	29		
						Total Depth		

eTECH	Sample Name: BH05	Date: 1/22-1/24/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3464548, -104.3089260	Hole Diameter: 3.75"	Total Depth: 24'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	2,512	0	No	BH05	0.5	0	CCHE	(0-4') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
Dry	136	0	No	BH05	4	5		(4-5') SAND, dry, tan-light brown, poorly graded with silt, fine grain, trace medium subround dolomite gravel, no stain, no odor.
								(5-7') DOLOMITE, dry, tan-light grey, fine, microcrystalline, very consolidated, no stain, no odor.
Dry	112	0	No	BH05	10	10		(7-10') SAND, dry, light brown, well graded with silt, fine-coarse grain, some small-medium subround-subangular gravel, trace clay, no stain, no odor.
								(10-15') DOLOMITE, dry, light grey, fine, microcrystalline, very consolidated, some dissolutuion features (<1mm), no stain, no odor.
Dry	<112	0	No	BH05	15	15		(15-24') SAND, dry, tan-yellow, well graded with silt, fine-coarse grain, abundant small-large subround-subangular gravel, some clay inclusions, no stain, no odor.
								@19' Abundant large microcrystalline grey-yellow subround-subangular dolomite gravel.
								@23' Color change to pinkish brown, abundant white-pink crystalline gypsum, no dolomite gravel.
Dry	628	0	No	BH05	19	20		
Dry	164	0	No	BH05	24			
						Total Depth		

eTECH	Sample Name: BH06	Date: 1/24-2/05/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3464534, -104.3090319	Hole Diameter: 3.75"	Total Depth: 29'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	<112	0	No	BH06	0.5			(0-3') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
							SW-SM	
Dry	112	0	No	BH06	4			(3-5') SAND, dry, light brown, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
						5	DOL	
								(5-7') DOLOMITE, dry, light grey, fine, microcrystalline, very consolidated, trace dissolution features (<1mm), trace yellow mottling, no stain, no odor.
							SW-SM	
Dry	<112	0	No	BH06	10	10		(7-20') SAND, dry, light brown, well graded with silt, fine-coarse grain, abundant small-large subround-subangular microcrystalline light grey dolomite gravel, no stain, no odor.
Dry	<112	0	No	BH06	15	15		@14' Color change to tan, increase in dolomite gravel, trace clay.
								(20-23') DOLOMITE, dry, light grey, fine, microcrystalline, very consolidated, trace dissolution features (<1mm), trace yellow mottling, no stain, no odor.
Dry	356	0	No	BH06	20	20		
							DOL	(23-29') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, some yellow-grey mottling no stain, no odor.
							CL	
Dry	136	0	No	BH06	24	25		@28' Large white crystalline gypsum inclusions (3-8cm)
Dry	<112	0	No	BH06	29	29		
								Total Depth

eTECH	Sample Name: BH07	Date: 1/22-1/24/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3465533, -104.3088487	Hole Diameter: 3.75"	Total Depth: 19'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	(0-2') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
Dry	1,320	0	No	BH07	0.5		SW-SM	(2-5') SAND, dry, light brown-brown, well graded with silt, fine-coarse grain, abundant small-medium subround-gravel, no stain, no odor.
Dry	480	0	No	BH07	4	5	DOL	(5-18') DOLOMITE, dry, light grey, fine, microcrystalline, moderately consolidated, no stain, no odor.
								(7-10') SAND, dry, light brown, well graded with silt, fine-coarse grain, some small-medium subround-subangular gravel, trace clay, no stain, no odor.
Dry	<112	0	No	BH07	10	10		@10' Color change to light grey.
								@16' Some reddish brown clay.
Dry	136	0	No	BH07	15	15		(18-19') SAND, dry, tan-reddish brown, well graded with silt, fine-coarse grain, abundant small-large subround-subangular microcrystalline grey dolomite gravel, some clay, no stain, no odor.
							SW-SM	
Dry	192	0	No	BH07	19	19		
						Total Depth		

eTECH	Sample Name: BH08	Date: 1/23-2/06/2024	
	Site Name: Barbados State #001 SWD		
	Incident Number: nAB1619656595		
	Job Number: 18172		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA	
Site Coordinates: 32.3465555, -104.3089160	Hole Diameter: 3.75"	Total Depth: 29'	

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	1,872	0	No	BH08	0.5			(0-1') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
Dry	192	0	No	BH08	4			(1-14') SAND, dry, light brown-brown, well graded with silt, fine-coarse grain, some small subround gravel, no stain, no odor.
						5		@5' Abundant large subround-subangular microcrystalline grey dolomite gravel.
Dry	112	0	No	BH08	10	10		@10' Gravel decrease in size.
								(14-16') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, trace crystalline gypsum (<1mm), trace yellow mottling, no stain, no odor.
							CL	
Dry	112	0	No	BH08	15	15		(16-21') DOLOMITE, dry, light grey, fine, microcrystalline, moderately consolidated, some interbedded sand and clay, no stain, no odor.
							DOL	
Dry	164	0	No	BH08	19			(21-29') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, abundant small subround-subangular gravel, no stain, no odor.
						20		
							CL	@28' Abundant white crystalline gypsum inclusions (3-6cm).
Dry	140	0	No	BH08	24			
						25		
Dry	112	0	No	BH08	29	29		
								Total Depth

eTECH	Sample Name: BH09	Date: 1/23-1/24/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3464480, -104.3086353	Hole Diameter: 3.75"	Total Depth: 24'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	1,232	0	No	BH09	0.5			(0-3') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
							SP-SM	
Moist	1,232	0	No	BH09	4			(3-8') SAND, moist, light brown, poorly graded with silt, very fine-fine grain, some tan mottling, some clay, no stain, no odor.
						5		
								(8-14') SAND, dry, light brown, well graded with silt, very fine-fine grain, abundant small-large subround-subangular microcrystalline grey dolomite gravel, some clay, no stain, no odor.
							SW-SM	
Dry	576	0	No	BH09	10	10		(14-19') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, one large white crystalline gypsum inclusion (4-6 in), some yellow-grey mottling, no stain, no odor.
								(19-24') SILTSTONE, dry, pink-reddish brown, very fine grain, very consolidated, some gypsum inclusions, trace anhydrite, no stain, no odor.
Dry	164	0	No	BH09	15	15	CL	
Dry	220	0	No	BH09	19	19	SM-ST	
Dry	220	0	No	BH09	24			
								Total Depth

eTECH	Sample Name: BH10	Date: 1/24-2/05/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3464465, -104.3085528	Hole Diameter: 3.75"	Total Depth: 29'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	480	0	No	BH10	0.5			(0-1.5') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
							SP-SM	
Dry	924	0	No	BH10	4	5		(1.5-8') SAND, moist, light brown, poorly graded with silt, very fine-fine grain, some small caliche gravel, no stain, no odor.
								@6' Trace large subround-subangular gravel (4-6cm).
							CL	
Dry	1,744	0	No	BH10	10	10		(14-16') CLAY, dry, tan-light brown, fine grain, medium plasticity, cohesive, some sand, trace small-large subround gravel, no stain, no odor.
								@11' Color change to reddish brown with tan mottling, no gravel.
Dry	680	0	No	BH10	15	15		@18' Large white crystalline gypsum inclusions, trace large subround microcrystalline grey dolomite gravel.
								@22' No dolomite.
Dry	112	0	No	BH10	19	20		
Dry	<112	0	No	BH10	24	25		
Dry	<112	0	No	BH10	29	29		
						Total Depth		

eTECH	Sample Name: BH11	Date: 1/24-2/07/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3464253, -104.3084910	Hole Diameter: 3.75"	Total Depth: 29'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	680	0	No	BH11	0.5			(0-2') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
							SP-SM	
Moist	320	0	No	BH11	4	5		(2-12') SAND, moist, brown, poorly graded with silt, very fine-fine grain, trace small subround gravel, trace clay, no stain, no odor.
								@3' Dry, increased consolidation.
							CL	
Moist	480	0	No	BH11	10	10		@8' Moist, increased silt and clay, abundant small-large white crystalline gypsum inclusions (1mm-3cm).
								(12-27') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, some yellow-tan mottling, some white crystallinegypsum inclusions, no stain, no odor.
Dry	320	0	No	BH11	15	15		@18' Gypsum inclusions increased in size (3-12cm).
								(24-27') SILTSTONE, dry, reddish brown, very fine grain, moderately consolidated, some gypsum inclusions, no stain, no odor.
Dry	<112	0	No	BH11	19	20		(27-29') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, abundant white crystalline gypsum inclusions, no stain, no odor.
Dry	196	0	No	BH11	24	25		
Dry	<112	0	No	BH11	29	29		
						Total Depth		

eTECH	Sample Name: BH12	Date: 1/24/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3465508, -104.3086379	Hole Diameter: 3.75"	Total Depth: 24'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	2,008	0	No	BH12	0.5	0	CCHE	(0-2') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
							SP-SM	(2-4') SAND, dry, brown, poorly graded with silt, fine grain, trace clay, no stain, no odor.
Dry	<112	0	No	BH12	4	5	SW-SM	(4-10') SAND, dry, tan-light brown, well graded with silt, fine-coarse grain, abundant small-large subround-subangular microcrystalline grey dolomite gravel, no stain, no odor.
								@6' Trace reddish brown clay.
Dry	1,292	0	No	BH12	10	10	SP-SM	(10-13') SAND, dry, brown, poorly graded with silt, fine grain, trace clay, no stain, no odor.
							CL	(13-24') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, some large white crystalline gypsum inclusions (4-10cm), no stain, no odor.
Dry	216	0	No	BH12	15	15		@22' very consolidated, partial claystone features.
Dry	<112	0	No	BH12	20	20		
Dry	164	0	No	BH12	24	24		
								Total Depth

eTECH	Sample Name: BH13	Date: 1/24-2/06/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3465546, -104.3085514	Hole Diameter: 3.75"	Total Depth: 29'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	2,232	0	No	BH13	0.5	0	CCHE	(0-2') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
Dry	112	0	No	BH13	4	5		(2-3') SAND, moist, brown, poorly graded with silt, very fine-fine grain, abundant small-large subround gravel, no stain, no odor.
Dry	112	0	No	BH13	10	10		(3-9') SAND, dry, tan-light brown, well graded with silt, fine-coarse grain, abundant small-large subround-subangular microcrystalline grey dolomite gravel, no stain, no odor.
Dry	<112	0	No	BH13	15	15		(9-18') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, no stain, no odor.
Dry	<112	0	No	BH13	19	20		@10' Some large white crystalline gypsum inclusions (3-10cm).
Dry	<112	0	No	BH13	24	25		@11' Increased consolidation.
Dry	116	0	No	BH13	29	29		(18-22') CALICHE, dry, tan, well graded with silt, fine-coarse grain, well consolidation, trace small subround gravel, no stain, no odor.
								(22-29') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, abundant white crystalline gypsum inclusions, no stain, no odor.
						Total Depth		

eTECH	Sample Name: BH14	Date: 1/25/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3466080, -104.3087471	Hole Diameter: 3.75"	Total Depth: 24'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	2,252	0	No	BH14	0.5			(0-2') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
							SP-SM	
Dry	592	0	No	BH14	4		SW-SM	(2-4') SAND, dry, brown, poorly graded with silt, fine grain, no stain, no odor.
						5		(4-18') SAND, dry, tan-light brown, well graded with silt, fine-coarse grain, abundant small-large subround-subangular microcrystalline grey dolomite gravel, no stain, no odor.
								@9' Gravel increased in size, some clay.
Dry	396	0	No	BH14	10	10		@14' Color change to tan, some medium subround microcrystalline grey-brown dolomite gravel.
								(18-24') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, some large white crystalline gypsum inclusions (3-10cm), no stain, no odor.
Dry	444	0	No	BH14	15	15		@22' Increased gypsum inclusions.
							CL	
Dry	112	0	No	BH14	20	20		
Dry	<112	0	No	BH14	24	24		
						Total Depth		

eTECH	Sample Name: BH15	Date: 1/25/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3466065, -104.3085959	Hole Diameter: 3.75"	Total Depth: 20'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	2,924	0	No	BH15	0.5	0	CCHE	(0-2') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
							SP-SM	
Dry	1,696	0	No	BH15	4	5	SW-SM	(2-5') SAND, dry, brown, poorly graded with silt, fine grain, no stain, no odor.
Dry	<112	0	No	BH15	10	10		(5-13') SAND, dry, tan-light brown, well graded with silt, fine-coarse grain, abundant small-large subround-subangular microcrystalline grey dolomite gravel, no stain, no odor.
								(13-20') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, some large white crystalline gypsum inclusions (3-10cm), no stain, no odor.
							CL	@14' Color change to yellow-grey, increase in gypsum inclusions.
								@17' Color change to reddish brown.
Dry	<112	0	No	BH15	15	15		@22' Color change to yellow-grey.
Dry	<112	0	No	BH15	20	20		

Total Depth

eTECH	Sample Name: BH16	Date: 1/25/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3466065, -104.3085959	Hole Diameter: 3.75"	Total Depth: 20'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	832	0	No	BH16	0.5			(0-2') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
							SP-SM	
Dry	708	0	No	BH16	4			(2-10') SAND, dry, brown, poorly graded with silt, fine grain, trace small subround gravel, no stain, no odor.
						5		@4' Some tan mottling, trace white-pink crystalline gypsum grains.
								(10-13') SAND, dry, tan-light brown, well graded with silt, fine-coarse grain, abundant small-large subround-subangular microcrystalline grey dolomite gravel, no stain, no odor.
Dry	900	0	No	BH16	10	10	SW-SM	
								(13-19') SILTSTONE, dry, reddish brown, very fine grain, moderately consolidated, trace small white crystalline gypsum inclusions, no stain, no odor.
							SM-ST	
Dry	216	0	No	BH16	15	15		(19-20') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, some large white crystalline gypsum inclusions (3-10cm), no stain, no odor.
							CL	
Dry	<112	0	No	BH16	20	20		

Total Depth

eTECH	Sample Name: BH17	Date: 1/30/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3461639, -104.3089447	Hole Diameter: 3.75"	Total Depth: 24'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-7') SAND, dry, brown, poorly graded with silt, very fine-fine grain, trace small subround gravel, no stain, no odor.
Dry	<112	0	No	BH17	0.5			@3' Color change to tan-light brown, increased consolidation.
Dry	<112	0	No	BH17	4	5		(7-14') SAND, dry, tan-light brown, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
							SW-SM	(14-19') SILTSTONE, dry, reddish brown, fine grain, well consolidated, no stain, no odor.
Dry	112	0	No	BH17	10	10		@19' Very large subround microcrystalline grey dolomite gravel.
								(19-24') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, some large white crystalline gypsum inclusions (3-10cm), no stain, no odor.
Dry	356	0	No	BH17	15	15	SM-ST	
Dry	248	0	No	BH17	20	20	CL	
Dry	<112	0	No	BH17	24	24		
						Total Depth		

eTECH	Sample Name: BH18	Date: 1/29/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3461191, -104.3087600	Hole Diameter: 3.75"	Total Depth: 24'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-9') SAND, dry, brown, poorly graded with silt, very fine-fine grain, some small-large subround gravel, trace organics, no stain, no odor.
Dry	<112	0	No	BH18	0.5			
								@4' Decrease in gravel, increased consolidation, no organics.
Dry	900	0	No	BH18	4			
						5		(9-13') SAND, dry, tan-light reddish brown, well graded with silt, fine-coarse grain, abundant small-large subround gravel, abundant white-pink crystalline gypsum grains, moderately consolidated, no stain, no odor.
								(13-22') SILTSTONE, dry, light reddish brown, fine grain, well consolidated, abundant white crystalline gypsum grains, no stain, no odor.
Dry	<112	0	No	BH18	10	10	SW-SM	
								(22-24') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, some large white crystalline gypsum inclusions (3-10cm), no stain, no odor.
							SM-ST	
Dry	<112	0	No	BH18	15	15		
Dry	112	0	No	BH18	20	20	CL	
Dry	<112	0	No	BH18	24	24		
						Total Depth		

eTECH	Sample Name: BH19	Date: 1/25/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3466110, -104.3088827	Hole Diameter: 3.75"	Total Depth: 24'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	2,080	0	No	BH19	0.5	0	CCHE	(0-4') CALICHE, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
Dry	1,124	0	No	BH19	4	5		(4-24') SAND, dry, tan, well graded with silt, fine-coarse grain, abundant small-large subround-subangular microcrystalline grey dolomite gravel, no stain, no odor.
								@9' Abundant small-large subround-subangular microcrystalline grey dolomite gravel.
								@14' Color change toreddish brown, no dolomite gravel, some clay.
Dry	648	0	No	BH19	10	10		@18' Some small-large subround-subangular microcrystalline grey dolomite gravel.
Dry	832	0	No	BH19	15	15		
Dry	708	0	No	BH19	20	20		
Dry	316	0	No	BH19	24	24		
								Total Depth

eTECH	Sample Name: BH20	Date: 1/29-2/05/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3461526, -104.3087603	Hole Diameter: 3.75"	Total Depth: 29'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-9') SAND, dry, brown, poorly graded with silt, very fine-fine grain, some small-large subround gravel, trace organics, no stain, no odor.
Dry	<112	0	No	BH20	0.5			
Dry	<112	0	No	BH20	4			@4' Decrease in gravel, increased consolidation, no organics.
						5		(9-13') SAND, dry, tan-light reddish brown, well graded with silt, fine-coarse grain, abundant small-large subround gravel, abundant white-pink crystalline gypsum grains, moderately consolidated, no stain, no odor.
							SW-SM	
Dry	972	0	No	BH20	10	10		(13-22') SILTSTONE, dry, light reddish brown, fine grain, well consolidated, abundant white crystalline gypsum grains, no stain, no odor.
							SM-ST	(22-29') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, some large white crystalline gypsum inclusions (3-10cm), no stain, no odor.
Dry	488	0	No	BH20	15	15		
Dry	140	0	No	BH20	20	20		
							CL	
Dry	<112	0	No	BH20	24			
						25		
Dry	116	0	No	BH20	29	29		
								Total Depth

eTECH	Sample Name: BH21	Date: 1/30-2/06/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3462172, -104.3089436	Hole Diameter: 3.75"	Total Depth: 29'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-3') SAND, dry, brown, poorly graded with silt, very
Dry	<112	0	No	BH21	0.5			fine-fine grain, trace small subround gravel, no stain, no odor.
							SW-SM	
Dry	<112	0	No	BH21	4			(3-8') SAND, dry, tan, well graded with silt,
						5		fine-coarse grain, some small-large subround gravel, some brown mottling, no stain, no odor.
								(8-17') SAND, moist, reddish brown, poorly graded with silt,
							SP-SM	fine grain, some clay, no stain, no odor.
Dry	708	0	No	BH21	10	10		@10' Abundant large subround-subangular microcrystalline grey dolomite gravel.
								(17-27') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, abundant white crystalline gypsum inclusions, no stain, no odor.
Dry	708	0	No	BH21	15	15		(27-29') CALICHE, dry, tan, well graded with silt, fine-coarse grain, well consolidation, trace small subround gravel, no stain, no odor.
							CL	
Dry	<112	0	No	BH21	20	20		
Dry	<112	0	No	BH21	24			
						25		
							CCHE	
Dry	<112	0	No	BH21	29	29		
						Total Depth		

eTECH	Sample Name: BH22	Date: 1/30/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3469438, -104.3083222	Hole Diameter: 3.75"	Total Depth: 24'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-14') SAND, dry, tan-light brown, well graded with silt, fine-coarse grain, abundant small-large subround gravel, trace organics, no stain, no odor.
Dry	4,060	0	No	BH22	0.5			
								@2' No organics.
Dry	188	0	No	BH22	4			
						5		@9' Abundant small-large subround-subangular microcrystalline grey-beige dolomite gravel.
								(14-24') CLAY, dry, reddish brown, fine grain, medium plasticity, cohesive, abundant white crystalline gypsum inclusions, no stain, no odor.
								@19' Increased consolidation.
Dry	112	0	No	BH22	10	10		
							CL	
Dry	<122	0	No	BH22	15	15		
Dry	<112	0	No	BH22	20	20		
Dry	<112	0	No	BH22	24	24		
						Total Depth		

eTECH	Sample Name: BH23	Date: 1/30/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3470616, -104.3083273	Hole Diameter: 3.75"	Total Depth: 10'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-10') SAND, dry, tan-light brown, well graded with silt, fine-coarse grain, abundant small-large subround gravel, no stain, no odor.
Dry	2,924	0	No	BH23	0.5			
								@3' Color change to light brown-reddish brown, increased consolidation.
Dry	1,944	0	No	BH23	4			
						5		@9' Color change to tan.
Dry	164	0	No	BH23	10	10		

Total Depth

eTECH	Sample Name: BH24	Date: 1/30/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3471834, -104.3083218	Hole Diameter: 3.75"	Total Depth: 10'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-8') SAND, dry, tan-light brown, well graded with silt, fine-coarse grain, abundant small-large subround gravel, trace organics, no stain, no odor.
Dry	4,764	0	No	BH24	0.5			
								@2' Color change to tan-light brown, gravel increased in size, no organics.
Dry	540	0	No	BH24	4			
						5		@3' Large subround-subangular microcrystalline grey-beige dolomite boulder.
								(8-10') SAND, dry, brown, poorly graded with silt, fine grain, no stain, no odor.
							SP-SM	
Dry	112	0	No	BH24	10	10		
						Total Depth		

eTECH	Sample Name: BH25	Date: 1/31/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3470843, -104.3088218	Hole Diameter: 3.75"	Total Depth: 24'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-24') SAND, dry, brown, well graded with silt, fine-coarse grain, abundant small-large subround gravel, trace organics, no stain, no odor.
Dry	<112	0	No	BH25	0.5			
								@3' Color change to tan, gravel increased in size, no organics.
Dry	164	0	No	BH25	4			
						5		@8' Color change to light brown, increased consolidation, some clay.
								@13' Abundant large subround-subangular microcrystalline grey-beige dolomite gravel.
								@17' Color change to tan.
Dry	112	0	No	BH25	10	10		
Dry	<122	0	No	BH25	15	15		
Dry	112	0	No	BH25	20	20		
Dry	<112	0	No	BH25	24	24		
						Total Depth		

eTECH	Sample Name: BH26	Date: 1/31/2024
	Site Name: Barbados State #001 SWD	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: GM	Method: HSA
Site Coordinates: 32.3469385, -104.3090720	Hole Diameter: 3.75"	Total Depth: 24'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0	No	BH26	0.5	0	SW-SM	(0-24') SAND, dry, brown, well graded with silt, fine-coarse grain, abundant small-large subround gravel, trace organics, no stain, no odor.
Dry	<112	0	No	BH26	4	5		@2' Large subround boulders.
Dry	<112	0	No	BH26	10	10		@8' Color change to brown, increased consolidation, some clay, trace small subround gravel, no boulders.
Dry	<122	0	No	BH26	15	15		@14' Color change to tan, abundant large subround-subangular microcrystalline grey-beige dolomite gravel.
Dry	<112	0	No	BH26	20	20		
Dry	<112	0	No	BH26	24	24		
						Total Depth		

eTECH	Sample Name: BH27	Date: 09/10/2024
	Site Name: Barbados State #001	
	Incident Number: nAB1619656595	
	Job Number: 18178	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Sonic
Delineation Soil Sample Coordinates: 32.346141, -104.308518	Hole Diameter: 4 inches	Total Depth: 30 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-5') SAND, dry, light brown, poorly graded with silt, very fine-fine grain, trace organic, no stain, no odor.
Dry	<120	0	No	BH27	0.5			
						2	SW-SM	(2-21') SAND, dry, tan, well graded with some silt, fine to coarse, small to large gravel (2-12cm), subrounded to subangular, no stain, no odor.
Dry	<120	0	No	BH27	4			
						5		@5' Color change to brown.
Dry	120	0	No	BH27	10	10		@11.5' Color change to tan.
								(21-31') SAND, dry, reddish brown, poorly graded with abundant silt, very fine to fine, trace small gravel, no stain, no odor.
Dry	<120	0	No	BH27	15	15		@25' Color change to tan.
Dry	<120	0	No	BH27	20	20		
						21	SP-SM	
Dry	<120	0	No	BH27	25	25		
Dry	120	0	No	BH27	29			
					30	30		

Total Depth

eTECH	Sample Name: BH28	Date: 09/10/2024
	Site Name: Barbados State #001	
	Incident Number: nAB1619656595	
	Job Number: 18178	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Sonic
Delineation Soil Sample Coordinates: 32.346209, -104.308262	Hole Diameter: 4 inches	Total Depth: 30 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<120	0	No	BH28	0.5	0	SP-SM	(0-1') SAND, dry, light brown, poorly graded with silt, very fine-fine grain, trace organic, no stain, no odor.
						2	SW-SM	(2-21') SAND, dry, tan, well graded with some silt, fine to coarse, small to large gravel (2-12cm), subrounded to subangular, no stain, no odor.
Dry	<120	0	No	BH28	4			
						5		@5' Color change to brown.
Dry	120	0	No	BH28	10	10		@11.5' Color change to tan.
								(21-31') SAND, dry, reddish brown, poorly graded with abundant silt, very fine to fine, trace small gravel, no stain, no odor.
Dry	<120	0	No	BH28	15	15		@25' Color change to tan.
Dry	<120	0	No	BH28	20	20		
						21	SP-SM	
Dry	<120	0	No	BH28	25	25		
Dry	120	0	No	BH28	29			
					30	30		

Total Depth

eTECH	Sample Name: BH29	Date: 09/12/2024
	Site Name: Barbados State #001	
	Incident Number: nAB1619656595	
	Job Number: 18178	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Sonic
Delineation Soil Sample Coordinates: 32.346468, -104.308257	Hole Diameter: 4 inches	Total Depth: 30 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-25') SAND, dry, light brown, well graded with silt, fine-coarse grain, abundant small-large subangular to subrounded gravel (0.5-17cm), no stain, no odor.
Dry	<120	0	No	BH29	0.5			
								@4' Color change to tan.
Dry	<120	0	No	BH29	4			
						5		@15' Color change to light brown, decrease of large gravel, abundant small subrounded gravel (1-3cm).
Dry	<120	0.0	No	BH29	10	10		
								@18' Increase of silt, color change to reddish brown.
								@22.5 Color change to tan.
Dry	<120	0	No	BH29	15	15		
								(25-30') CLAY, dry, reddish brown, medium plasticity, cohesive some gypsum, no stain, no odor.
Dry	164	0	No	BH29	20	20		@28.5' Abundant gypsum.
Dry	120	0	No	BH29	25	25	CL	
Dry	120	0	No	BH29	29			
					30	30		

Total Depth

eTECH	Sample Name: BH30	Date: 09/12/2024	
	Site Name: Barbados State #001		
	Incident Number: nAB1619656595		
	Job Number: 18178		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Sonic	
Delineation Soil Sample Coordinates: 32.3466616, -104.3082438	Hole Diameter: 4 inches	Total Depth: 30 feet	

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-2') SAND, dry, light brown, poorly graded with some silt, very fine-fine grain, trace organic, no stain, no odor.
Dry	<120	0	No	BH30	0.5			
						2	SW-SM	(2-21') SAND, dry, tan, well graded with some silt, fine to coarse, small to large gravel (2-12cm), subrounded to subangular, no stain, no odor.
Dry	<120	0	No	BH30	4			
						5		@5' Color change to brown.
Dry	<120	0.0	No	BH30	10	10		@11.5' Color change to tan.
								(21-31') SAND, dry, reddish brown, poorly graded with abundant silt, very fine to fine, trace small gravel, no stain, no odor.
Dry	<120	0	No	BH30	15	15		@25' Color change to tan.
Dry	164	0	No	BH30	20	20		
						21	SP-SM	
Dry	120	0	No	BH30	25	25		
Dry	120	0	No	BH30	29			
					30	30		

Total Depth

eTECH	Sample Name: BH31	Date: 09/10/2024
	Site Name: Barbados State #001	
	Incident Number: nAB1619656595	
	Job Number: 18178	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Sonic
Delineation Soil Sample Coordinates: 32.3468704, -104.3086060	Hole Diameter: 4 inches	Total Depth: 30 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<120	0	No	BH31	0.5	0	SP-SM	(0-1') SAND, dry, light brown, poorly graded with silt, very fine-fine grain, trace organic, no stain, no odor.
						2	SW-SM	(2-21') SAND, dry, tan, well graded with some silt, fine to coarse, small to large gravel (2-12cm), subrounded to subangular, no stain, no odor.
Dry	<120	0	No	BH31	4			
						5		@5' Color change to brown.
Dry	120	0	No	BH31	10	10		@11.5' Color change to tan.
								(21-31') SAND, dry, reddish brown, poorly graded with abundant silt, very fine to fine, trace small gravel, no stain, no odor.
Dry	<120	0	No	BH31	15	15		@25' Color change to tan.
Dry	<120	0	No	BH31	20	20		
						21	SP-SM	
Dry	<120	0	No	BH31	25	25		
Dry	120	0	No	BH31	29			
					30	30		

Total Depth

eTECH	Sample Name: BH32	Date: 09/12/2024	
	Site Name: Barbados State #001		
	Incident Number: nAB1619656595		
	Job Number: 18178		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Sonic	
Delineation Soil Sample Coordinates: 32.3471529, -104.3080875	Hole Diameter: 4 inches	Total Depth: 30 feet	

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<120	0	No	BH32	0.5	0	SP-SM	(0-1') SAND, dry, light brown, poorly graded with some silt, very fine-fine grain, trace organic, no stain, no odor.
						2	SW-SM	(2-21') SAND, dry, tan, well graded with some silt, fine to coarse, small to large gravel (2-12cm), subrounded to subangular, no stain, no odor.
Dry	<120	0	No	BH32	4			
						5		@5' Color change to brown.
Dry	<120	0.0	No	BH32	10	10		@11.5' Color change to tan.
								(21-31') SAND, dry, reddish brown, poorly graded with abundant silt, very fine to fine, trace small gravel, no stain, no odor.
Dry	<120	0	No	BH32	15	15		@25' Color change to tan.
Dry	164	0	No	BH32	20	20		
						21	SP-SM	
Dry	120	0	No	BH32	25	25		
Dry	120	0	No	BH32	29			
					30	30		

Total Depth

eTECH	Sample Name: BH33	Date: 09/10/2024	
	Site Name: Barbados State #001		
	Incident Number: nAB1619656595		
	Job Number: 18178		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Sonic	
Delineation Soil Sample Coordinates: 32.3474454, -104.3081484	Hole Diameter: 4 inches	Total Depth: 30 feet	

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<120	0	No	BH33	0.5	0	SP-SM	(0-1') SAND, dry, light brown, poorly graded with silt, very fine-fine grain, trace organic, no stain, no odor.
						2	SW-SM	(2-21') SAND, dry, tan, well graded with some silt, fine to coarse, small to large gravel (2-12cm), subrounded to subangular, no stain, no odor.
Dry	<120	0	No	BH33	4			
						5		@5' Color change to brown.
Dry	120	0	No	BH33	10	10		@11.5' Color change to tan.
								(21-31') SAND, dry, reddish brown, poorly graded with abundant silt, very fine to fine, trace small gravel, no stain, no odor.
Dry	<120	0	No	BH33	15	15		@25' Color change to tan.
Dry	<120	0	No	BH33	20	20		
						21	SP-SM	
Dry	<120	0	No	BH33	25	25		
Dry	120	0	No	BH33	29			
					30	30		

Total Depth

eTECH	Sample Name: BH34	Date: 09/12/2024
	Site Name: Barbados State #001	
	Incident Number: nAB1619656595	
	Job Number: 18178	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Sonic
Delineation Soil Sample Coordinates: 32.3476985, -104.308047	Hole Diameter: 4 inches	Total Depth: 30 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-25') SAND, dry, light brown, well graded with silt, fine-coarse grain, abundant small-large subangular to subrounded gravel (0.5-17cm), no stain, no odor.
Dry	<120	0	No	BH34	0.5			
								@4' Color change to tan.
Dry	<120	0	No	BH34	4			
						5		@15' Color change to light brown, decrease of large gravel, abundant small subrounded gravel (1-3cm).
Dry	<120	0	No	BH34	10	10		
								@18' Increase of silt, color change to reddish brown.
								@22.5 Color change to tan.
Dry	<120	0	No	BH34	15	15		
								(25-30') CLAY, dry, reddish brown, medium plasticity, cohesive some gypsum, no stain, no odor.
Dry	164	0	No	BH34	20	20		@28.5' Abundant gypsum.
Dry	120	0	No	BH34	25	25	CL	
Dry	120	0	No	BH34	29			
					30	30		

Total Depth

eTECH	Sample Name: BH35	Date: 09/12/2024	
	Site Name: Barbados State #001		
	Incident Number: nAB1619656595		
	Job Number: 18178		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Sonic	
Delineation Soil Sample Coordinates: 32.3478521, -104.3086932	Hole Diameter: 4 inches	Total Depth: 30 feet	

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<120	0	No	BH35	0.5	0	SP-SM	(0-1') SAND, dry, light brown, poorly graded with some silt, very fine-fine grain, trace organic, no stain, no odor.
						2	SW-SM	(2-21') SAND, dry, tan, well graded with some silt, fine to coarse, small to large gravel (2-12cm), subrounded to subangular, no stain, no odor.
Dry	<120	0	No	BH35	4			
						5		@5' Color change to brown.
Dry	<120	0	No	BH35	10	10		@11.5' Color change to tan.
Dry	<120	0	No	BH35	15	15		(21-31') SAND, dry, reddish brown, poorly graded with abundant silt, very fine to fine, trace small gravel, no stain, no odor.
								@25' Color change to tan.
Dry	164	0	No	BH35	20	20		
						21	SP-SM	
Dry	120	0	No	BH35	25	25		
Dry	120	0	No	BH35	29			
					30	30		

Total Depth

eTECH	Sample Name: BH36	Date: 09/12/2024	
	Site Name: Barbados State #001		
	Incident Number: nAB1619656595		
	Job Number: 18178		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Sonic	
Delineation Soil Sample Coordinates: 32.3475472, -104.3087730	Hole Diameter: 4 inches	Total Depth: 30 feet	

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<120	0	No	BH36	0.5	0	SP-SM	(0-2') SAND, dry, light brown, poorly graded with some silt, very fine-fine grain, trace organic, no stain, no odor.
						2	SW-SM	(2-21') SAND, dry, tan, well graded with some silt, fine to coarse, small to large gravel (2-12cm), subrounded to subangular, no stain, no odor.
Dry	<120	0	No	BH36	4			
						5		@5' Color change to brown.
Dry	<120	0	No	BH36	10	10		@11.5' Color change to tan.
Dry	<120	0	No	BH36	15	15		(21-31') SAND, dry, reddish brown, poorly graded with abundant silt, very fine to fine, trace small gravel, no stain, no odor.
Dry	164	0	No	BH36	20	20		@25' Color change to tan,
						21	SP-SM	
Dry	120	0	No	BH36	25	25		
Dry	120	0	No	BH36	29			
					30	30		

Total Depth

eTECH	Sample Name: BH37	Date: 09/12/2024
	Site Name: Barbados State #001	
	Incident Number: nAB1619656595	
	Job Number: 18178	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Sonic
Delineation Soil Sample Coordinates: 32.3473304, -104.3086364	Hole Diameter: 4 inches	Total Depth: 30 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-25') SAND, dry, light brown, well graded with silt, fine-coarse grain, abundant small-large subangular to subrounded gravel (0.5-17cm), no stain, no odor.
Dry	<120	0	No	BH37	0.5			
								@4' Color change to tan.
Dry	<120	0	No	BH37	4			
						5		@15' Color change to light brown, decrease of large gravel, abundant small subrounded gravel (1-3cm).
Dry	<120	0	No	BH37	10	10		
								@18' Increase of silt, color change to reddish brown.
								@22.5 Color change to tan.
Dry	<120	0	No	BH37	15	15		
								(25-30') CLAY, dry, reddish brown, medium plasticity, cohesive some gypsum, no stain, no odor.
Dry	164	0	No	BH37	20	20		@28.5' Abundant gypsum.
Dry	120	0	No	BH37	25	25	CL	
Dry	120	0	No	BH37	29			
					30	30		

Total Depth

eTECH	Sample Name: BH38	Date: 09/12/2024	
	Site Name: Barbados State #001		
	Incident Number: nAB1619656595		
	Job Number: 18178		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Sonic	
Delineation Soil Sample Coordinates: 32.3471021, -104.3086645	Hole Diameter: 4 inches	Total Depth: 30 feet	

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-1') SAND, dry, light brown, poorly graded with some silt, very fine-fine grain, trace organic, no stain, no odor.
Dry	<120	0	No	BH38	0.5			
						2	SW-SM	(2-21') SAND, dry, tan, well graded with some silt, fine to coarse, small to large gravel (2-12cm), subrounded to subangular, no stain, no odor.
Dry	<120	0	No	BH38	4			
						5		@5' Color change to brown.
Dry	<120	0	No	BH38	10	10		@11.5' Color change to tan.
								(21-31') SAND, dry, reddish brown, poorly graded with abundant silt, very fine to fine, trace small gravel, no stain, no odor.
Dry	<120	0	No	BH38	15	15		@25' Color change to tan.
Dry	164	0	No	BH38	20	20		
						21	SP-SM	
Dry	120	0	No	BH38	25	25		
Dry	120	0	No	BH38	29			
					30	30		

Total Depth

eTECH	Sample Name: BH39	Date: 09/12/2024	
	Site Name: Barbados State #001		
	Incident Number: nAB1619656595		
	Job Number: 18178		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Sonic	
Delineation Soil Sample Coordinates: 32.346839, -104.309182	Hole Diameter: 4 inches	Total Depth: 30 feet	

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<120	0	No	BH39	0.5	0	SP-SM	(0-1') SAND, dry, light brown, poorly graded with some silt, very fine-fine grain, trace organic, no stain, no odor.
						2	SW-SM	(1-21') SAND, dry, tan, well graded with some silt, fine to coarse, small to large gravel (2-12cm), subrounded to subangular, no stain, no odor.
Dry	<120	0	No	BH39	4			
						5		@5' Color change to brown.
Dry	<120	0	No	BH39	10	10		@11.5' Color change to tan.
								(21-31') SAND, dry, reddish brown, poorly graded with abundant silt, very fine to fine, trace small gravel, no stain, no odor.
Dry	<120	0	No	BH39	15	15		@25' Color change to tan.
Dry	164	0	No	BH39	20	20		
						21	SP-SM	
Dry	120	0	No	BH39	25	25		
Dry	120	0	No	BH39	29			
					30	30		

Total Depth

eTECH	Sample Name: BH40	Date: 09/12/2024
	Site Name: Barbados State #001	
	Incident Number: nAB1619656595	
	Job Number: 18178	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Sonic
Delineation Soil Sample Coordinates: 32.3466341, -104.3091920	Hole Diameter: 4 inches	Total Depth: 30 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-25') SAND, dry, light brown, well graded with silt, fine-coarse grain, abundant small-large subangular to subrounded gravel (0.5-17cm), no stain, no odor.
Dry	<120	0	No	BH40	0.5			
								@4' Color change to tan.
Dry	<120	0	No	BH40	4			
						5		@15' Color change to light brown, decrease of large gravel, abundant small subrounded gravel (1-3cm).
Dry	<120	0	No	BH40	10	10		
								@18' Increase of silt, color change to reddish brown.
								@22.5 Color change to tan.
Dry	<120	0	No	BH40	15	15		
								(25-30') CLAY, dry, reddish brown, medium plasticity, cohesive some gypsum, no stain, no odor.
Dry	164	0	No	BH40	20	20		@28.5' Abundant gypsum.
Dry	120	0	No	BH40	25	25	CL	
Dry	120	0	No	BH40	29			
					30	30		

Total Depth

eTECH	Sample Name: BH41	Date: 09/12/2024
	Site Name: Barbados State #001	
	Incident Number: nAB1619656595	
	Job Number: 18178	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Sonic
Delineation Soil Sample Coordinates: 32.3465192, -104.3092861	Hole Diameter: 4 inches	Total Depth: 30 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-25') SAND, dry, light brown, well graded with silt, fine-coarse grain, abundant small-large subangular to subrounded gravel (0.5-17cm), no stain, no odor.
Dry	<120	0	No	BH41	0.5			
								@4' Color change to tan.
Dry	<120	0	No	BH41	4			
						5		@15' Color change to light brown, decrease of large gravel, abundant small subrounded gravel (1-3cm).
Dry	<120	0	No	BH41	10	10		
								@18' Increase of silt, color change to reddish brown.
								@22.5 Color change to tan.
Dry	<120	0	No	BH41	15	15		
								(25-30') CLAY, dry, reddish brown, medium plasticity, cohesive some gypsum, no stain, no odor.
Dry	164	0	No	BH41	20	20		@28.5' Abundant gypsum.
Dry	120	0	No	BH41	25	25	CL	
Dry	120	0	No	BH41	29			
					30	30		

Total Depth

eTECH	Sample Name: BH42	Date: 09/12/2024	
	Site Name: Barbados State #001		
	Incident Number: nAB1619656595		
	Job Number: 18178		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Sonic	
Delineation Soil Sample Coordinates: 32.3463286, -104.3092528	Hole Diameter: 4 inches	Total Depth: 30 feet	

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP-SM	(0-1') SAND, dry, light brown, poorly graded with some silt, very fine-fine grain, trace organic, no stain, no odor.
Dry	<120	0	No	BH42	0.5			very fine-fine grain, trace organic, no stain, no odor.
						2	SW-SM	(1-21') SAND, dry, tan, well graded with some silt, fine to coarse, small to large gravel (2-12cm), subrounded to subangular, no stain, no odor.
Dry	<120	0	No	BH42	4			
						5		@5' Color change to brown.
Dry	<120	0	No	BH42	10	10		@11.5' Color change to tan.
Dry	<120	0	No	BH42	15	15		(21-31') SAND, dry, reddish brown, poorly graded with abundant silt, very fine to fine, trace small gravel, no stain, no odor.
								@25' Color change to tan.
Dry	164	0	No	BH42	20	20		
							SP-SM	
Dry	120	0	No	BH42	25	25		
Dry	120	0	No	BH42	29			
					30	30		

Total Depth

eTECH	Sample Name: BH43	Date: 09/10/2024	
	Site Name: Barbados State #001		
	Incident Number: nAB1619656595		
	Job Number: 18178		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Sonic	
Delineation Soil Sample Coordinates: 32.3462693, -104.3083116	Hole Diameter: 4 inches	Total Depth: 30 feet	

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<120	0	No	BH43	0.5	0	SP-SM	(0-5') SAND, dry, light brown, poorly graded with silt, very fine-fine grain, trace organic, no stain, no odor.
						2	SW-SM	(2-21') SAND, dry, tan, well graded with some silt, fine to coarse, small to large gravel (2-12cm), subrounded to subangular, no stain, no odor.
Dry	<120	0	No	BH43	4			
						5		@5' Color change to brown.
Dry	120	0	No	BH43	10	10		@11.5' Color change to tan.
								(21-31') SAND, dry, reddish brown, poorly graded with abundant silt, very fine to fine, trace small gravel, no stain, no odor.
Dry	<120	0	No	BH43	15	15		@25' Color change to tan.
Dry	<120	0	No	BH43	20	20		
						21	SP-SM	
Dry	<120	0	No	BH43	25	25		
Dry	120	0	No	BH43	29			
					30	30		

Total Depth

eTECH	Sample Name: BH44	Date: 07/17/2025, 07/25/2025
	Site Name: Barbados State #001	
	Incident Number: nAB1619656595	
	Job Number: 18178	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Air Rotary/ HSA
Delineation Soil Sample Coordinates: 32.3475508, -104.3085387	Hole Diameter: 4 inches	Total Depth: 55 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-20') SAND, dry, brown, well graded with silt, very
Dry	<112	0	No	BH44	0.5			fine- coarse grain, abundant subround to well rounded
Dry	2,180							gravel, trace organic, no stain, no odor.
Dry	2,352	0	No	BH44	5	5		@ 5' Color Change to light brown.
								@15' Increase of consolidation change of color to tan.
Dry	1,520	0	No	BH44	10	10		
Dry	300	0	No	BH44	15	15		
Dry	268	0	No	BH44	20	20		@20' increase in gravel
Dry	<112	0	No	BH44	25	25		
Dry	<112	0	No	BH44	30	30	GYP	(30-33') GYPSUM, dry, chalky white, abundant gypsum crystalline,
							CL	trace brown clay, well consolidated, no stain, no odor
								(33-55') CLAY, dry, dark brown, medium plasticity, moderately
Dry	<112	0	No	BH44	35	35		consolidated, abundant gypsum crystalline, no stain,
								no odor
Dry	<112	0	No	BH44	40	40		

eTECH	Sample Name: BH44	Date: 07/17/2025, 07/25/2025
	Site Name: Barbados State #001	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Air Rotary/ HSA
Delineation Soil Sample Coordinates: 32.3475508, -104.3085387	Hole Diameter: 4 inches	Total Depth: 55 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0.0	No	BH44	45	45	CL	(33-55') CLAY, dry, dark brown, medium plasticity, moderately consolidated, abundant gypsum crystalline, no stain, no odor
Dry	<112	0.0	No	BH44	50	50		@ 51' Increase in gypsum
Dry	<112	0.0	No	BH44	55	55		

Total Depth

eTECH	Sample Name: BH45	Date: 07/17/2025, 07/25/2025
	Site Name: Barbados State #001	
	Incident Number: nAB1619656595	
	Job Number: 18178	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Air Rotary/ HSA
Delineation Soil Sample Coordinates: 32.347649, -104.308898	Hole Diameter: 4 inches	Total Depth: 60 feet

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	
Dry	<112	0	No	BH45	0.5			(0-25') SAND, dry, light brown, well graded with silt, very fine-coarse grain, abundant subround to well rounded gravel, trace organic, no stain, no odor.
	924	0.0	No	BH45	1			
Dry	1,628	0	No	BH45	5	5		@ 10' Color Change to tan.
								@15' Increase of consolidation change of color to tan.
Dry	1,152	0	No	BH45	10	10		
Dry	156	0	No	BH45	15	15		
Dry	184	0	No	BH45	20	20		@20' increase in gravel
Dry	<112	0	No	BH45	25	25	GYP	(25-60') GYPSUM, dry, chalky grey, well consolidated with trace mud, well crystalized (obvious cleavage), no stain, no odor.
Dry	<112	0	No	BH45	30	30		@ 30' Split spoon came out empty (no sample).
Dry	<112	0	No	BH45	35	35		
Dry	<112	0	No	BH45	40	40		

eTECH	Sample Name: BH45	Date: 07/17/2025, 07/25/2025
	Site Name: Barbados State #001	
	Incident Number: nAB1619656595	
	Job Number: 18172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Air Rotary/ HSA
Delineation Soil Sample Coordinates: 32.347649, -104.308898	Hole Diameter: 4 inches	Total Depth: 60 feet

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

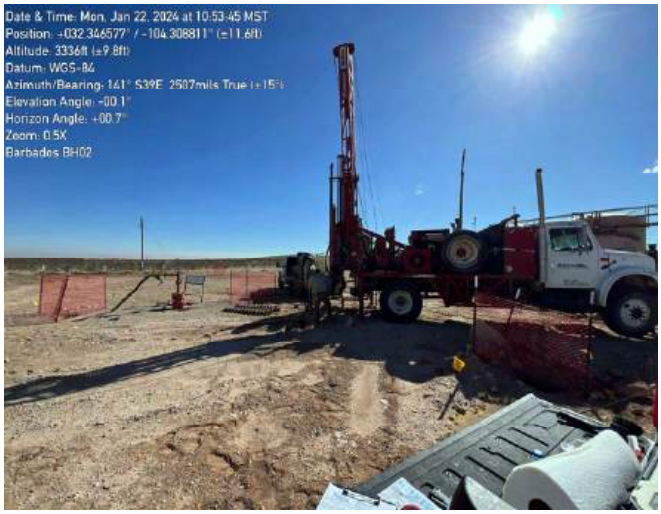
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0.0	No	BH45	45	45	GYP	(25-60') GYPSUM, dry, chalky grey, well consolidated with trace mud, well crystalized (obvious cleavage), no stain, no odor.
Dry	<112	0.0	No	BH45	50	50		@ 50' Color change to chalky white.
Dry	<112	0.0	No	BH45	55	55		
Dry	<112	0.0	No	BH45	60	60		

Total Depth

APPENDIX G

Photographic Log

PHOTOGRAPHIC LOG
WPX Energy Permian, LLC
Barbados State #001 SWD
Incident Number nAB1619656595



Photograph 1 **Date: 01/22/2024**
Description: Southeastern view of Delineation activities near BH02.



Photograph 2 **Date: 01/23/2024**
Description: Western view of Delineation activities near BH06.



Photograph 3 **Date: 01/25/2024**
Description: Northeastern view of Delineation activities near BH16.



Photograph 4 **Date: 01/29/2024**
Description: Southeastern view of Delineation activities near BH18.

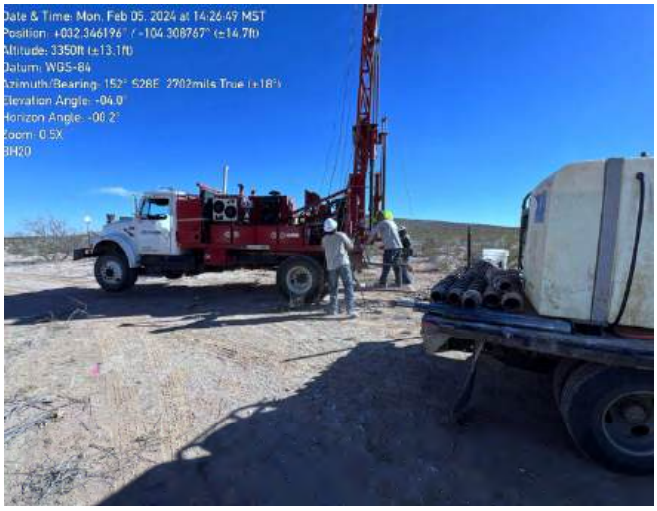
PHOTOGRAPHIC LOG
WPX Energy Permian, LLC
Barbados State #001 SWD
Incident Number nAB1619656595



Photograph 5 **Date: 01/30/2024**
Description: Southwestern view of Delineation activities near BH23.



Photograph 6 **Date: 01/31/2024**
Description: Southwestern view of Delineation activities near BH25.



Photograph 7 **Date: 02/05/2024**
Description: Southeastern view of Delineation activities near BH20.



Photograph 8 **Date: 02/06/2024**
Description: Eastern view of Delineation activities near BH21.

PHOTOGRAPHIC LOG
WPX Energy Permian, LLC
Barbados State #001 SWD
Incident Number nAB1619656595



Photograph 5 **Date: 09/09/2024**
Description: Southeastern view of Delineation activities near BH28.



Photograph 6 **Date: 09/10/2024**
Description: Southwestern view of Delineation activities near BH30.

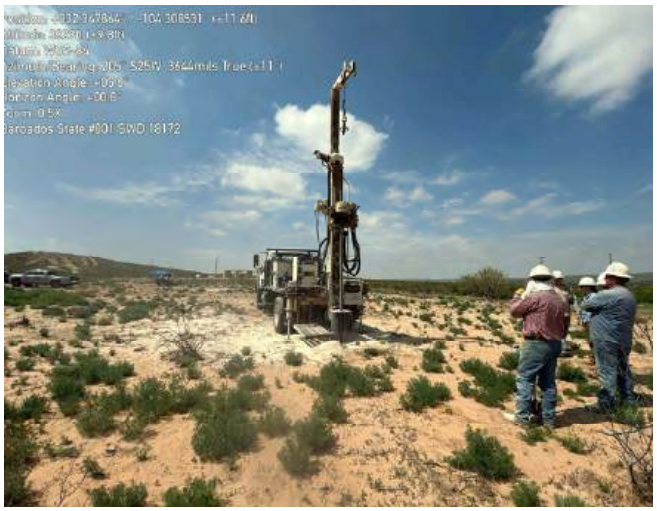


Photograph 7 **Date: 09/11/2024**
Description: Southeastern view of Delineation activities near BH37.



Photograph 8 **Date: 09/12/2024**
Description: Northwestern view of Delineation activities near BH02.

PHOTOGRAPHIC LOG
Devon Energy Production Company
Barbados State #001 SWD
Incident Number nAB1619656595



Photograph 9 **Date: 07/17/2025**
Description: Southwestern view of karst-void investigation activities.



Photograph 10 **Date: 07/25/2025**
Description: View of karst-void investigation activities.



Photograph 11 **Date: 07/25/2025**
Description: Northwestern view of karst-void investigation activities.



Photograph 12 **Date: 07/25/2025**
Description: Southeastern view of karst-void investigation activities.

APPENDIX H

Tables

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
Barbados State #001
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total GRO & DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**1,000**	**2,500**	**10,000**
Delineation Soil Samples - nAB161956595										
BH01*	07/06/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	**4,060**
BH01	07/06/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	434
BH01	07/06/2023	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,060
BH01	07/06/2023	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,840
BH01	07/06/2023	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	2,790
BH01	07/06/2023	18	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	2,320
BH01	07/06/2023	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,210
BH01	01/24/2024	22	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	248
BH01	01/24/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH02*	07/06/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	**3,480**
BH02	07/06/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,040
BH02	01/24/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	258
BH02	01/24/2024	14	<0.0250	<0.0500	<20.0	78.1	<50.0	78.1	78.1	179
BH02	01/24/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	2,430
BH02	01/24/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,790
BH02	09/12/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	146
BH03*	01/24/2024	0.5	<0.0250	<0.0500	<20.0	26.8	<50.0	26.8	26.8	**5,020**
BH03	01/24/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	693
BH03	01/24/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,010
BH03	01/24/2024	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,840
BH03	01/24/2024	19	<0.0250	<0.0500	<20.0	29.5	<50.0	29.5	29.5	249
BH03	01/24/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH04*	01/24/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	**1,860**
BH04	01/24/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	988
BH04	01/24/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	4,850
BH04	01/24/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	4,080
BH04	01/24/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	2,120
BH04	02/05/2024	24	<0.0250	<0.0500	<20.0	25.2	<50.0	25.2	25.2	239
BH04	02/05/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	204
BH05*	01/24/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	**4,120**

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
Barbados State #001
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total GRO & DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**1,000**	**2,500**	**10,000**
Delineation Soil Samples - nAB161956595										
BH05	01/24/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	461
BH05	01/24/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	246
BH05	01/24/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	175
BH05	01/24/2024	19	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,430
BH05	01/24/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	348
BH06*	01/24/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	93.8
BH06	01/24/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	211
BH06	01/24/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	79.2
BH06	01/24/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	142
BH06	01/24/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	654
BH06	01/24/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,010
BH06	02/05/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH07*	01/24/2024	0.5	<0.0250	<0.0500	<20.0	1,810	1,060	**1,810**	**2,870**	**2,800**
BH07	01/24/2024	4	<0.0250	<0.0500	<20.0	165	122	165	287	484
BH07	01/24/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	129
BH07	01/24/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	302
BH07	01/24/2024	19	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	576
BH08*	01/24/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	**3,060**
BH08	01/24/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	279
BH08	01/24/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	162
BH08	01/24/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	409
BH08	01/24/2024	19	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	311
BH08	02/06/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	791
BH08	02/06/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	489
BH09*	01/24/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	**2,330**
BH09	01/24/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	2,200
BH09	01/24/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,610
BH09	01/24/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH09	01/24/2024	19	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	259
BH09	01/24/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	288

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
Barbados State #001
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total GRO & DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**1,000**	**2,500**	**10,000**
Delineation Soil Samples - nAB161956595										
BH10*	01/24/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	**1,680**
BH10	01/24/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,430
BH10	01/24/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	3,040
BH10	01/24/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	2,410
BH10	01/24/2024	19	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	861
BH10	02/05/2024	24	<0.0250	<0.0500	<20.0	27.1	<50.0	27.1	27.1	<200
BH10	02/05/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH11*	01/24/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	**1,780**
BH11	01/24/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	902
BH11	01/24/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,570
BH11	01/24/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	956
BH11	01/24/2024	19	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	436
BH11	02/05/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	544
BH11	02/05/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	276
BH12*	01/24/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	**3,270**
BH12	01/24/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	133
BH12	01/24/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	3,500
BH12	01/24/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	430
BH12	01/24/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH12	01/24/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	339
BH13*	01/24/2024	0.5	<0.0250	<0.0500	<20.0	145	<250	145	**145**	**4,000**
BH13	01/24/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	138
BH13	01/24/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	455
BH13	01/24/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH13	02/06/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH13	02/06/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	239
BH13	02/06/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	237
BH14*	01/25/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	**3,670**
BH14	01/25/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,060
BH14	01/25/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,550

Table 1
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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total GRO & DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**1,000**	**2,500**	**10,000**
Delineation Soil Samples - nAB161956595										
BH14	01/25/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	734
BH14	01/25/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	424
BH14	01/25/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	180
BH15*	01/25/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	**4,830**
BH15	01/25/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	2,650
BH15	01/25/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	198
BH15	01/25/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	262
BH15	01/25/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<100
BH16*	01/25/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	**1,660**
BH16	01/25/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,250
BH16	01/25/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,580
BH16	01/25/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	522
BH16	01/25/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<100
BH17*	01/30/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
BH17	01/30/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	98.6
BH17	01/30/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	176
BH17	01/30/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	532
BH17	01/30/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	291
BH17	01/30/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	242
BH18*	01/29/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
BH18	01/29/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	63.5
BH18	01/29/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH18	01/29/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH18	01/29/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH18	01/29/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	281
BH19*	01/25/2024	0.5	<0.0250	<0.0500	<20.0	39.8	<50.0	39.8	39.8	**4,320**
BH19	01/25/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,970
BH19	01/25/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,250
BH19	01/25/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	3,290
BH19	01/25/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,630

Table 1
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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total GRO & DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**1,000**	**2,500**	**10,000**
Delineation Soil Samples - nAB161956595										
BH19	01/25/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH20*	01/29/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
BH20	01/29/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	99.9
BH20	01/29/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,530
BH20	01/29/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,060
BH20	01/29/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	962
BH20	02/05/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	328
BH20	02/05/2024	29	<0.0260	<0.0520	<20.0	<25.0	<50.0	<20.0	<50.0	252
BH21*	01/30/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
BH21	01/30/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	72.1
BH21	01/30/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	2,250
BH21	01/30/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,790
BH21	01/30/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<100
BH21	02/06/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH21	02/06/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH22*	01/30/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	**5,040**
BH22	01/30/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	312
BH22	01/30/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	134
BH22	01/30/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	106
BH22	01/30/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<100
BH22	01/30/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<100
BH23*	01/30/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	**4,340**
BH23	01/30/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	2,550
BH23	01/30/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	338
BH24*	01/31/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	**6,150**
BH24	01/31/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	756
BH24	01/31/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	283
BH25*	01/31/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	46.5
BH25	01/31/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	166
BH25	01/31/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	449

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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total GRO & DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**1,000**	**2,500**	**10,000**
Delineation Soil Samples - nAB161956595										
BH25	01/31/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	116
BH25	01/31/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	136
BH25	01/31/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	49.5
BH26*	01/31/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
BH26	01/31/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	45.6
BH26	01/31/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	131
BH26	01/31/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	61.1
BH26	01/31/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	73.7
BH26	01/31/2024	24	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	45.9
BH27*	09/09/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	25.0
BH27	09/09/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<100
BH27	09/09/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH27	09/09/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH27	09/09/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH27	09/09/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH27	09/09/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH28*	09/09/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
BH28	09/09/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH28	09/09/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH28	09/09/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH28	09/09/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH28	09/09/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH28	09/09/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH29*	09/10/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	46.6
BH29	09/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	170
BH29	09/10/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH29	09/10/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH29	09/10/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH29	09/10/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH29	09/10/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
Barbados State #001
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total GRO & DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**1,000**	**2,500**	**10,000**
Delineation Soil Samples - nAB161956595										
BH30*	09/10/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	328
BH30	09/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH30	09/10/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH30	09/10/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	204
BH30	09/10/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH30	09/10/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH30	09/10/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	227
BH31*	09/10/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH31	09/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH31	09/10/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH31	09/10/2024	15	<0.0500	<0.100	<40.0	<25.0	<50.0	<25.0	<50.0	<200
BH31	09/10/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH31	09/10/2024	25	<0.0500	<0.100	<40.0	<25.0	<50.0	<25.0	<50.0	<200
BH31	09/10/2024	29	<0.0500	<0.100	<40.0	<25.0	<50.0	<25.0	<50.0	<200
BH32*	09/10/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	190
BH32	09/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	113
BH32	09/10/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	108
BH32	09/10/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	115
BH32	09/10/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	114
BH32	09/10/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	117
BH32	09/10/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	106
BH33*	09/10/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
BH33	09/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	29.4
BH33	09/10/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH33	09/10/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	23.8
BH33	09/10/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	107
BH33	09/10/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH33	09/10/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH34*	09/09/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	55.2
BH34	09/09/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	53.2

Table 1
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WPX Energy Permian, LLC
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Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total GRO & DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**1,000**	**2,500**	**10,000**
Delineation Soil Samples - nAB161956595										
BH34	09/09/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	37.8
BH34	09/09/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	52.3
BH34	09/09/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	119
BH34	09/09/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH34	09/09/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH35*	09/09/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
BH35	09/09/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	29.6
BH35	09/09/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	39.8
BH35	09/09/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	24.3
BH35	09/09/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	109
BH35	09/09/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	115
BH35	09/09/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH36*	09/09/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	41.7
BH36	09/09/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	64.1
BH36	09/09/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
BH36	09/09/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
BH36	09/09/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	36.4
BH36	09/09/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
BH36	09/09/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	114
BH37*	09/11/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
BH37	09/11/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
BH37	09/11/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	50
BH37	09/11/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	112
BH37	09/11/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	82
BH37	09/11/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	44
BH37	09/11/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	38
BH38*	09/11/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
BH38	09/11/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
BH38	09/11/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	116
BH38	09/11/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	135

Table 1
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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total GRO & DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**1,000**	**2,500**	**10,000**
Delineation Soil Samples - nAB161956595										
BH38	09/11/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	112
BH38	09/11/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	45
BH38	09/11/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	48
BH39*	09/12/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
BH39	09/12/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	73.1
BH39	09/12/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	76.3
BH39	09/12/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	73.6
BH39	09/12/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	178
BH39	09/12/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	34.0
BH39	09/12/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	42.4
BH40*	09/12/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
BH40	09/12/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	176
BH40	09/12/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	184
BH40	09/12/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	188
BH40	09/12/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	135
BH40	09/12/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	181
BH40	09/12/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	35.3
BH41*	09/12/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
BH41	09/12/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	39.8
BH41	09/12/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	40.7
BH41	09/12/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	187
BH41	09/12/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	94.8
BH41	09/12/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	114
BH41	09/12/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	106
BH42*	09/12/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	22.1
BH42	09/12/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	191
BH42	09/12/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	35.3
BH42	09/12/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	71.5
BH42	09/12/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	149
BH42	09/12/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	184

Table 1
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Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total GRO & DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**1,000**	**2,500**	**10,000**
Delineation Soil Samples - nAB161956595										
BH42	09/12/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	113
BH43*	09/10/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	107
BH43	09/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	78.8
BH43	09/10/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH43	09/10/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH43	09/10/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH43	09/10/2024	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH43	09/10/2024	29	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH44*	07/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	106
BH44*	07/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	**2,760**
BH44	07/17/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	3,190
BH44	07/17/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,710
BH44	07/17/2025	15	<0.0250	<0.0500	<20.0	32.3	<50.0	32.3	32.3	436
BH44	07/17/2025	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	242
BH44	07/25/2025	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	72.2
BH44	07/25/2025	30	<0.0250	<0.0500	<20.0	41.8	<50.0	41.8	41.8	<100
BH44	07/25/2025	35	<0.0250	<0.0500	<20.0	201	248	201	449	<200
BH44	07/25/2025	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH44	07/25/2025	45	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH44	07/25/2025	50	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH44	07/25/2025	55	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH45*	07/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
BH45*	07/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	**1,280**
BH45	07/17/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	2,040
BH45	07/17/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	1,220
BH45	07/17/2025	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	211
BH45	07/17/2025	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	276
BH45	07/25/2025	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH45	07/25/2025	35	<0.0250	<0.0500	<20.0	230	315	230	545	<200
BH45	07/25/2025	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200

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Barbados State #001
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total GRO & DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**1,000**	**2,500**	**10,000**
Delineation Soil Samples - nAB161956595										
BH45	07/25/2025	45	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH45	07/25/2025	50	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH45	07/25/2025	55	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200
BH45	07/25/2025	60	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<200

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code
Text in "grey" represents excavated soil samples
*Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard† for Soils Impacted by a Release*
*" * "Soil sample was collected in the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13, if exceeding the reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH.*

APPENDIX I

Laboratory Analytical Reports & Chain-of-Custody Documentation

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

Report to:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E307018
Job Number:	01058-0007
Received:	7/10/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/13/24

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

Date Reported: 3/13/24

Anna Byers
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E307018
Date Received: 7/10/2023 8:10:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/10/2023 8:10:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

BH01 0.5’ 5

BHO1 4’ 6

QC Summary Data 7

QC - Volatile Organics by EPA 8021B 7

QC - Nonhalogenated Organics by EPA 8015D - GRO 8

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 9

QC - Anions by EPA 300.0/9056A 10

Definitions and Notes 11

Chain of Custody etc. 12

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	03/13/24 16:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 0.5'	E307018-01A	Soil	07/06/23	07/10/23	Glass Jar, 2 oz.
BHO1 4'	E307018-02A	Soil	07/06/23	07/10/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:30:00PM

BH01 0.5'

E307018-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2328002
Benzene	ND	0.0250	1	07/10/23	07/10/23	
Ethylbenzene	ND	0.0250	1	07/10/23	07/10/23	
Toluene	ND	0.0250	1	07/10/23	07/10/23	
o-Xylene	ND	0.0250	1	07/10/23	07/10/23	
p,m-Xylene	ND	0.0500	1	07/10/23	07/10/23	
Total Xylenes	ND	0.0250	1	07/10/23	07/10/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*07/10/23*	*07/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2328002
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/23	07/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.7 %*	*70-130*	*07/10/23*	*07/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2328010
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/23	07/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/23	07/10/23	
Surrogate: n-Nonane		*94.3 %*	*50-200*	*07/10/23*	*07/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2328008
Chloride	**4060**	40.0	2	07/10/23	07/10/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:30:00PM

BHO1 4'

E307018-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2328002
Benzene	ND	0.0250	1	07/10/23	07/10/23	
Ethylbenzene	ND	0.0250	1	07/10/23	07/10/23	
Toluene	ND	0.0250	1	07/10/23	07/10/23	
o-Xylene	ND	0.0250	1	07/10/23	07/10/23	
p,m-Xylene	ND	0.0500	1	07/10/23	07/10/23	
Total Xylenes	ND	0.0250	1	07/10/23	07/10/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*70-130*	*07/10/23*	*07/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2328002
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/23	07/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.2 %*	*70-130*	*07/10/23*	*07/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2328010
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/23	07/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/23	07/10/23	
Surrogate: n-Nonane		*90.8 %*	*50-200*	*07/10/23*	*07/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2328008
Chloride	**434**	20.0	1	07/10/23	07/10/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:30:00PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2328002-BLK1)									Prepared: 07/10/23 Analyzed: 07/10/23
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	*7.67*		*8.00*		*95.9*	*70-130*			
LCS (2328002-BS1)									Prepared: 07/10/23 Analyzed: 07/10/23
Benzene	4.12	0.0250	5.00		82.4	70-130			
Ethylbenzene	4.01	0.0250	5.00		80.2	70-130			
Toluene	4.14	0.0250	5.00		82.8	70-130			
o-Xylene	4.13	0.0250	5.00		82.7	70-130			
p,m-Xylene	8.33	0.0500	10.0		83.3	70-130			
Total Xylenes	12.5	0.0250	15.0		83.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.85*		*8.00*		*98.2*	*70-130*			
Matrix Spike (2328002-MS1)				**Source: E307016-03**					Prepared: 07/10/23 Analyzed: 07/10/23
Benzene	4.87	0.0250	5.00	ND	97.3	54-133			
Ethylbenzene	4.77	0.0250	5.00	ND	95.5	61-133			
Toluene	4.91	0.0250	5.00	ND	98.3	61-130			
o-Xylene	4.92	0.0250	5.00	ND	98.5	63-131			
p,m-Xylene	9.90	0.0500	10.0	ND	99.0	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.2*	*70-130*			
Matrix Spike Dup (2328002-MSD1)				**Source: E307016-03**					Prepared: 07/10/23 Analyzed: 07/10/23
Benzene	5.05	0.0250	5.00	ND	101	54-133	3.70	20	
Ethylbenzene	4.93	0.0250	5.00	ND	98.7	61-133	3.33	20	
Toluene	5.08	0.0250	5.00	ND	102	61-130	3.35	20	
o-Xylene	5.08	0.0250	5.00	ND	102	63-131	3.19	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	3.28	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	3.25	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.87*		*8.00*		*98.4*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:30:00PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2328002-BLK1)									Prepared: 07/10/23 Analyzed: 07/10/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.91*		*8.00*		*86.4*	*70-130*			
LCS (2328002-BS2)									Prepared: 07/10/23 Analyzed: 07/10/23
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.04*		*8.00*		*88.0*	*70-130*			
Matrix Spike (2328002-MS2)				**Source: E307016-03**					Prepared: 07/10/23 Analyzed: 07/10/23
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.98*		*8.00*		*87.2*	*70-130*			
Matrix Spike Dup (2328002-MSD2)				**Source: E307016-03**					Prepared: 07/10/23 Analyzed: 07/10/23
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130	5.38	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.01*		*8.00*		*87.6*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:30:00PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2328010-BLK1)									Prepared: 07/10/23 Analyzed: 07/10/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.3*		*50.0*		*90.5*	*50-200*			
LCS (2328010-BS1)									Prepared: 07/10/23 Analyzed: 07/10/23
Diesel Range Organics (C10-C28)	256	25.0	250		102	38-132			
Surrogate: n-Nonane	*45.8*		*50.0*		*91.6*	*50-200*			
Matrix Spike (2328010-MS1)				**Source: E307010-01**					Prepared: 07/10/23 Analyzed: 07/11/23
Diesel Range Organics (C10-C28)	20100	1250	250	21400	NR	38-132			M4
Surrogate: n-Nonane	*64.7*		*50.0*		*129*	*50-200*			
Matrix Spike Dup (2328010-MSD1)				**Source: E307010-01**					Prepared: 07/10/23 Analyzed: 07/11/23
Diesel Range Organics (C10-C28)	21000	1250	250	21400	NR	38-132	4.67	20	M4
Surrogate: n-Nonane	*66.9*		*50.0*		*134*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:30:00PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2328008-BLK1)									Prepared: 07/10/23 Analyzed: 07/10/23
Chloride	ND	20.0							
LCS (2328008-BS1)									Prepared: 07/10/23 Analyzed: 07/10/23
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2328008-MS1)				**Source: E307017-21**					Prepared: 07/10/23 Analyzed: 07/10/23
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2328008-MSD1)				**Source: E307017-21**					Prepared: 07/10/23 Analyzed: 07/10/23
Chloride	260	20.0	250	ND	104	80-120	0.157	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Anna Byers	03/13/24 16:30

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of

Client: WPX Energy Permian LLC.	
Project: Barbados State #001 SWD	
Project Manager: Anna Buyer	
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	
Phone: (575) 200-6754	
Email: Devon-team@etechenv.com	
Collected by: Edyte Konan	

Bill To

Attention: Jim Raley
Address: 5315 Buena Vista Dr.
City, State, Zip: Carlsbad, NM, 88220
Phone: 575-885-7502
Email: jim.raley@dvn.com
WO: N/A
Incident ID: nAB1619656595

Lab Use Only

Lab WO# E307018 | Job Number D1058-0007

TAT

1D	2D	3D	Standard
			5 day TAT

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
8:30	7/6/2023	S	1	PH01	1	0.5'								X				
8:40	7/6/2023	S	1	PH01	2	4'								X				

Analysis and Method

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Edyte Konan	07/06/2023	15:10	Michelle Gonzales	07-06-23	1510
Relinquished by: (Signature) Michelle Gonzales	Date 07-06-23	Time 1630	Received by: (Signature) Caitlin Man	Date 7/10/23	Time 8:10
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

envirotech

Envirotech Analytical Laboratory

Printed: 7/10/2023 9:07:26AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	07/10/23 08:10	Work Order ID:	E307018
Phone:	(575) 200-6754	Date Logged In:	07/10/23 09:05	Logged In By:	Caitlin Mars
Email:	anna@etechenv.vom	Due Date:	07/14/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information

Chain of Custody

Client: WPX Energy Permian LLC.	
Project: Barbados State #001 SWD	
Project Manager: Anna Buyer	
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	
Phone: (575) 200-6754	
Email: Devon-team@etechenv.com	
Collected by: Edyte Konan	

Bill To	
Attention: Jim Raley	
Address: 5315 Buena Vista Dr.	
City, State, Zip: Carlsbad, NM, 88220	
Phone: 575-885-7502	
Email: jim.raley@dvn.com	
WO: N/A	
Incident ID: nAB1619656595	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E307018	01058-0007				5 day TAT		

Analysis and Method													RCRA	
													State	
													NM CO UT AZ TX	
Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX			Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number													
8:30	7/6/2023	S	1	~~PH01~~ BH01	1	0.5'								X				per G. Moreno 3/6/24 AH
8:40	7/6/2023	S	1	~~PH01~~ BH01	2	4'								X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Edyte Konan	07/06/2023	15:10	Michelle Gonzales	07-06-23	1510
Relinquished by: (Signature) Michelle Gonzales	Date 07-06-23	Time 1630	Received by: (Signature) Caitlin Mason	Date 7/10/23	Time 8:10
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

envirotech

Report to:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E307019
Job Number:	01058-0007
Received:	7/10/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/13/24

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

Date Reported: 3/13/24

Anna Byers
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E307019
Date Received: 7/10/2023 8:10:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/10/2023 8:10:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH01 8’ 5
- BH01 12’ 6
- BH01 16’ 7
- BH01 18’ 8
- BH01 20’ 9

QC Summary Data 10

- QC - Volatile Organics by EPA 8021B 10
- QC - Nonhalogenated Organics by EPA 8015D - GRO 11
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 12
- QC - Anions by EPA 300.0/9056A 13

Definitions and Notes 14

Chain of Custody etc. 15

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	03/13/24 16:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 8'	E307019-01A	Soil	07/06/23	07/10/23	Glass Jar, 2 oz.
BH01 12'	E307019-02A	Soil	07/06/23	07/10/23	Glass Jar, 2 oz.
BH01 16'	E307019-03A	Soil	07/06/23	07/10/23	Glass Jar, 2 oz.
BH01 18'	E307019-04A	Soil	07/06/23	07/10/23	Glass Jar, 2 oz.
BH01 20'	E307019-05A	Soil	07/06/23	07/10/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:28:44PM

BH01 8'

E307019-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2328002
Benzene	ND	0.0250	1	07/10/23	07/10/23	
Ethylbenzene	ND	0.0250	1	07/10/23	07/10/23	
Toluene	ND	0.0250	1	07/10/23	07/10/23	
o-Xylene	ND	0.0250	1	07/10/23	07/10/23	
p,m-Xylene	ND	0.0500	1	07/10/23	07/10/23	
Total Xylenes	ND	0.0250	1	07/10/23	07/10/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*07/10/23*	*07/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2328002
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/23	07/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.0 %*	*70-130*	*07/10/23*	*07/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2328015
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
Surrogate: n-Nonane		*95.0 %*	*50-200*	*07/11/23*	*07/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2328008
Chloride	**1060**	20.0	1	07/10/23	07/10/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:28:44PM

BH01 12'

E307019-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2328002
Benzene	ND	0.0250	1	07/10/23	07/10/23	
Ethylbenzene	ND	0.0250	1	07/10/23	07/10/23	
Toluene	ND	0.0250	1	07/10/23	07/10/23	
o-Xylene	ND	0.0250	1	07/10/23	07/10/23	
p,m-Xylene	ND	0.0500	1	07/10/23	07/10/23	
Total Xylenes	ND	0.0250	1	07/10/23	07/10/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*07/10/23*	*07/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2328002
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/23	07/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.0 %*	*70-130*	*07/10/23*	*07/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2328015
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*07/11/23*	*07/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2328008
Chloride	**1840**	20.0	1	07/10/23	07/10/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:28:44PM

BH01 16'

E307019-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2328002
Benzene	ND	0.0250	1	07/10/23	07/10/23	
Ethylbenzene	ND	0.0250	1	07/10/23	07/10/23	
Toluene	ND	0.0250	1	07/10/23	07/10/23	
o-Xylene	ND	0.0250	1	07/10/23	07/10/23	
p,m-Xylene	ND	0.0500	1	07/10/23	07/10/23	
Total Xylenes	ND	0.0250	1	07/10/23	07/10/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*07/10/23*	*07/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2328002
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/23	07/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.6 %*	*70-130*	*07/10/23*	*07/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2328015
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*07/11/23*	*07/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2328008
Chloride	**2790**	40.0	2	07/10/23	07/10/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:28:44PM

BH01 18'

E307019-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2328002
Benzene	ND	0.0250	1	07/10/23	07/10/23	
Ethylbenzene	ND	0.0250	1	07/10/23	07/10/23	
Toluene	ND	0.0250	1	07/10/23	07/10/23	
o-Xylene	ND	0.0250	1	07/10/23	07/10/23	
p,m-Xylene	ND	0.0500	1	07/10/23	07/10/23	
Total Xylenes	ND	0.0250	1	07/10/23	07/10/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*07/10/23*	*07/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2328002
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/23	07/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.0 %*	*70-130*	*07/10/23*	*07/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2328015
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
Surrogate: n-Nonane		*100 %*	*50-200*	*07/11/23*	*07/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2328008
Chloride	**2320**	40.0	2	07/10/23	07/10/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:28:44PM

BH01 20'

E307019-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2328002
Benzene	ND	0.0250	1	07/10/23	07/10/23	
Ethylbenzene	ND	0.0250	1	07/10/23	07/10/23	
Toluene	ND	0.0250	1	07/10/23	07/10/23	
o-Xylene	ND	0.0250	1	07/10/23	07/10/23	
p,m-Xylene	ND	0.0500	1	07/10/23	07/10/23	
Total Xylenes	ND	0.0250	1	07/10/23	07/10/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*70-130*	*07/10/23*	*07/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2328002
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/23	07/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.0 %*	*70-130*	*07/10/23*	*07/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2328015
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*07/11/23*	*07/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2328008
Chloride	**1210**	200	10	07/10/23	07/10/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:28:44PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2328002-BLK1)									Prepared: 07/10/23 Analyzed: 07/10/23
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	*7.67*		*8.00*		*95.9*	*70-130*			
LCS (2328002-BS1)									Prepared: 07/10/23 Analyzed: 07/10/23
Benzene	4.12	0.0250	5.00		82.4	70-130			
Ethylbenzene	4.01	0.0250	5.00		80.2	70-130			
Toluene	4.14	0.0250	5.00		82.8	70-130			
o-Xylene	4.13	0.0250	5.00		82.7	70-130			
p,m-Xylene	8.33	0.0500	10.0		83.3	70-130			
Total Xylenes	12.5	0.0250	15.0		83.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.85*		*8.00*		*98.2*	*70-130*			
Matrix Spike (2328002-MS1)				**Source: E307016-03**					Prepared: 07/10/23 Analyzed: 07/10/23
Benzene	4.87	0.0250	5.00	ND	97.3	54-133			
Ethylbenzene	4.77	0.0250	5.00	ND	95.5	61-133			
Toluene	4.91	0.0250	5.00	ND	98.3	61-130			
o-Xylene	4.92	0.0250	5.00	ND	98.5	63-131			
p,m-Xylene	9.90	0.0500	10.0	ND	99.0	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.2*	*70-130*			
Matrix Spike Dup (2328002-MSD1)				**Source: E307016-03**					Prepared: 07/10/23 Analyzed: 07/10/23
Benzene	5.05	0.0250	5.00	ND	101	54-133	3.70	20	
Ethylbenzene	4.93	0.0250	5.00	ND	98.7	61-133	3.33	20	
Toluene	5.08	0.0250	5.00	ND	102	61-130	3.35	20	
o-Xylene	5.08	0.0250	5.00	ND	102	63-131	3.19	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	3.28	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	3.25	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.87*		*8.00*		*98.4*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:28:44PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2328002-BLK1)									Prepared: 07/10/23 Analyzed: 07/10/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.91*		*8.00*		*86.4*	*70-130*			
LCS (2328002-BS2)									Prepared: 07/10/23 Analyzed: 07/10/23
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.04*		*8.00*		*88.0*	*70-130*			
Matrix Spike (2328002-MS2)				**Source: E307016-03**					Prepared: 07/10/23 Analyzed: 07/10/23
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.98*		*8.00*		*87.2*	*70-130*			
Matrix Spike Dup (2328002-MSD2)				**Source: E307016-03**					Prepared: 07/10/23 Analyzed: 07/10/23
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130	5.38	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.01*		*8.00*		*87.6*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:28:44PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2328015-BLK1)									Prepared: 07/11/23 Analyzed: 07/11/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.5*		*50.0*		*105*	*50-200*			
LCS (2328015-BS1)									Prepared: 07/11/23 Analyzed: 07/11/23
Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132			
Surrogate: n-Nonane	*53.3*		*50.0*		*107*	*50-200*			
Matrix Spike (2328015-MS1)				**Source: E307023-06**					Prepared: 07/11/23 Analyzed: 07/11/23
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	*48.9*		*50.0*		*97.7*	*50-200*			
Matrix Spike Dup (2328015-MSD1)				**Source: E307023-06**					Prepared: 07/11/23 Analyzed: 07/11/23
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132	0.881	20	
Surrogate: n-Nonane	*43.2*		*50.0*		*86.5*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:28:44PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2328008-BLK1)									Prepared: 07/10/23 Analyzed: 07/10/23
Chloride	ND	20.0							
LCS (2328008-BS1)									Prepared: 07/10/23 Analyzed: 07/10/23
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2328008-MS1)				**Source: E307017-21**					Prepared: 07/10/23 Analyzed: 07/10/23
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2328008-MSD1)				**Source: E307017-21**					Prepared: 07/10/23 Analyzed: 07/10/23
Chloride	260	20.0	250	ND	104	80-120	0.157	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Anna Byers	03/13/24 16:28

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of

| | | |

Envirotech Analytical Laboratory

Printed: 7/10/2023 9:13:43AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	07/10/23 08:10	Work Order ID:	E307019
Phone:	(575) 200-6754	Date Logged In:	07/10/23 09:09	Logged In By:	Caitlin Mars
Email:	anna@etechenv.vom	Due Date:	07/14/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information

Chain of Custody

Client: WPX Energy Permian LLC.	
Project: Barbados State #001 SWD	
Project Manager: Anna Buyer	
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	
Phone: (575) 200-6754	
Email: Devon-team@etechenv.com	
Collected by: Edyte Konan	

Bill To

Attention: Jim Raley
Address: 5315 Buena Vista Dr.
City, State, Zip: Carlsbad, NM, 88220
Phone: 575-885-7502
Email: jim.raley@dvn.com
WO: N/A
Incident ID: nAB1619656595

Lab Use Only

Lab WO# E307019 — Job Number 01058-0007

TAT

1D	2D	3D	Standard
			5 day TAT

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
8:50	7/6/2023	S	1	~~PH01~~ BH01	1	8'								X				per G. Moreno 3/6/24
9:00	7/6/2023	S	1	~~PH01~~ BH01	2	12'								X				
9:10	7/6/2023	S	1	~~PH01~~ BH01	3	16'								X				
9:20	7/6/2023	S	1	~~PH01~~ BH01	4	18'								X				
9:30	7/6/2023	S	1	~~PH01~~ BH01	5	20'								X				

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Edyte Konan	07/06/2023	15:10	Michelle Gonzales	07-06-23	1510
Relinquished by: (Signature) Michelle Gonzales	Date 07-06-23	Time 1630	Received by: (Signature) Caitlin Mars	Date 7/10/23	Time 8:10
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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.

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

envirotech

Report to:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E307020
Job Number:	01058-0007
Received:	7/10/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/13/24

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

Date Reported: 3/13/24

Anna Byers
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E307020
Date Received: 7/10/2023 8:10:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/10/2023 8:10:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Laboratory Administrator
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rainaschwanz@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

BH02 0.5’ 5

BH02 4’ 6

QC Summary Data 7

QC - Volatile Organics by EPA 8021B 7

QC - Nonhalogenated Organics by EPA 8015D - GRO 8

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 9

QC - Anions by EPA 300.0/9056A 10

Definitions and Notes 11

Chain of Custody etc. 12

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	03/13/24 16:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 0.5'	E307020-01A	Soil	07/06/23	07/10/23	Glass Jar, 2 oz.
BH02 4'	E307020-02A	Soil	07/06/23	07/10/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:27:30PM

BH02 0.5'

E307020-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2328002
Benzene	ND	0.0250	1	07/10/23	07/11/23	
Ethylbenzene	ND	0.0250	1	07/10/23	07/11/23	
Toluene	ND	0.0250	1	07/10/23	07/11/23	
o-Xylene	ND	0.0250	1	07/10/23	07/11/23	
p,m-Xylene	ND	0.0500	1	07/10/23	07/11/23	
Total Xylenes	ND	0.0250	1	07/10/23	07/11/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*07/10/23*	*07/11/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2328002
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/23	07/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.9 %*	*70-130*	*07/10/23*	*07/11/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2328010
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/23	07/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/23	07/10/23	
Surrogate: n-Nonane		*91.6 %*	*50-200*	*07/10/23*	*07/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2328008
Chloride	**3480**	40.0	2	07/10/23	07/10/23	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:27:30PM

BH02 4'

E307020-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2328002
Benzene	ND	0.0250	1	07/10/23	07/10/23	
Ethylbenzene	ND	0.0250	1	07/10/23	07/10/23	
Toluene	ND	0.0250	1	07/10/23	07/10/23	
o-Xylene	ND	0.0250	1	07/10/23	07/10/23	
p,m-Xylene	ND	0.0500	1	07/10/23	07/10/23	
Total Xylenes	ND	0.0250	1	07/10/23	07/10/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*07/10/23*	*07/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2328002
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/23	07/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*07/10/23*	*07/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2328010
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/23	07/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/23	07/10/23	
Surrogate: n-Nonane		*94.6 %*	*50-200*	*07/10/23*	*07/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2328008
Chloride	**1040**	20.0	1	07/10/23	07/11/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:27:30PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2328002-BLK1)									Prepared: 07/10/23 Analyzed: 07/10/23
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	*7.67*		*8.00*		*95.9*	*70-130*			
LCS (2328002-BS1)									Prepared: 07/10/23 Analyzed: 07/10/23
Benzene	4.12	0.0250	5.00		82.4	70-130			
Ethylbenzene	4.01	0.0250	5.00		80.2	70-130			
Toluene	4.14	0.0250	5.00		82.8	70-130			
o-Xylene	4.13	0.0250	5.00		82.7	70-130			
p,m-Xylene	8.33	0.0500	10.0		83.3	70-130			
Total Xylenes	12.5	0.0250	15.0		83.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.85*		*8.00*		*98.2*	*70-130*			
Matrix Spike (2328002-MS1)				**Source: E307016-03**					Prepared: 07/10/23 Analyzed: 07/10/23
Benzene	4.87	0.0250	5.00	ND	97.3	54-133			
Ethylbenzene	4.77	0.0250	5.00	ND	95.5	61-133			
Toluene	4.91	0.0250	5.00	ND	98.3	61-130			
o-Xylene	4.92	0.0250	5.00	ND	98.5	63-131			
p,m-Xylene	9.90	0.0500	10.0	ND	99.0	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.2*	*70-130*			
Matrix Spike Dup (2328002-MSD1)				**Source: E307016-03**					Prepared: 07/10/23 Analyzed: 07/10/23
Benzene	5.05	0.0250	5.00	ND	101	54-133	3.70	20	
Ethylbenzene	4.93	0.0250	5.00	ND	98.7	61-133	3.33	20	
Toluene	5.08	0.0250	5.00	ND	102	61-130	3.35	20	
o-Xylene	5.08	0.0250	5.00	ND	102	63-131	3.19	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	3.28	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	3.25	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.87*		*8.00*		*98.4*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:27:30PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2328002-BLK1)									Prepared: 07/10/23 Analyzed: 07/10/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.91*		*8.00*		*86.4*	*70-130*			
LCS (2328002-BS2)									Prepared: 07/10/23 Analyzed: 07/10/23
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.04*		*8.00*		*88.0*	*70-130*			
Matrix Spike (2328002-MS2)				**Source: E307016-03**					Prepared: 07/10/23 Analyzed: 07/10/23
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.98*		*8.00*		*87.2*	*70-130*			
Matrix Spike Dup (2328002-MSD2)				**Source: E307016-03**					Prepared: 07/10/23 Analyzed: 07/10/23
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130	5.38	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.01*		*8.00*		*87.6*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:27:30PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2328010-BLK1)									Prepared: 07/10/23 Analyzed: 07/10/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.3*		*50.0*		*90.5*	*50-200*			
LCS (2328010-BS1)									Prepared: 07/10/23 Analyzed: 07/10/23
Diesel Range Organics (C10-C28)	256	25.0	250		102	38-132			
Surrogate: n-Nonane	*45.8*		*50.0*		*91.6*	*50-200*			
Matrix Spike (2328010-MS1)				**Source: E307010-01**					Prepared: 07/10/23 Analyzed: 07/11/23
Diesel Range Organics (C10-C28)	20100	1250	250	21400	NR	38-132			M4
Surrogate: n-Nonane	*64.7*		*50.0*		*129*	*50-200*			
Matrix Spike Dup (2328010-MSD1)				**Source: E307010-01**					Prepared: 07/10/23 Analyzed: 07/11/23
Diesel Range Organics (C10-C28)	21000	1250	250	21400	NR	38-132	4.67	20	M4
Surrogate: n-Nonane	*66.9*		*50.0*		*134*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	3/13/2024 4:27:30PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2328008-BLK1)									Prepared: 07/10/23 Analyzed: 07/10/23
Chloride	ND	20.0							
LCS (2328008-BS1)									Prepared: 07/10/23 Analyzed: 07/10/23
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2328008-MS1)				**Source: E307017-21**					Prepared: 07/10/23 Analyzed: 07/10/23
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2328008-MSD1)				**Source: E307017-21**					Prepared: 07/10/23 Analyzed: 07/10/23
Chloride	260	20.0	250	ND	104	80-120	0.157	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Anna Byers	03/13/24 16:27

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information

Chain of Custody

Client: WPX Energy Permian LLC.	
Project: Barbados State #001 SWD	
Project Manager: Anna Buyer	
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	
Phone: (575) 200-6754	
Email: Devon-team@etechenv.com	
Collected by: Edyte Konan	

Bill To

Attention: Jim Raley
Address: 5315 Buena Vista Dr.
City, State, Zip: Carlsbad, NM, 88220
Phone: 575-885-7502
Email: jim.raley@dvn.com
WO: N/A
Incident ID: nAB1619656595

Lab Use Only

Lab WO# E307020 Job Number 01058-0007

TAT

1D	2D	3D	Standard
			5 day TAT

EPA Program

CWA	SDWA
	RCRA

State

NM	CO	UT	AZ	TX	

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
9:40	7/6/2023	S	1	PH02	1	0.5'								X				
9:50	7/6/2023	S	1	PH02	2	4'								X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Edyte Konan	07/06/2023	15:10	Michelle Gonzales	07-06-23	1510
Relinquished by: (Signature) Michelle Gonzales	Date 07-06-23	Time 1630	Received by: (Signature)	Date 7/10/23	Time 8:10
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

envirotech

Envirotech Analytical Laboratory

Printed: 7/10/2023 9:28:33AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	07/10/23 08:10	Work Order ID:	E307020
Phone:	(575) 200-6754	Date Logged In:	07/10/23 09:20	Logged In By:	Caitlin Mars
Email:	anna@etechenv.vom	Due Date:	07/14/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information

Chain of Custody

Client: WPX Energy Permian LLC.	
Project: Barbados State #001 SWD	
Project Manager: Anna Buyer	
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	
Phone: (575) 200-6754	
Email: Devon-team@etechenv.com	
Collected by: Edyte Konan	

Bill To	
Attention: Jim Raley	
Address: 5315 Buena Vista Dr.	
City, State, Zip: Carlsbad, NM, 88220	
Phone: 575-885-7502	
Email: jim.raley@dvn.com	
WO: N/A	
Incident ID: nAB1619656595	

Lab Use Only	
Lab WO#	Job Number
E307020	01058-0007

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
			5 day TAT		
					RCRA

State					
NM	CO	UT	AZ	TX	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
						Analysis and Method												
9:40	7/6/2023	S	1	~~PH02~~ BH02	1	0.5'								X				per G. Moreno 3/10/24 QM1
9:50	7/6/2023	S	1	~~PH02~~ BH02	2	4'								X				

Additional Instructions:

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

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

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Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

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Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E401165
Job Number:	01058-0007
Received:	1/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/1/24

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

Date Reported: 2/1/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E401165
Date Received: 1/26/2024 6:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/26/2024 6:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

BH01 22’ 5

BH01 24’ 6

QC Summary Data 7

QC - Volatile Organic Compounds by EPA 8260B 7

QC - Nonhalogenated Organics by EPA 8015D - GRO 8

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 9

QC - Anions by EPA 300.0/9056A 10

Definitions and Notes 11

Chain of Custody etc. 12

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/01/24 16:11

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 22'	E401165-01A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH01 24'	E401165-02A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:11:51PM

BH01 22'

E401165-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Benzene	ND	0.0250	1	01/26/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/30/24	
Toluene	ND	0.0250	1	01/26/24	01/30/24	
o-Xylene	ND	0.0250	1	01/26/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.3 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.3 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/29/24	
Surrogate: n-Nonane		*82.3 %*	*50-200*	*01/29/24*	*01/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404065
Chloride	**248**	100	5	01/26/24	01/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:11:51PM

BH01 24'

E401165-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Benzene	ND	0.0250	1	01/26/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/30/24	
Toluene	ND	0.0250	1	01/26/24	01/30/24	
o-Xylene	ND	0.0250	1	01/26/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane		*85.4 %*	*50-200*	*01/29/24*	*01/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404065
Chloride	ND	200	10	01/26/24	01/27/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:11:51PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404054-BLK1)									Prepared: 01/26/24 Analyzed: 01/29/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.538*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.547*		*0.500*		*109*	*70-130*			
LCS (2404054-BS1)									Prepared: 01/26/24 Analyzed: 01/29/24
Benzene	2.51	0.0250	2.50		100	70-130			
Ethylbenzene	2.60	0.0250	2.50		104	70-130			
Toluene	2.47	0.0250	2.50		98.8	70-130			
o-Xylene	2.58	0.0250	2.50		103	70-130			
p,m-Xylene	5.16	0.0500	5.00		103	70-130			
Total Xylenes	7.75	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	*0.548*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			
Matrix Spike (2404054-MS1)				**Source: E401158-03**					Prepared: 01/26/24 Analyzed: 01/29/24
Benzene	2.47	0.0250	2.50	ND	98.8	48-131			
Ethylbenzene	2.61	0.0250	2.50	ND	104	45-135			
Toluene	2.47	0.0250	2.50	ND	98.8	48-130			
o-Xylene	2.58	0.0250	2.50	ND	103	43-135			
p,m-Xylene	5.10	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.68	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	*0.552*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.2*	*70-130*			
Surrogate: Toluene-d8	*0.528*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2404054-MSD1)				**Source: E401158-03**					Prepared: 01/26/24 Analyzed: 01/29/24
Benzene	2.47	0.0250	2.50	ND	98.9	48-131	0.0607	23	
Ethylbenzene	2.66	0.0250	2.50	ND	106	45-135	1.86	27	
Toluene	2.53	0.0250	2.50	ND	101	48-130	2.26	24	
o-Xylene	2.66	0.0250	2.50	ND	107	43-135	3.38	27	
p,m-Xylene	5.33	0.0500	5.00	ND	106	43-135	4.26	27	
Total Xylenes	7.99	0.0250	7.50	ND	107	43-135	3.96	27	
Surrogate: Bromofluorobenzene	*0.560*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.534*		*0.500*		*107*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:11:51PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404054-BLK1)									Prepared: 01/26/24 Analyzed: 01/29/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.538*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.547*		*0.500*		*109*	*70-130*			
LCS (2404054-BS2)									Prepared: 01/26/24 Analyzed: 01/29/24
Gasoline Range Organics (C6-C10)	57.0	20.0	50.0		114	70-130			
Surrogate: Bromofluorobenzene	*0.555*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.549*		*0.500*		*110*	*70-130*			
Matrix Spike (2404054-MS2)				**Source: E401158-03**					Prepared: 01/26/24 Analyzed: 01/29/24
Gasoline Range Organics (C6-C10)	53.9	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	*0.555*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.5*	*70-130*			
Surrogate: Toluene-d8	*0.531*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2404054-MSD2)				**Source: E401158-03**					Prepared: 01/26/24 Analyzed: 01/29/24
Gasoline Range Organics (C6-C10)	54.8	20.0	50.0	ND	110	70-130	1.59	20	
Surrogate: Bromofluorobenzene	*0.564*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.461*		*0.500*		*92.1*	*70-130*			
Surrogate: Toluene-d8	*0.541*		*0.500*		*108*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:11:51PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405002-BLK1)									Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*43.1*		*50.0*		*86.2*	*50-200*			
LCS (2405002-BS1)									Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	212	25.0	250		85.0	38-132			
Surrogate: n-Nonane	*43.4*		*50.0*		*86.8*	*50-200*			
Matrix Spike (2405002-MS1)				**Source: E401164-03**					Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.0	38-132			
Surrogate: n-Nonane	*40.8*		*50.0*		*81.5*	*50-200*			
Matrix Spike Dup (2405002-MSD1)				**Source: E401164-03**					Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	208	25.0	250	ND	83.2	38-132	4.45	20	
Surrogate: n-Nonane	*43.9*		*50.0*		*87.7*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:11:51PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404065-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	ND	20.0							
LCS (2404065-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	247	20.0	250		98.6	90-110			
Matrix Spike (2404065-MS1)				**Source: E401162-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	486	20.0	250	211	110	80-120			
Matrix Spike Dup (2404065-MSD1)				**Source: E401162-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	469	20.0	250	211	103	80-120	3.65	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/01/24 16:11

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 1/26/2024 12:16:47PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	01/26/24 06:30	Work Order ID:	E401165
Phone:	(539) 573-4018	Date Logged In:	01/25/24 15:19	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/01/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E401166
Job Number:	01058-0007
Received:	1/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/2/24

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

Date Reported: 2/2/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E401166
Date Received: 1/26/2024 6:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/26/2024 6:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH02 10’ 5
- BH02 14’ 6
- BH02 20’ 7
- BH02 24’ 8

QC Summary Data 9

- QC - Volatile Organics by EPA 8021B 9
- QC - Nonhalogenated Organics by EPA 8015D - GRO 10
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 11
- QC - Anions by EPA 300.0/9056A 12

Definitions and Notes 13

Chain of Custody etc. 14

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/02/24 14:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 10'	E401166-01A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH02 14'	E401166-02A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH02 20'	E401166-03A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH02 24'	E401166-04A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:39:40PM

BH02 10'

E401166-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane		*82.3 %*	*50-200*	*01/29/24*	*01/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	**258**	20.0	1	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:39:40PM

BH02 14'

E401166-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.3 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405002
Diesel Range Organics (C10-C28)	**78.1**	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane		*79.1 %*	*50-200*	*01/29/24*	*01/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	**179**	20.0	1	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:39:40PM

BH02 20'

E401166-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane		*83.3 %*	*50-200*	*01/29/24*	*01/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	**2430**	100	5	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:39:40PM

BH02 24'

E401166-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane		*72.1 %*	*50-200*	*01/29/24*	*01/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	**1790**	40.0	2	01/31/24	01/31/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:39:40PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404067-BLK1)									Prepared: 01/26/24 Analyzed: 01/27/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.39*		*8.00*		*92.4*	*70-130*			
LCS (2404067-BS1)									Prepared: 01/26/24 Analyzed: 01/27/24
Benzene	4.94	0.0250	5.00		98.8	70-130			
Ethylbenzene	4.86	0.0250	5.00		97.1	70-130			
Toluene	4.92	0.0250	5.00		98.5	70-130			
o-Xylene	4.85	0.0250	5.00		97.1	70-130			
p,m-Xylene	9.85	0.0500	10.0		98.5	70-130			
Total Xylenes	14.7	0.0250	15.0		98.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.53*		*8.00*		*94.1*	*70-130*			
Matrix Spike (2404067-MS1)				**Source: E401164-03**					Prepared: 01/26/24 Analyzed: 01/27/24
Benzene	4.81	0.0250	5.00	ND	96.1	54-133			
Ethylbenzene	4.72	0.0250	5.00	ND	94.3	61-133			
Toluene	4.79	0.0250	5.00	ND	95.8	61-130			
o-Xylene	4.73	0.0250	5.00	ND	94.5	63-131			
p,m-Xylene	9.60	0.0500	10.0	ND	96.0	63-131			
Total Xylenes	14.3	0.0250	15.0	ND	95.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.2*	*70-130*			
Matrix Spike Dup (2404067-MSD1)				**Source: E401164-03**					Prepared: 01/26/24 Analyzed: 01/27/24
Benzene	5.17	0.0250	5.00	ND	103	54-133	7.29	20	
Ethylbenzene	5.07	0.0250	5.00	ND	101	61-133	7.20	20	
Toluene	5.14	0.0250	5.00	ND	103	61-130	7.09	20	
o-Xylene	5.08	0.0250	5.00	ND	102	63-131	7.14	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	7.11	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	7.12	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:39:40PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404067-BLK1)									Prepared: 01/26/24 Analyzed: 01/27/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.62*		*8.00*		*95.3*	*70-130*			
LCS (2404067-BS2)									Prepared: 01/26/24 Analyzed: 01/27/24
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.70*		*8.00*		*96.3*	*70-130*			
Matrix Spike (2404067-MS2)				**Source: E401164-03**					Prepared: 01/26/24 Analyzed: 01/27/24
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.78*		*8.00*		*97.3*	*70-130*			
Matrix Spike Dup (2404067-MSD2)				**Source: E401164-03**					Prepared: 01/26/24 Analyzed: 01/27/24
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.4	70-130	2.64	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:39:40PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405002-BLK1)									Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*43.1*		*50.0*		*86.2*	*50-200*			
LCS (2405002-BS1)									Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	212	25.0	250		85.0	38-132			
Surrogate: n-Nonane	*43.4*		*50.0*		*86.8*	*50-200*			
Matrix Spike (2405002-MS1)				**Source: E401164-03**					Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.0	38-132			
Surrogate: n-Nonane	*40.8*		*50.0*		*81.5*	*50-200*			
Matrix Spike Dup (2405002-MSD1)				**Source: E401164-03**					Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	208	25.0	250	ND	83.2	38-132	4.45	20	
Surrogate: n-Nonane	*43.9*		*50.0*		*87.7*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:39:40PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405005-BLK1)									Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	ND	20.0							
LCS (2405005-BS1)									Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2405005-MS1)				**Source: E401167-01**					Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	3320	40.0	250	3060	105	80-120			
Matrix Spike Dup (2405005-MSD1)				**Source: E401167-01**					Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	3300	40.0	250	3060	98.6	80-120	0.489	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/02/24 14:39

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	**Bill To**	Lab Use Only	TAT / EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E 401166	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 Day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		CWA SDWA RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: 832-541-7719	Email: jim.raley@dvn.com		NM: x
Email: Devon-team@etechenv.com	WBS/WO: 21196155		
Collected by: Gilbert Moreno	Incident ID: nAB161956595		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
9:10	1.24.24	S	1	BH02	1	10'								X				
9:15	1.24.24	S	1	BH02	2	14'								X				
9:20	1.24.24	S	1	BH02	3	20'								X				
9:25	1.24.24	S	1	BH02	4	24'								X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/24/24	6:52	Michelle Gonzales	1-24-24	1852
Michelle Gonzales	1-25-24	1400		1.25.24	1630
Andrew Hobbs	1-25.24	2330	Kayleigh R Hill	1-26-24	0630

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

envirotech

Envirotech Analytical Laboratory

Printed: 1/26/2024 11:53:01AM

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:	WPX Energy - Carlsbad	Date Received:	01/26/24 06:30	Work Order ID:	E401166
Phone:	(539) 573-4018	Date Logged In:	01/25/24 15:20	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/01/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E401159
Job Number:	01058-0007
Received:	1/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/1/24

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

Date Reported: 2/1/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E401159
Date Received: 1/26/2024 6:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/26/2024 6:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH03 0.5’ 5
- BH03 4’ 6
- BH03 10’ 7
- BH03 14’ 8
- BH03 19’ 9
- BH03 24’ 10

QC Summary Data 11

- QC - Volatile Organic Compounds by EPA 8260B 11
- QC - Nonhalogenated Organics by EPA 8015D - GRO 12
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13
- QC - Anions by EPA 300.0/9056A 14

Definitions and Notes 15

Chain of Custody etc. 16

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/01/24 16:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03 0.5'	E401159-01A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH03 4'	E401159-02A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH03 10'	E401159-03A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH03 14'	E401159-04A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH03 19'	E401159-05A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH03 24'	E401159-06A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:09:43PM

BH03 0.5'

E401159-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Benzene	ND	0.0250	1	01/26/24	01/29/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/29/24	
Toluene	ND	0.0250	1	01/26/24	01/29/24	
o-Xylene	ND	0.0250	1	01/26/24	01/29/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/29/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.5 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.5 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404062
Diesel Range Organics (C10-C28)	**26.8**	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404057
Chloride	**5020**	100	5	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:09:43PM

BH03 4'

E401159-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Benzene	ND	0.0250	1	01/26/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/30/24	
Toluene	ND	0.0250	1	01/26/24	01/30/24	
o-Xylene	ND	0.0250	1	01/26/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.6 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.6 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404057
Chloride	**693**	20.0	1	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:09:43PM

BH03 10'

E401159-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Benzene	ND	0.0250	1	01/26/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/30/24	
Toluene	ND	0.0250	1	01/26/24	01/30/24	
o-Xylene	ND	0.0250	1	01/26/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404057
Chloride	**1010**	20.0	1	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:09:43PM

BH03 14'

E401159-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Benzene	ND	0.0250	1	01/26/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/30/24	
Toluene	ND	0.0250	1	01/26/24	01/30/24	
o-Xylene	ND	0.0250	1	01/26/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.7 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.7 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404057
Chloride	**1840**	20.0	1	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:09:43PM

BH03 19'

E401159-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Benzene	ND	0.0250	1	01/26/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/30/24	
Toluene	ND	0.0250	1	01/26/24	01/30/24	
o-Xylene	ND	0.0250	1	01/26/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.4 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.4 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404062
Diesel Range Organics (C10-C28)	**29.5**	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404057
Chloride	**249**	200	10	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:09:43PM

BH03 24'

E401159-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Benzene	ND	0.0250	1	01/26/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/30/24	
Toluene	ND	0.0250	1	01/26/24	01/30/24	
o-Xylene	ND	0.0250	1	01/26/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404057
Chloride	ND	200	10	01/26/24	01/26/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:09:43PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404054-BLK1)									Prepared: 01/26/24 Analyzed: 01/29/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.538*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.547*		*0.500*		*109*	*70-130*			
LCS (2404054-BS1)									Prepared: 01/26/24 Analyzed: 01/29/24
Benzene	2.51	0.0250	2.50		100	70-130			
Ethylbenzene	2.60	0.0250	2.50		104	70-130			
Toluene	2.47	0.0250	2.50		98.8	70-130			
o-Xylene	2.58	0.0250	2.50		103	70-130			
p,m-Xylene	5.16	0.0500	5.00		103	70-130			
Total Xylenes	7.75	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	*0.548*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			
Matrix Spike (2404054-MS1)				**Source: E401158-03**					Prepared: 01/26/24 Analyzed: 01/29/24
Benzene	2.47	0.0250	2.50	ND	98.8	48-131			
Ethylbenzene	2.61	0.0250	2.50	ND	104	45-135			
Toluene	2.47	0.0250	2.50	ND	98.8	48-130			
o-Xylene	2.58	0.0250	2.50	ND	103	43-135			
p,m-Xylene	5.10	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.68	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	*0.552*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.2*	*70-130*			
Surrogate: Toluene-d8	*0.528*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2404054-MSD1)				**Source: E401158-03**					Prepared: 01/26/24 Analyzed: 01/29/24
Benzene	2.47	0.0250	2.50	ND	98.9	48-131	0.0607	23	
Ethylbenzene	2.66	0.0250	2.50	ND	106	45-135	1.86	27	
Toluene	2.53	0.0250	2.50	ND	101	48-130	2.26	24	
o-Xylene	2.66	0.0250	2.50	ND	107	43-135	3.38	27	
p,m-Xylene	5.33	0.0500	5.00	ND	106	43-135	4.26	27	
Total Xylenes	7.99	0.0250	7.50	ND	107	43-135	3.96	27	
Surrogate: Bromofluorobenzene	*0.560*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.534*		*0.500*		*107*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:09:43PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404054-BLK1)									Prepared: 01/26/24 Analyzed: 01/29/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.538*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.547*		*0.500*		*109*	*70-130*			
LCS (2404054-BS2)									Prepared: 01/26/24 Analyzed: 01/29/24
Gasoline Range Organics (C6-C10)	57.0	20.0	50.0		114	70-130			
Surrogate: Bromofluorobenzene	*0.555*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.549*		*0.500*		*110*	*70-130*			
Matrix Spike (2404054-MS2)				**Source: E401158-03**					Prepared: 01/26/24 Analyzed: 01/29/24
Gasoline Range Organics (C6-C10)	53.9	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	*0.555*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.5*	*70-130*			
Surrogate: Toluene-d8	*0.531*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2404054-MSD2)				**Source: E401158-03**					Prepared: 01/26/24 Analyzed: 01/29/24
Gasoline Range Organics (C6-C10)	54.8	20.0	50.0	ND	110	70-130	1.59	20	
Surrogate: Bromofluorobenzene	*0.564*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.461*		*0.500*		*92.1*	*70-130*			
Surrogate: Toluene-d8	*0.541*		*0.500*		*108*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:09:43PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404062-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.4*		*50.0*		*109*	*50-200*			
LCS (2404062-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	262	25.0	250		105	38-132			
Surrogate: n-Nonane	*53.8*		*50.0*		*108*	*50-200*			
Matrix Spike (2404062-MS1)				**Source: E401160-05**					Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*50-200*			
Matrix Spike Dup (2404062-MSD1)				**Source: E401160-05**					Prepared: 01/26/24 Analyzed: 01/27/24
Diesel Range Organics (C10-C28)	280	25.0	250	ND	112	38-132	3.17	20	
Surrogate: n-Nonane	*55.1*		*50.0*		*110*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:09:43PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404057-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	ND	20.0							
LCS (2404057-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2404057-MS1)				**Source: E401158-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	380	20.0	250	133	98.8	80-120			
Matrix Spike Dup (2404057-MSD1)				**Source: E401158-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	379	20.0	250	133	98.5	80-120	0.144	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/01/24 16:09

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	**Bill To**	Lab Use Only	TAT / EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E401159	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.	1D 2D 3D Standard: 5 Day TAT	CWA / SDWA / RCRA
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21196155		
Collected by: Gilbert Moreno	Incident ID: nAB161956595		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
9:25	1.24.24	S	1	BH03	1	0.5'								X				
9:30	1.24.24	S	1	BH03	2	4'								X				
9:35	1.24.24	S	1	BH03	3	10'								X				
9:40	1.24.24	S	1	BH03	4	14'								X				
9:45	1.24.24	S	1	BH03	5	19'								X				
9:50	1.24.24	S	1	BH03	6	24'								X				

State: NM x | CO | UT | AZ | TX

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/24/24	6:52	Michelle Garcia	1-24-24	1852
Michelle Garcia	1-25-24	1400		1.25.24	1630
	1.25.24	2330	Kristin R Hall	1-26-24	0630

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

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

envirotech

Envirotech Analytical Laboratory

Printed: 1/29/2024 1:39:36PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	01/26/24 06:30	Work Order ID:	E401159
Phone:	(539) 573-4018	Date Logged In:	01/25/24 15:16	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/01/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E401161
Job Number:	01058-0007
Received:	1/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/31/24

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

Date Reported: 1/31/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E401161
Date Received: 1/26/2024 6:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/26/2024 6:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH04 0.5’ 5
- BH04 4’ 6
- BH04 10’ 7
- BH04 15’ 8
- BH04 20’ 9

QC Summary Data 10

- QC - Volatile Organics by EPA 8021B 10
- QC - Nonhalogenated Organics by EPA 8015D - GRO 11
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 12
- QC - Anions by EPA 300.0/9056A 13

Definitions and Notes 14

Chain of Custody etc. 15

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/31/24 16:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04 0.5'	E401161-01A	Solid	01/24/24	01/26/24	Glass Jar, 2 oz.
BH04 4'	E401161-02A	Solid	01/24/24	01/26/24	Glass Jar, 2 oz.
BH04 10'	E401161-03A	Solid	01/24/24	01/26/24	Glass Jar, 2 oz.
BH04 15'	E401161-04A	Solid	01/24/24	01/26/24	Glass Jar, 2 oz.
BH04 20'	E401161-05A	Solid	01/24/24	01/26/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:20:53PM

BH04 0.5'

E401161-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404065
Chloride	**1860**	20.0	1	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:20:53PM

BH04 4'

E401161-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404065
Chloride	**988**	20.0	1	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:20:53PM

BH04 10'

E401161-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404065
Chloride	**4850**	200	10	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:20:53PM

BH04 15'

E401161-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404065
Chloride	**4080**	40.0	2	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:20:53PM

BH04 20'

E401161-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.8 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404065
Chloride	**2010**	40.0	2	01/26/24	01/26/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:20:53PM

Volatile Organics by EPA 8021B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404052-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.79*		*8.00*		*97.4*	*70-130*			
LCS (2404052-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	5.02	0.0250	5.00		100	70-130			
Ethylbenzene	4.86	0.0250	5.00		97.1	70-130			
Toluene	5.04	0.0250	5.00		101	70-130			
o-Xylene	5.00	0.0250	5.00		100	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.83*		*8.00*		*97.9*	*70-130*			
Matrix Spike (2404052-MS1)				**Source: E401161-01**					Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	4.38	0.0250	5.00	ND	87.7	54-133			
Ethylbenzene	4.25	0.0250	5.00	ND	85.0	61-133			
Toluene	4.41	0.0250	5.00	ND	88.2	61-130			
o-Xylene	4.41	0.0250	5.00	ND	88.3	63-131			
p,m-Xylene	8.81	0.0500	10.0	ND	88.1	63-131			
Total Xylenes	13.2	0.0250	15.0	ND	88.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.0*	*70-130*			
Matrix Spike Dup (2404052-MSD1)				**Source: E401161-01**					Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	4.90	0.0250	5.00	ND	97.9	54-133	11.0	20	
Ethylbenzene	4.75	0.0250	5.00	ND	94.9	61-133	11.0	20	
Toluene	4.92	0.0250	5.00	ND	98.4	61-130	10.9	20	
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131	10.2	20	
p,m-Xylene	9.81	0.0500	10.0	ND	98.1	63-131	10.7	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.0	63-131	10.5	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.0*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:20:53PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404052-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.17*		*8.00*		*89.7*	*70-130*			
LCS (2404052-BS2)									Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	43.9	20.0	50.0		87.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.32*		*8.00*		*91.4*	*70-130*			
Matrix Spike (2404052-MS2)				**Source: E401161-01**					Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	40.3	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.23*		*8.00*		*90.4*	*70-130*			
Matrix Spike Dup (2404052-MSD2)				**Source: E401161-01**					Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	39.9	20.0	50.0	ND	79.7	70-130	1.20	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.2*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:20:53PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404062-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.4*		*50.0*		*109*	*50-200*			
LCS (2404062-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	262	25.0	250		105	38-132			
Surrogate: n-Nonane	*53.8*		*50.0*		*108*	*50-200*			
Matrix Spike (2404062-MS1)				**Source: E401160-05**					Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*50-200*			
Matrix Spike Dup (2404062-MSD1)				**Source: E401160-05**					Prepared: 01/26/24 Analyzed: 01/27/24
Diesel Range Organics (C10-C28)	280	25.0	250	ND	112	38-132	3.17	20	
Surrogate: n-Nonane	*55.1*		*50.0*		*110*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:20:53PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404065-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	ND	20.0							
LCS (2404065-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	247	20.0	250		98.6	90-110			
Matrix Spike (2404065-MS1)				**Source: E401162-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	486	20.0	250	211	110	80-120			
Matrix Spike Dup (2404065-MSD1)				**Source: E401162-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	469	20.0	250	211	103	80-120	3.65	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/31/24 16:20

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 1/29/2024 1:31:27PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	01/26/24 06:30	Work Order ID:	E401161
Phone:	(539) 573-4018	Date Logged In:	01/25/24 15:17	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/01/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E402079
Job Number:	01058-0007
Received:	2/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/14/24

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

Date Reported: 2/14/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E402079
Date Received: 2/8/2024 6:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/8/2024 6:00:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

BH04 24’ 5

BH04 29’ 6

QC Summary Data 7

QC - Volatile Organics by EPA 8021B 7

QC - Nonhalogenated Organics by EPA 8015D - GRO 8

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 9

QC - Anions by EPA 300.0/9056A 10

Definitions and Notes 11

Chain of Custody etc. 12

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/14/24 13:45

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04 24'	E402079-01A	Soil	02/05/24	02/08/24	Glass Jar, 2 oz.
BH04 29'	E402079-02A	Soil	02/05/24	02/08/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:45:18PM

BH04 24'

E402079-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Benzene	ND	0.0250	1	02/08/24	02/14/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/14/24	
Toluene	ND	0.0250	1	02/08/24	02/14/24	
o-Xylene	ND	0.0250	1	02/08/24	02/14/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/14/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*02/08/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*02/08/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406099
Diesel Range Organics (C10-C28)	**25.2**	25.0	1	02/09/24	02/10/24	T17
Oil Range Organics (C28-C36)	ND	50.0	1	02/09/24	02/10/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*02/09/24*	*02/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406085
Chloride	**239**	200	10	02/08/24	02/08/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:45:18PM

BH04 29'

E402079-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Benzene	ND	0.0250	1	02/08/24	02/14/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/14/24	
Toluene	ND	0.0250	1	02/08/24	02/14/24	
o-Xylene	ND	0.0250	1	02/08/24	02/14/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/14/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.0 %*	*70-130*	*02/08/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*02/08/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/09/24	02/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/09/24	02/10/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*02/09/24*	*02/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406085
Chloride	**204**	200	10	02/08/24	02/08/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:45:18PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406083-BLK1)									Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			
LCS (2406083-BS1)									Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
o-Xylene	5.16	0.0250	5.00		103	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.54*		*8.00*		*94.3*	*70-130*			
Matrix Spike (2406083-MS1)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	5.15	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
Toluene	5.16	0.0250	5.00	ND	103	61-130			
o-Xylene	5.09	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.2*	*70-130*			
Matrix Spike Dup (2406083-MSD1)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	4.82	0.0250	5.00	ND	96.4	54-133	6.53	20	
Ethylbenzene	4.71	0.0250	5.00	ND	94.2	61-133	6.54	20	
Toluene	4.83	0.0250	5.00	ND	96.5	61-130	6.64	20	
o-Xylene	4.76	0.0250	5.00	ND	95.3	63-131	6.66	20	
p,m-Xylene	9.61	0.0500	10.0	ND	96.1	63-131	6.47	20	
Total Xylenes	14.4	0.0250	15.0	ND	95.9	63-131	6.53	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:45:18PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406083-BLK1)									Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2406083-BS2)									Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike (2406083-MS2)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	ND	85.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike Dup (2406083-MSD2)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.2	70-130	4.12	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.4*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:45:18PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406099-BLK1)									Prepared: 02/09/24 Analyzed: 02/10/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.4*		*50.0*		*115*	*50-200*			
LCS (2406099-BS1)									Prepared: 02/09/24 Analyzed: 02/10/24
Diesel Range Organics (C10-C28)	279	25.0	250		112	38-132			
Surrogate: n-Nonane	*57.6*		*50.0*		*115*	*50-200*			
Matrix Spike (2406099-MS1)				**Source: E402065-02**					Prepared: 02/09/24 Analyzed: 02/10/24
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	38-132			
Surrogate: n-Nonane	*58.3*		*50.0*		*117*	*50-200*			
Matrix Spike Dup (2406099-MSD1)				**Source: E402065-02**					Prepared: 02/09/24 Analyzed: 02/10/24
Diesel Range Organics (C10-C28)	291	25.0	250	ND	116	38-132	2.46	20	
Surrogate: n-Nonane	*58.7*		*50.0*		*117*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:45:18PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406085-BLK1)									Prepared: 02/08/24 Analyzed: 02/08/24
Chloride	ND	20.0							
LCS (2406085-BS1)									Prepared: 02/08/24 Analyzed: 02/08/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2406085-MS1)				**Source: E402074-03**					Prepared: 02/08/24 Analyzed: 02/08/24
Chloride	3600	200	250	3210	155	80-120			M4
Matrix Spike Dup (2406085-MSD1)				**Source: E402074-03**					Prepared: 02/08/24 Analyzed: 02/08/24
Chloride	3430	200	250	3210	88.2	80-120	4.73	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/14/24 13:45

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
T17	The sample chromatographic pattern does not resemble the typical fuel standard used for quantitation.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	**Bill To**	Lab Use Only	TAT / EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E402079	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 Day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		CWA / SDWA / RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21196155		
Collected by: Gilbert Moreno	Incident ID: nAB161956595		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
10:00	2.5.24	S	1	BH04	1	24'								X				
10:20	2.5.24	S	1	BH04	2	29'								X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2.7.24	10:45	Michelle Garcia	2-7-24	1045
Michelle Garcia	2-7-24	1600	Andrew Mesa	2-7-24	1800
Andrew Mesa	2.7.24	2400	Mayte R Hall	2-8-24	0600

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 2/8/2024 8:18:16AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/08/24 06:00	Work Order ID:	E402079
Phone:	(539) 573-4018	Date Logged In:	02/07/24 15:38	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/14/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E401169
Job Number:	01058-0007
Received:	1/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/2/24

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

Date Reported: 2/2/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E401169
Date Received: 1/26/2024 6:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/26/2024 6:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH05 0.5’ 5
- BH05 4’ 6
- BH05 10’ 7
- BH05 15’ 8
- BH05 19’ 9
- BH05 24’ 10

QC Summary Data 11

- QC - Volatile Organics by EPA 8021B 11
- QC - Nonhalogenated Organics by EPA 8015D - GRO 12
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13
- QC - Anions by EPA 300.0/9056A 14

Definitions and Notes 15

Chain of Custody etc. 16

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/02/24 14:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05 0.5'	E401169-01A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH05 4'	E401169-02A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH05 10'	E401169-03A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH05 15'	E401169-04A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH05 19'	E401169-05A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH05 24'	E401169-06A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:43:30PM

BH05 0.5'

E401169-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.5 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*81.7 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405016
Chloride	**4120**	40.0	2	01/29/24	01/29/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:43:30PM

BH05 4'

E401169-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.5 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*82.6 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405016
Chloride	**461**	20.0	1	01/29/24	01/29/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:43:30PM

BH05 10'

E401169-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.2 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*86.5 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405016
Chloride	**246**	20.0	1	01/29/24	01/29/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:43:30PM

BH05 15'

E401169-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*81.2 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405016
Chloride	**175**	20.0	1	01/29/24	01/29/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:43:30PM

BH05 19'

E401169-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.9 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*81.2 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405016
Chloride	**1430**	20.0	1	01/29/24	01/29/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:43:30PM

BH05 24'

E401169-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.3 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*80.0 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405016
Chloride	**348**	200	10	01/29/24	01/29/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:43:30PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404056-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.81*		*8.00*		*97.6*	*70-130*			
LCS (2404056-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	5.13	0.0250	5.00		103	70-130			
Ethylbenzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.13	0.0250	5.00		103	70-130			
o-Xylene	5.09	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.88*		*8.00*		*98.5*	*70-130*			
Matrix Spike (2404056-MS1)				**Source: E401168-03**					Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	5.06	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61-133			
Toluene	5.06	0.0250	5.00	ND	101	61-130			
o-Xylene	5.01	0.0250	5.00	ND	100	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.61*		*8.00*		*95.1*	*70-130*			
Matrix Spike Dup (2404056-MSD1)				**Source: E401168-03**					Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	5.04	0.0250	5.00	ND	101	54-133	0.443	20	
Ethylbenzene	5.00	0.0250	5.00	ND	100	61-133	0.247	20	
Toluene	5.04	0.0250	5.00	ND	101	61-130	0.322	20	
o-Xylene	5.02	0.0250	5.00	ND	100	63-131	0.260	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	0.300	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	0.287	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.80*		*8.00*		*97.5*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:43:30PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404056-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.6*	*70-130*			
LCS (2404056-BS2)									Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	52.5	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.4*	*70-130*			
Matrix Spike (2404056-MS2)				**Source: E401168-03**					Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.52*		*8.00*		*94.1*	*70-130*			
Matrix Spike Dup (2404056-MSD2)				**Source: E401168-03**					Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.7	70-130	1.73	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.66*		*8.00*		*95.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:43:30PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404064-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*44.4*		*50.0*		*88.8*	*50-200*			
LCS (2404064-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	214	25.0	250		85.7	38-132			
Surrogate: n-Nonane	*44.7*		*50.0*		*89.4*	*50-200*			
Matrix Spike (2404064-MS1)				**Source: E401169-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	228	25.0	250	ND	91.0	38-132			
Surrogate: n-Nonane	*46.0*		*50.0*		*92.0*	*50-200*			
Matrix Spike Dup (2404064-MSD1)				**Source: E401169-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.5	38-132	6.85	20	
Surrogate: n-Nonane	*48.2*		*50.0*		*96.4*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:43:30PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405016-BLK1)									Prepared: 01/29/24 Analyzed: 01/29/24
Chloride	ND	20.0							
LCS (2405016-BS1)									Prepared: 01/29/24 Analyzed: 01/29/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2405016-MS1)				**Source: E401169-02**					Prepared: 01/29/24 Analyzed: 01/29/24
Chloride	749	20.0	250	461	115	80-120			
Matrix Spike Dup (2405016-MSD1)				**Source: E401169-02**					Prepared: 01/29/24 Analyzed: 01/29/24
Chloride	739	20.0	250	461	111	80-120	1.37	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/02/24 14:43

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	**Bill To**	Lab Use Only	TAT / EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E401169	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.	1D 2D 3D Standard: 5 Day TAT	CWA / SDWA / RCRA
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21196155		
Collected by: Gilbert Moreno	Incident ID: nAB161956595		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
10:20	1.24.24	S	1	BH05	1	0.5'								X				
10:25	1.24.24	S	1	BH05	2	4'								X				
10:30	1.24.24	S	1	BH05	3	10'								X				
10:35	1.24.24	S	1	BH05	4	15'								X				
10:40	1.24.24	S	1	BH05	5	19'								X				
10:45	1.24.24	S	1	BH05	6	24'								X				

State: NM x | CO | UT | AZ | TX

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/24/24	6:52	Michelle Garcia	1-24-24	1852
Michelle Garcia	1.25.24	1400	Andrew Hobbs	1-25-24	1630
Andrew Hobbs	1-25-24	2330	Kayla R Hall	1-26-24	0630

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

envirotech

Envirotech Analytical Laboratory

Printed: 1/26/2024 1:35:11PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	01/26/24 06:30	Work Order ID:	E401169
Phone:	(539) 573-4018	Date Logged In:	01/25/24 15:21	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/01/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E401162
Job Number:	01058-0007
Received:	1/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/31/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 1/31/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E401162
Date Received: 1/26/2024 6:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/26/2024 6:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH06 0.5’ 5
- BH06 4’ 6
- BH06 10’ 7
- BH06 15’ 8
- BH06 20’ 9
- BH06 24’ 10

QC Summary Data 11

- QC - Volatile Organics by EPA 8021B 11
- QC - Nonhalogenated Organics by EPA 8015D - GRO 12
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13
- QC - Anions by EPA 300.0/9056A 14

Definitions and Notes 15

Chain of Custody etc. 16

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/31/24 16:22

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH06 0.5'	E401162-01A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH06 4'	E401162-02A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH06 10'	E401162-03A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH06 15'	E401162-04A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH06 20'	E401162-05A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH06 24'	E401162-06A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:22:38PM

BH06 0.5'

E401162-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/26/24	
Surrogate: n-Nonane		*87.3 %*	*50-200*	*01/26/24*	*01/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404065
Chloride	**93.8**	20.0	1	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:22:38PM

BH06 4'

E401162-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.8 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/26/24	
Surrogate: n-Nonane		*77.3 %*	*50-200*	*01/26/24*	*01/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404065
Chloride	**211**	20.0	1	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:22:38PM

BH06 10'

E401162-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.6 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/26/24	
Surrogate: n-Nonane		*76.9 %*	*50-200*	*01/26/24*	*01/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404065
Chloride	**79.2**	20.0	1	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:22:38PM

BH06 15'

E401162-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/26/24	
Surrogate: n-Nonane		*80.3 %*	*50-200*	*01/26/24*	*01/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404065
Chloride	**142**	20.0	1	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:22:38PM

BH06 20'

E401162-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.3 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/26/24	
Surrogate: n-Nonane		*81.2 %*	*50-200*	*01/26/24*	*01/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404065
Chloride	**656**	20.0	1	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:22:38PM

BH06 24'

E401162-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.0 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/26/24	
Surrogate: n-Nonane		*82.7 %*	*50-200*	*01/26/24*	*01/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404065
Chloride	**1010**	20.0	1	01/26/24	01/26/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:22:38PM

Volatile Organics by EPA 8021B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404052-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.79*		*8.00*		*97.4*	*70-130*			
LCS (2404052-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	5.02	0.0250	5.00		100	70-130			
Ethylbenzene	4.86	0.0250	5.00		97.1	70-130			
Toluene	5.04	0.0250	5.00		101	70-130			
o-Xylene	5.00	0.0250	5.00		100	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.83*		*8.00*		*97.9*	*70-130*			
Matrix Spike (2404052-MS1)				**Source: E401161-01**					Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	4.38	0.0250	5.00	ND	87.7	54-133			
Ethylbenzene	4.25	0.0250	5.00	ND	85.0	61-133			
Toluene	4.41	0.0250	5.00	ND	88.2	61-130			
o-Xylene	4.41	0.0250	5.00	ND	88.3	63-131			
p,m-Xylene	8.81	0.0500	10.0	ND	88.1	63-131			
Total Xylenes	13.2	0.0250	15.0	ND	88.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.0*	*70-130*			
Matrix Spike Dup (2404052-MSD1)				**Source: E401161-01**					Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	4.90	0.0250	5.00	ND	97.9	54-133	11.0	20	
Ethylbenzene	4.75	0.0250	5.00	ND	94.9	61-133	11.0	20	
Toluene	4.92	0.0250	5.00	ND	98.4	61-130	10.9	20	
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131	10.2	20	
p,m-Xylene	9.81	0.0500	10.0	ND	98.1	63-131	10.7	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.0	63-131	10.5	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.0*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:22:38PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404052-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.17*		*8.00*		*89.7*	*70-130*			
LCS (2404052-BS2)									Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	43.9	20.0	50.0		87.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.32*		*8.00*		*91.4*	*70-130*			
Matrix Spike (2404052-MS2)				**Source: E401161-01**					Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	40.3	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.23*		*8.00*		*90.4*	*70-130*			
Matrix Spike Dup (2404052-MSD2)				**Source: E401161-01**					Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	39.9	20.0	50.0	ND	79.7	70-130	1.20	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.2*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:22:38PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404064-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*44.4*		*50.0*		*88.8*	*50-200*			
LCS (2404064-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	214	25.0	250		85.7	38-132			
Surrogate: n-Nonane	*44.7*		*50.0*		*89.4*	*50-200*			
Matrix Spike (2404064-MS1)				**Source: E401169-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	228	25.0	250	ND	91.0	38-132			
Surrogate: n-Nonane	*46.0*		*50.0*		*92.0*	*50-200*			
Matrix Spike Dup (2404064-MSD1)				**Source: E401169-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.5	38-132	6.85	20	
Surrogate: n-Nonane	*48.2*		*50.0*		*96.4*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:22:38PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404065-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	ND	20.0							
LCS (2404065-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	247	20.0	250		98.6	90-110			
Matrix Spike (2404065-MS1)				**Source: E401162-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	486	20.0	250	211	110	80-120			
Matrix Spike Dup (2404065-MSD1)				**Source: E401162-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	469	20.0	250	211	103	80-120	3.65	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/31/24 16:22

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	**Bill To**	Lab Use Only	TAT / EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E401162	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 Day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		CWA SDWA RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21196155		
Collected by: Gilbert Moreno	Incident ID: nAB161956595		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
11:00	1.24.24	S	1	BH06	1	0.5'								X				
11:05	1.24.24	S	1	BH06	2	4'								X				
11:10	1.24.24	S	1	BH06	3	10'								X				
11:15	1.24.24	S	1	BH06	4	15'								X				
11:20	1.24.24	S	1	BH06	5	20'								X				
11:25	1.24.24	S	1	BH06	6	24'								X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/24/24	6:52	Michelle Garcia	1-24-24	1852
Michelle Garcia	1-25-24	1400	Andrew Hobbs	1-25-24	1630
Andrew Hobbs	1-25-24	2330	Kayla R Hall	1-26-24	0630

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 1/29/2024 1:27:11PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	01/26/24 06:30	Work Order ID:	E401162
Phone:	(539) 573-4018	Date Logged In:	01/25/24 15:18	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/01/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E402081
Job Number:	01058-0007
Received:	2/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/14/24

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

Date Reported: 2/14/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E402081
Date Received: 2/8/2024 6:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/8/2024 6:00:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

BH06 29’ 5

QC Summary Data 6

QC - Volatile Organics by EPA 8021B 6

QC - Nonhalogenated Organics by EPA 8015D - GRO 7

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 8

QC - Anions by EPA 300.0/9056A 9

Definitions and Notes 10

Chain of Custody etc. 11

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/14/24 13:42

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH06 29'	E402081-01A	Soil	02/05/24	02/08/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:42:31PM

BH06 29'

E402081-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Benzene	ND	0.0250	1	02/08/24	02/14/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/14/24	
Toluene	ND	0.0250	1	02/08/24	02/14/24	
o-Xylene	ND	0.0250	1	02/08/24	02/14/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/14/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*02/08/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*02/08/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407018
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/24	02/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/24	02/12/24	
Surrogate: n-Nonane		*87.7 %*	*50-200*	*02/12/24*	*02/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406107
Chloride	**423**	200	10	02/09/24	02/09/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:42:31PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406083-BLK1)									Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			
LCS (2406083-BS1)									Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
o-Xylene	5.16	0.0250	5.00		103	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.54*		*8.00*		*94.3*	*70-130*			
Matrix Spike (2406083-MS1)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	5.15	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
Toluene	5.16	0.0250	5.00	ND	103	61-130			
o-Xylene	5.09	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.2*	*70-130*			
Matrix Spike Dup (2406083-MSD1)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	4.82	0.0250	5.00	ND	96.4	54-133	6.53	20	
Ethylbenzene	4.71	0.0250	5.00	ND	94.2	61-133	6.54	20	
Toluene	4.83	0.0250	5.00	ND	96.5	61-130	6.64	20	
o-Xylene	4.76	0.0250	5.00	ND	95.3	63-131	6.66	20	
p,m-Xylene	9.61	0.0500	10.0	ND	96.1	63-131	6.47	20	
Total Xylenes	14.4	0.0250	15.0	ND	95.9	63-131	6.53	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:42:31PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406083-BLK1)									Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2406083-BS2)									Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike (2406083-MS2)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	ND	85.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike Dup (2406083-MSD2)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.2	70-130	4.12	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.4*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:42:31PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407018-BLK1)									Prepared: 02/12/24 Analyzed: 02/12/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*41.1*		*50.0*		*82.1*	*50-200*			
LCS (2407018-BS1)									Prepared: 02/12/24 Analyzed: 02/12/24
Diesel Range Organics (C10-C28)	214	25.0	250		85.4	38-132			
Surrogate: n-Nonane	*39.8*		*50.0*		*79.7*	*50-200*			
Matrix Spike (2407018-MS1)				**Source: E402075-23**					Prepared: 02/12/24 Analyzed: 02/12/24
Diesel Range Organics (C10-C28)	877	25.0	250	707	68.1	38-132			
Surrogate: n-Nonane	*41.8*		*50.0*		*83.5*	*50-200*			
Matrix Spike Dup (2407018-MSD1)				**Source: E402075-23**					Prepared: 02/12/24 Analyzed: 02/12/24
Diesel Range Organics (C10-C28)	938	25.0	250	707	92.5	38-132	6.72	20	
Surrogate: n-Nonane	*42.5*		*50.0*		*85.1*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:42:31PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406107-BLK1)									Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	ND	20.0							
LCS (2406107-BS1)									Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2406107-MS1)				**Source: E402075-24**					Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	278	20.0	250	24.3	101	80-120			
Matrix Spike Dup (2406107-MSD1)				**Source: E402075-24**					Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	275	20.0	250	24.3	100	80-120	1.16	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/14/24 13:42

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 2/8/2024 8:13:40AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/08/24 06:00	Work Order ID:	E402081
Phone:	(539) 573-4018	Date Logged In:	02/07/24 15:40	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/14/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E402082
Job Number:	01058-0007
Received:	2/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/14/24

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

Date Reported: 2/14/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E402082
Date Received: 2/8/2024 6:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/8/2024 6:00:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

BH06 29’ 5

QC Summary Data 6

QC - Volatile Organics by EPA 8021B 6

QC - Nonhalogenated Organics by EPA 8015D - GRO 7

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 8

QC - Anions by EPA 300.0/9056A 9

Definitions and Notes 10

Chain of Custody etc. 11

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/14/24 14:07

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH06 29'	E402082-01A	Soil	02/05/24	02/08/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 2:07:15PM

BH06 29'

E402082-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Benzene	ND	0.0250	1	02/08/24	02/14/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/14/24	
Toluene	ND	0.0250	1	02/08/24	02/14/24	
o-Xylene	ND	0.0250	1	02/08/24	02/14/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/14/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*02/08/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*02/08/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407018
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/24	02/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/24	02/13/24	
Surrogate: n-Nonane		*85.3 %*	*50-200*	*02/12/24*	*02/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2406107
Chloride	ND	200	10	02/09/24	02/10/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 2:07:15PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406083-BLK1)									Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			
LCS (2406083-BS1)									Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
o-Xylene	5.16	0.0250	5.00		103	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.54*		*8.00*		*94.3*	*70-130*			
Matrix Spike (2406083-MS1)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	5.15	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
Toluene	5.16	0.0250	5.00	ND	103	61-130			
o-Xylene	5.09	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.2*	*70-130*			
Matrix Spike Dup (2406083-MSD1)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	4.82	0.0250	5.00	ND	96.4	54-133	6.53	20	
Ethylbenzene	4.71	0.0250	5.00	ND	94.2	61-133	6.54	20	
Toluene	4.83	0.0250	5.00	ND	96.5	61-130	6.64	20	
o-Xylene	4.76	0.0250	5.00	ND	95.3	63-131	6.66	20	
p,m-Xylene	9.61	0.0500	10.0	ND	96.1	63-131	6.47	20	
Total Xylenes	14.4	0.0250	15.0	ND	95.9	63-131	6.53	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 2:07:15PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406083-BLK1)									Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2406083-BS2)									Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike (2406083-MS2)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	ND	85.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike Dup (2406083-MSD2)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.2	70-130	4.12	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.4*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 2:07:15PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407018-BLK1)									Prepared: 02/12/24 Analyzed: 02/12/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*41.1*		*50.0*		*82.1*	*50-200*			
LCS (2407018-BS1)									Prepared: 02/12/24 Analyzed: 02/12/24
Diesel Range Organics (C10-C28)	214	25.0	250		85.4	38-132			
Surrogate: n-Nonane	*39.8*		*50.0*		*79.7*	*50-200*			
Matrix Spike (2407018-MS1)				**Source: E402075-23**					Prepared: 02/12/24 Analyzed: 02/12/24
Diesel Range Organics (C10-C28)	877	25.0	250	707	68.1	38-132			
Surrogate: n-Nonane	*41.8*		*50.0*		*83.5*	*50-200*			
Matrix Spike Dup (2407018-MSD1)				**Source: E402075-23**					Prepared: 02/12/24 Analyzed: 02/12/24
Diesel Range Organics (C10-C28)	938	25.0	250	707	92.5	38-132	6.72	20	
Surrogate: n-Nonane	*42.5*		*50.0*		*85.1*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 2:07:15PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406107-BLK1)									Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	ND	20.0							
LCS (2406107-BS1)									Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2406107-MS1)				**Source: E402075-24**					Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	278	20.0	250	24.3	101	80-120			
Matrix Spike Dup (2406107-MSD1)				**Source: E402075-24**					Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	275	20.0	250	24.3	100	80-120	1.16	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/14/24 14:07

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 2/8/2024 8:10:58AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/08/24 06:00	Work Order ID:	E402082
Phone:	(539) 573-4018	Date Logged In:	02/07/24 15:40	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/14/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E401164
Job Number:	01058-0007
Received:	1/26/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/2/24

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

Date Reported: 2/2/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E401164
Date Received: 1/26/2024 6:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/26/2024 6:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH07 0.5’ 5
- BH07 4’ 6
- BH07 10’ 7
- BH07 15’ 8
- BH07 19’ 9

QC Summary Data 10

- QC - Volatile Organics by EPA 8021B 10
- QC - Nonhalogenated Organics by EPA 8015D - GRO 11
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 12
- QC - Anions by EPA 300.0/9056A 13

Definitions and Notes 14

Chain of Custody etc. 15

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/02/24 15:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH07 0.5'	E401164-01A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH07 4'	E401164-02A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH07 10'	E401164-03A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH07 15'	E401164-04A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH07 19'	E401164-05A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 3:48:21PM

BH07 0.5'

E401164-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405002
Diesel Range Organics (C10-C28)	**1810**	125	5	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	**1060**	250	5	01/29/24	01/29/24	
Surrogate: n-Nonane		*84.4 %*	*50-200*	*01/29/24*	*01/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	**2800**	40.0	2	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 3:48:21PM

BH07 4'

E401164-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405002
Diesel Range Organics (C10-C28)	**165**	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	**122**	50.0	1	01/29/24	01/29/24	
Surrogate: n-Nonane		*84.4 %*	*50-200*	*01/29/24*	*01/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	**484**	20.0	1	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 3:48:21PM

BH07 10'

E401164-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/29/24	
Surrogate: n-Nonane		*82.3 %*	*50-200*	*01/29/24*	*01/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	**129**	20.0	1	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 3:48:21PM

BH07 15'

E401164-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.4 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/29/24	
Surrogate: n-Nonane		*81.3 %*	*50-200*	*01/29/24*	*01/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	**302**	20.0	1	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 3:48:21PM

BH07 19'

E401164-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/29/24	
Surrogate: n-Nonane		*77.5 %*	*50-200*	*01/29/24*	*01/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	**576**	20.0	1	01/31/24	01/31/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 3:48:21PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404067-BLK1)									Prepared: 01/26/24 Analyzed: 01/27/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.39*		*8.00*		*92.4*	*70-130*			
LCS (2404067-BS1)									Prepared: 01/26/24 Analyzed: 01/27/24
Benzene	4.94	0.0250	5.00		98.8	70-130			
Ethylbenzene	4.86	0.0250	5.00		97.1	70-130			
Toluene	4.92	0.0250	5.00		98.5	70-130			
o-Xylene	4.85	0.0250	5.00		97.1	70-130			
p,m-Xylene	9.85	0.0500	10.0		98.5	70-130			
Total Xylenes	14.7	0.0250	15.0		98.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.53*		*8.00*		*94.1*	*70-130*			
Matrix Spike (2404067-MS1)				**Source: E401164-03**					Prepared: 01/26/24 Analyzed: 01/27/24
Benzene	4.81	0.0250	5.00	ND	96.1	54-133			
Ethylbenzene	4.72	0.0250	5.00	ND	94.3	61-133			
Toluene	4.79	0.0250	5.00	ND	95.8	61-130			
o-Xylene	4.73	0.0250	5.00	ND	94.5	63-131			
p,m-Xylene	9.60	0.0500	10.0	ND	96.0	63-131			
Total Xylenes	14.3	0.0250	15.0	ND	95.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.2*	*70-130*			
Matrix Spike Dup (2404067-MSD1)				**Source: E401164-03**					Prepared: 01/26/24 Analyzed: 01/27/24
Benzene	5.17	0.0250	5.00	ND	103	54-133	7.29	20	
Ethylbenzene	5.07	0.0250	5.00	ND	101	61-133	7.20	20	
Toluene	5.14	0.0250	5.00	ND	103	61-130	7.09	20	
o-Xylene	5.08	0.0250	5.00	ND	102	63-131	7.14	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	7.11	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	7.12	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 3:48:21PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404067-BLK1)									Prepared: 01/26/24 Analyzed: 01/27/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.62*		*8.00*		*95.3*	*70-130*			
LCS (2404067-BS2)									Prepared: 01/26/24 Analyzed: 01/27/24
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.70*		*8.00*		*96.3*	*70-130*			
Matrix Spike (2404067-MS2)				**Source: E401164-03**					Prepared: 01/26/24 Analyzed: 01/27/24
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.78*		*8.00*		*97.3*	*70-130*			
Matrix Spike Dup (2404067-MSD2)				**Source: E401164-03**					Prepared: 01/26/24 Analyzed: 01/27/24
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.4	70-130	2.64	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 3:48:21PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405002-BLK1)									Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*43.1*		*50.0*		*86.2*	*50-200*			
LCS (2405002-BS1)									Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	212	25.0	250		85.0	38-132			
Surrogate: n-Nonane	*43.4*		*50.0*		*86.8*	*50-200*			
Matrix Spike (2405002-MS1)				**Source: E401164-03**					Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.0	38-132			
Surrogate: n-Nonane	*40.8*		*50.0*		*81.5*	*50-200*			
Matrix Spike Dup (2405002-MSD1)				**Source: E401164-03**					Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	208	25.0	250	ND	83.2	38-132	4.45	20	
Surrogate: n-Nonane	*43.9*		*50.0*		*87.7*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 3:48:21PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405005-BLK1)									Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	ND	20.0							
LCS (2405005-BS1)									Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2405005-MS1)				**Source: E401167-01**					Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	3320	40.0	250	3060	105	80-120			
Matrix Spike Dup (2405005-MSD1)				**Source: E401167-01**					Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	3300	40.0	250	3060	98.6	80-120	0.489	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/02/24 15:48

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	**Bill To**	Lab Use Only	TAT / EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E401164	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 Day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		CWA SDWA RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21196155		
Collected by: Gilbert Moreno	Incident ID: nAB161956595		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
11:30	1.24.24	S	1	BH07	1	0.5'								X				
11:35	1.24.24	S	1	BH07	2	4'								X				
11:40	1.24.24	S	1	BH07	3	10'								X				
11:45	1.24.24	S	1	BH07	4	15'								X				
11:50	1.24.24	S	1	BH07	5	19'								X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/24/24	6:52		1-24-24	1852
	1-25-24	1400		1-25-24	1630
	1-25-24	2330		1-26-24	0630

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

envirotech

Envirotech Analytical Laboratory

Printed: 1/26/2024 12:27:55PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	01/26/24 06:30	Work Order ID:	E401164
Phone:	(539) 573-4018	Date Logged In:	01/25/24 15:18	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/01/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E401167
Job Number:	01058-0007
Received:	1/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/2/24

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

Date Reported: 2/2/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E401167
Date Received: 1/26/2024 6:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/26/2024 6:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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mgonzales@envirotech-inc.com

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH08 0.5’ 5
- BH08 4’ 6
- BH08 10’ 7
- BH08 15’ 8
- BH08 19’ 9

QC Summary Data 10

- QC - Volatile Organics by EPA 8021B 10
- QC - Nonhalogenated Organics by EPA 8015D - GRO 11
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 12
- QC - Anions by EPA 300.0/9056A 13

Definitions and Notes 14

Chain of Custody etc. 15

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/02/24 14:40

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH08 0.5'	E401167-01A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH08 4'	E401167-02A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH08 10'	E401167-03A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH08 15'	E401167-04A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH08 19'	E401167-05A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:40:39PM

BH08 0.5'

E401167-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.3 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane		*85.0 %*	*50-200*	*01/29/24*	*01/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	**3060**	40.0	2	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:40:39PM

BH08 4'

E401167-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.5 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane		*84.0 %*	*50-200*	*01/29/24*	*01/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	**279**	20.0	1	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:40:39PM

BH08 10'

E401167-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane		*81.4 %*	*50-200*	*01/29/24*	*01/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	**162**	20.0	1	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:40:39PM

BH08 15'

E401167-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane		*81.3 %*	*50-200*	*01/29/24*	*01/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	**409**	20.0	1	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:40:39PM

BH08 19'

E401167-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.1 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2404067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane		*87.5 %*	*50-200*	*01/29/24*	*01/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	**311**	20.0	1	01/31/24	01/31/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:40:39PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404067-BLK1)									Prepared: 01/26/24 Analyzed: 01/27/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.39*		*8.00*		*92.4*	*70-130*			
LCS (2404067-BS1)									Prepared: 01/26/24 Analyzed: 01/27/24
Benzene	4.94	0.0250	5.00		98.8	70-130			
Ethylbenzene	4.86	0.0250	5.00		97.1	70-130			
Toluene	4.92	0.0250	5.00		98.5	70-130			
o-Xylene	4.85	0.0250	5.00		97.1	70-130			
p,m-Xylene	9.85	0.0500	10.0		98.5	70-130			
Total Xylenes	14.7	0.0250	15.0		98.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.53*		*8.00*		*94.1*	*70-130*			
Matrix Spike (2404067-MS1)				**Source: E401164-03**					Prepared: 01/26/24 Analyzed: 01/27/24
Benzene	4.81	0.0250	5.00	ND	96.1	54-133			
Ethylbenzene	4.72	0.0250	5.00	ND	94.3	61-133			
Toluene	4.79	0.0250	5.00	ND	95.8	61-130			
o-Xylene	4.73	0.0250	5.00	ND	94.5	63-131			
p,m-Xylene	9.60	0.0500	10.0	ND	96.0	63-131			
Total Xylenes	14.3	0.0250	15.0	ND	95.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.2*	*70-130*			
Matrix Spike Dup (2404067-MSD1)				**Source: E401164-03**					Prepared: 01/26/24 Analyzed: 01/27/24
Benzene	5.17	0.0250	5.00	ND	103	54-133	7.29	20	
Ethylbenzene	5.07	0.0250	5.00	ND	101	61-133	7.20	20	
Toluene	5.14	0.0250	5.00	ND	103	61-130	7.09	20	
o-Xylene	5.08	0.0250	5.00	ND	102	63-131	7.14	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	7.11	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	7.12	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:40:39PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404067-BLK1)									Prepared: 01/26/24 Analyzed: 01/27/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.62*		*8.00*		*95.3*	*70-130*			
LCS (2404067-BS2)									Prepared: 01/26/24 Analyzed: 01/27/24
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.70*		*8.00*		*96.3*	*70-130*			
Matrix Spike (2404067-MS2)				**Source: E401164-03**					Prepared: 01/26/24 Analyzed: 01/27/24
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.78*		*8.00*		*97.3*	*70-130*			
Matrix Spike Dup (2404067-MSD2)				**Source: E401164-03**					Prepared: 01/26/24 Analyzed: 01/27/24
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.4	70-130	2.64	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:40:39PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405002-BLK1)									Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*43.1*		*50.0*		*86.2*	*50-200*			
LCS (2405002-BS1)									Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	212	25.0	250		85.0	38-132			
Surrogate: n-Nonane	*43.4*		*50.0*		*86.8*	*50-200*			
Matrix Spike (2405002-MS1)				**Source: E401164-03**					Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.0	38-132			
Surrogate: n-Nonane	*40.8*		*50.0*		*81.5*	*50-200*			
Matrix Spike Dup (2405002-MSD1)				**Source: E401164-03**					Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	208	25.0	250	ND	83.2	38-132	4.45	20	
Surrogate: n-Nonane	*43.9*		*50.0*		*87.7*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:40:39PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405005-BLK1)									Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	ND	20.0							
LCS (2405005-BS1)									Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2405005-MS1)				**Source: E401167-01**					Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	3320	40.0	250	3060	105	80-120			
Matrix Spike Dup (2405005-MSD1)				**Source: E401167-01**					Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	3300	40.0	250	3060	98.6	80-120	0.489	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/02/24 14:40

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	**Bill To**	Lab Use Only	TAT / EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E401167	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 Day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		CWA SDWA RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21196155		
Collected by: Gilbert Moreno	Incident ID: nAB161956595		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
11:55	1.24.24	S	1	BH08	1	0.5'								X				
12:00	1.24.24	S	1	BH08	2	4'								X				
12:05	1.24.24	S	1	BH08	3	10'								X				
12:10	1.24.24	S	1	BH08	4	15'								X				
12:15	1.24.24	S	1	BH08	5	19'								X				

Additional Instructions:

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

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

	Date	Time		Date	Time
Relinquished by: (Signature)	1/24/24	6:52	Received by: (Signature)	1-24-24	1852
Relinquished by: (Signature)	1-25-24	1400	Received by: (Signature)	1-25-24	1630
Relinquished by: (Signature)	1-25-24	2330	Received by: (Signature)	1-26-24	0630

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

envirotech

Envirotech Analytical Laboratory

Printed: 1/26/2024 11:38:35AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	01/26/24 06:30	Work Order ID:	E401167
Phone:	(539) 573-4018	Date Logged In:	01/25/24 15:20	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/01/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E402080
Job Number:	01058-0007
Received:	2/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/14/24

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

Date Reported: 2/14/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E402080
Date Received: 2/8/2024 6:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/8/2024 6:00:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
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Field Offices:

Southern New Mexico Area

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

BH08 24’ 5

BH08 29’ 6

QC Summary Data 7

QC - Volatile Organics by EPA 8021B 7

QC - Nonhalogenated Organics by EPA 8015D - GRO 8

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 9

QC - Anions by EPA 300.0/9056A 10

Definitions and Notes 11

Chain of Custody etc. 12

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/14/24 13:44

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH08 24'	E402080-01A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
BH08 29'	E402080-02A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:44:28PM

BH08 24'

E402080-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Benzene	ND	0.0250	1	02/08/24	02/14/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/14/24	
Toluene	ND	0.0250	1	02/08/24	02/14/24	
o-Xylene	ND	0.0250	1	02/08/24	02/14/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/14/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*02/08/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*02/08/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/09/24	02/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/09/24	02/10/24	
Surrogate: n-Nonane		*98.2 %*	*50-200*	*02/09/24*	*02/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406091
Chloride	**791**	20.0	1	02/08/24	02/09/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:44:28PM

BH08 29'

E402080-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Benzene	ND	0.0250	1	02/08/24	02/14/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/14/24	
Toluene	ND	0.0250	1	02/08/24	02/14/24	
o-Xylene	ND	0.0250	1	02/08/24	02/14/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/14/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.0 %*	*70-130*	*02/08/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*02/08/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/09/24	02/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/09/24	02/10/24	
Surrogate: n-Nonane		*95.6 %*	*50-200*	*02/09/24*	*02/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406091
Chloride	**489**	200	10	02/08/24	02/09/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:44:28PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406083-BLK1)									Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			
LCS (2406083-BS1)									Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
o-Xylene	5.16	0.0250	5.00		103	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.54*		*8.00*		*94.3*	*70-130*			
Matrix Spike (2406083-MS1)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	5.15	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
Toluene	5.16	0.0250	5.00	ND	103	61-130			
o-Xylene	5.09	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.2*	*70-130*			
Matrix Spike Dup (2406083-MSD1)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	4.82	0.0250	5.00	ND	96.4	54-133	6.53	20	
Ethylbenzene	4.71	0.0250	5.00	ND	94.2	61-133	6.54	20	
Toluene	4.83	0.0250	5.00	ND	96.5	61-130	6.64	20	
o-Xylene	4.76	0.0250	5.00	ND	95.3	63-131	6.66	20	
p,m-Xylene	9.61	0.0500	10.0	ND	96.1	63-131	6.47	20	
Total Xylenes	14.4	0.0250	15.0	ND	95.9	63-131	6.53	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:44:28PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406083-BLK1)									Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2406083-BS2)									Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike (2406083-MS2)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	ND	85.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike Dup (2406083-MSD2)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.2	70-130	4.12	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.4*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:44:28PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406109-BLK1)									Prepared: 02/09/24 Analyzed: 02/09/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.0*		*50.0*		*94.0*	*50-200*			
LCS (2406109-BS1)									Prepared: 02/09/24 Analyzed: 02/09/24
Diesel Range Organics (C10-C28)	238	25.0	250		95.3	38-132			
Surrogate: n-Nonane	*48.6*		*50.0*		*97.2*	*50-200*			
Matrix Spike (2406109-MS1)				**Source: E402007-03**					Prepared: 02/09/24 Analyzed: 02/09/24
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	*36.5*		*50.0*		*73.0*	*50-200*			
Matrix Spike Dup (2406109-MSD1)				**Source: E402007-03**					Prepared: 02/09/24 Analyzed: 02/09/24
Diesel Range Organics (C10-C28)	261	25.0	250	ND	105	38-132	2.33	20	
Surrogate: n-Nonane	*42.0*		*50.0*		*83.9*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:44:28PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406091-BLK1)									Prepared: 02/08/24 Analyzed: 02/08/24
Chloride	ND	20.0							
LCS (2406091-BS1)									Prepared: 02/08/24 Analyzed: 02/08/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2406091-MS1)				**Source: E402057-04**					Prepared: 02/08/24 Analyzed: 02/08/24
Chloride	356	20.0	250	100	102	80-120			
Matrix Spike Dup (2406091-MSD1)				**Source: E402057-04**					Prepared: 02/08/24 Analyzed: 02/08/24
Chloride	347	20.0	250	100	98.6	80-120	2.69	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/14/24 13:44

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 2/8/2024 8:16:15AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/08/24 06:00	Work Order ID:	E402080
Phone:	(539) 573-4018	Date Logged In:	02/07/24 15:39	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/14/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E401168
Job Number:	01058-0007
Received:	1/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/2/24

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

Date Reported: 2/2/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E401168
Date Received: 1/26/2024 6:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/26/2024 6:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Raina Schwanz
Laboratory Administrator
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH09 0.5’ 5
- BH09 4’ 6
- BH09 10’ 7
- BH09 15’ 8
- BH09 19’ 9
- BH09 24’ 10

QC Summary Data 11

- QC - Volatile Organics by EPA 8021B 11
- QC - Nonhalogenated Organics by EPA 8015D - GRO 12
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13
- QC - Anions by EPA 300.0/9056A 14

Definitions and Notes 15

Chain of Custody etc. 16

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/02/24 14:42

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH09 0.5'	E401168-01A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH09 4'	E401168-02A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH09 10'	E401168-03A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH09 15'	E401168-04A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH09 19'	E401168-05A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH09 24'	E401168-06A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:42:12PM

BH09 0.5'

E401168-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.2 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405014
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/29/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*01/29/24*	*01/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	**2330**	20.0	1	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:42:12PM

BH09 4'

E401168-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405014
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/29/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*01/29/24*	*01/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	**2200**	20.0	1	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:42:12PM

BH09 10'

E401168-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405014
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/29/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*01/29/24*	*01/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	**1610**	40.0	2	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:42:12PM

BH09 15'

E401168-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.5 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405014
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/29/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*01/29/24*	*01/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	ND	200	10	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:42:12PM

BH09 19'

E401168-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405014
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/29/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*01/29/24*	*01/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	**259**	200	10	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:42:12PM

BH09 24'

E401168-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2404056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405014
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/29/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*01/29/24*	*01/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405005
Chloride	**288**	200	10	01/31/24	01/31/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:42:12PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404056-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.81*		*8.00*		*97.6*	*70-130*			
LCS (2404056-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	5.13	0.0250	5.00		103	70-130			
Ethylbenzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.13	0.0250	5.00		103	70-130			
o-Xylene	5.09	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.88*		*8.00*		*98.5*	*70-130*			
Matrix Spike (2404056-MS1)				**Source: E401168-03**					Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	5.06	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61-133			
Toluene	5.06	0.0250	5.00	ND	101	61-130			
o-Xylene	5.01	0.0250	5.00	ND	100	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.61*		*8.00*		*95.1*	*70-130*			
Matrix Spike Dup (2404056-MSD1)				**Source: E401168-03**					Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	5.04	0.0250	5.00	ND	101	54-133	0.443	20	
Ethylbenzene	5.00	0.0250	5.00	ND	100	61-133	0.247	20	
Toluene	5.04	0.0250	5.00	ND	101	61-130	0.322	20	
o-Xylene	5.02	0.0250	5.00	ND	100	63-131	0.260	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	0.300	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	0.287	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.80*		*8.00*		*97.5*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:42:12PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404056-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.6*	*70-130*			
LCS (2404056-BS2)									Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	52.5	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.4*	*70-130*			
Matrix Spike (2404056-MS2)				**Source: E401168-03**					Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.52*		*8.00*		*94.1*	*70-130*			
Matrix Spike Dup (2404056-MSD2)				**Source: E401168-03**					Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.7	70-130	1.73	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.66*		*8.00*		*95.8*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:42:12PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405014-BLK1)									Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.7*		*50.0*		*115*	*50-200*			
LCS (2405014-BS1)									Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	241	25.0	250		96.5	38-132			
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			
Matrix Spike (2405014-MS1)				**Source: E401173-02**					Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	228	25.0	250	ND	91.3	38-132			
Surrogate: n-Nonane	*50.5*		*50.0*		*101*	*50-200*			
Matrix Spike Dup (2405014-MSD1)				**Source: E401173-02**					Prepared: 01/29/24 Analyzed: 01/29/24
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.9	38-132	5.89	20	
Surrogate: n-Nonane	*53.6*		*50.0*		*107*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 2:42:12PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405005-BLK1)									Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	ND	20.0							
LCS (2405005-BS1)									Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2405005-MS1)				**Source: E401167-01**					Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	3320	40.0	250	3060	105	80-120			
Matrix Spike Dup (2405005-MSD1)				**Source: E401167-01**					Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	3300	40.0	250	3060	98.6	80-120	0.489	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/02/24 14:42

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 1/26/2024 2:00:38PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	01/26/24 06:30	Work Order ID:	E401168
Phone:	(539) 573-4018	Date Logged In:	01/25/24 15:20	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/01/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E401163
Job Number:	01058-0007
Received:	1/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/31/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 1/31/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E401163
Date Received: 1/26/2024 6:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/26/2024 6:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH10 0.5’ 5
- BH10 4’ 6
- BH10 10’ 7
- BH10 15’ 8
- BH10 19’ 9

QC Summary Data 10

- QC - Volatile Organics by EPA 8021B 10
- QC - Nonhalogenated Organics by EPA 8015D - GRO 11
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 12
- QC - Anions by EPA 300.0/9056A 14

Definitions and Notes 15

Chain of Custody etc. 16

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/31/24 16:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH10 0.5'	E401163-01A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH10 4'	E401163-02A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH10 10'	E401163-03A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH10 15'	E401163-04A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH10 19'	E401163-05A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:25:50PM

BH10 0.5'

E401163-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/26/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/26/24	
Toluene	ND	0.0250	1	01/26/24	01/26/24	
o-Xylene	ND	0.0250	1	01/26/24	01/26/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/26/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.0 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*01/26/24*	*01/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/26/24	
Surrogate: n-Nonane		*81.9 %*	*50-200*	*01/26/24*	*01/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404065
Chloride	**1680**	20.0	1	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:25:50PM

BH10 4'

E401163-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.6 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*82.8 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404065
Chloride	**1430**	20.0	1	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:25:50PM

BH10 10'

E401163-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.4 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*84.6 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404065
Chloride	**3040**	20.0	1	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:25:50PM

BH10 15'

E401163-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*80.4 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404065
Chloride	**2410**	40.0	2	01/26/24	01/27/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:25:50PM

BH10 19'

E401163-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.4 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404072
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/24	01/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/24	01/28/24	
Surrogate: n-Nonane		*76.9 %*	*50-200*	*01/27/24*	*01/28/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404065
Chloride	**791**	200	10	01/26/24	01/27/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:25:50PM

Volatile Organics by EPA 8021B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404052-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.79*		*8.00*		*97.4*	*70-130*			
LCS (2404052-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	5.02	0.0250	5.00		100	70-130			
Ethylbenzene	4.86	0.0250	5.00		97.1	70-130			
Toluene	5.04	0.0250	5.00		101	70-130			
o-Xylene	5.00	0.0250	5.00		100	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.83*		*8.00*		*97.9*	*70-130*			
Matrix Spike (2404052-MS1)				**Source: E401161-01**					Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	4.38	0.0250	5.00	ND	87.7	54-133			
Ethylbenzene	4.25	0.0250	5.00	ND	85.0	61-133			
Toluene	4.41	0.0250	5.00	ND	88.2	61-130			
o-Xylene	4.41	0.0250	5.00	ND	88.3	63-131			
p,m-Xylene	8.81	0.0500	10.0	ND	88.1	63-131			
Total Xylenes	13.2	0.0250	15.0	ND	88.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.0*	*70-130*			
Matrix Spike Dup (2404052-MSD1)				**Source: E401161-01**					Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	4.90	0.0250	5.00	ND	97.9	54-133	11.0	20	
Ethylbenzene	4.75	0.0250	5.00	ND	94.9	61-133	11.0	20	
Toluene	4.92	0.0250	5.00	ND	98.4	61-130	10.9	20	
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131	10.2	20	
p,m-Xylene	9.81	0.0500	10.0	ND	98.1	63-131	10.7	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.0	63-131	10.5	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.0*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:25:50PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404052-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.17*		*8.00*		*89.7*	*70-130*			
LCS (2404052-BS2)									Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	43.9	20.0	50.0		87.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.32*		*8.00*		*91.4*	*70-130*			
Matrix Spike (2404052-MS2)				**Source: E401161-01**					Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	40.3	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.23*		*8.00*		*90.4*	*70-130*			
Matrix Spike Dup (2404052-MSD2)				**Source: E401161-01**					Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	39.9	20.0	50.0	ND	79.7	70-130	1.20	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.2*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:25:50PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404064-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*44.4*		*50.0*		*88.8*	*50-200*			
LCS (2404064-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	214	25.0	250		85.7	38-132			
Surrogate: n-Nonane	*44.7*		*50.0*		*89.4*	*50-200*			
Matrix Spike (2404064-MS1)				**Source: E401169-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	228	25.0	250	ND	91.0	38-132			
Surrogate: n-Nonane	*46.0*		*50.0*		*92.0*	*50-200*			
Matrix Spike Dup (2404064-MSD1)				**Source: E401169-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.5	38-132	6.85	20	
Surrogate: n-Nonane	*48.2*		*50.0*		*96.4*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:25:50PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404072-BLK1)									Prepared: 01/27/24 Analyzed: 01/28/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*39.1*		*50.0*		*78.2*	*50-200*			
LCS (2404072-BS1)									Prepared: 01/27/24 Analyzed: 01/28/24
Diesel Range Organics (C10-C28)	205	25.0	250		82.0	38-132			
Surrogate: n-Nonane	*40.0*		*50.0*		*80.0*	*50-200*			
Matrix Spike (2404072-MS1)				**Source: E401178-10**					Prepared: 01/27/24 Analyzed: 01/28/24
Diesel Range Organics (C10-C28)	221	25.0	250	ND	88.3	38-132			
Surrogate: n-Nonane	*39.8*		*50.0*		*79.5*	*50-200*			
Matrix Spike Dup (2404072-MSD1)				**Source: E401178-10**					Prepared: 01/27/24 Analyzed: 01/28/24
Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.7	38-132	1.62	20	
Surrogate: n-Nonane	*40.4*		*50.0*		*80.7*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:25:50PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404065-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	ND	20.0							
LCS (2404065-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	247	20.0	250		98.6	90-110			
Matrix Spike (2404065-MS1)				**Source: E401162-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	486	20.0	250	211	110	80-120			
Matrix Spike Dup (2404065-MSD1)				**Source: E401162-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	469	20.0	250	211	103	80-120	3.65	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/31/24 16:25

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 1/26/2024 12:38:58PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	01/26/24 06:30	Work Order ID:	E401163
Phone:	(539) 573-4018	Date Logged In:	01/25/24 15:18	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/01/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E401160
Job Number:	01058-0007
Received:	1/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/1/24

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

Date Reported: 2/1/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E401160
Date Received: 1/26/2024 6:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/26/2024 6:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH11 0.5’ 5
- BH11 4’ 6
- BH11 10’ 7
- BH11 15’ 8
- BH11 19’ 9

QC Summary Data 10

- QC - Volatile Organic Compounds by EPA 8260B 10
- QC - Nonhalogenated Organics by EPA 8015D - GRO 11
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 12
- QC - Anions by EPA 300.0/9056A 13

Definitions and Notes 14

Chain of Custody etc. 15

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/01/24 16:10

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH11 0.5'	E401160-01A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH11 4'	E401160-02A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH11 10'	E401160-03A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH11 15'	E401160-04A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH11 19'	E401160-05A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:10:35PM

BH11 0.5'

E401160-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Benzene	ND	0.0250	1	01/26/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/30/24	
Toluene	ND	0.0250	1	01/26/24	01/30/24	
o-Xylene	ND	0.0250	1	01/26/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404057
Chloride	**1780**	20.0	1	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:10:35PM

BH11 4'

E401160-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Benzene	ND	0.0250	1	01/26/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/30/24	
Toluene	ND	0.0250	1	01/26/24	01/30/24	
o-Xylene	ND	0.0250	1	01/26/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*89.8 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*89.8 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404057
Chloride	**902**	20.0	1	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:10:35PM

BH11 10'

E401160-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Benzene	ND	0.0250	1	01/26/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/30/24	
Toluene	ND	0.0250	1	01/26/24	01/30/24	
o-Xylene	ND	0.0250	1	01/26/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.6 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.6 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404057
Chloride	**1570**	100	5	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:10:35PM

BH11 15'

E401160-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Benzene	ND	0.0250	1	01/26/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/30/24	
Toluene	ND	0.0250	1	01/26/24	01/30/24	
o-Xylene	ND	0.0250	1	01/26/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404057
Chloride	**956**	200	10	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:10:35PM

BH11 19'

E401160-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Benzene	ND	0.0250	1	01/26/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/30/24	
Toluene	ND	0.0250	1	01/26/24	01/30/24	
o-Xylene	ND	0.0250	1	01/26/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.4 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/30/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.4 %*	*70-130*	*01/26/24*	*01/30/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/30/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404057
Chloride	**436**	200	10	01/26/24	01/26/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:10:35PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404054-BLK1)									Prepared: 01/26/24 Analyzed: 01/29/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.538*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.547*		*0.500*		*109*	*70-130*			
LCS (2404054-BS1)									Prepared: 01/26/24 Analyzed: 01/29/24
Benzene	2.51	0.0250	2.50		100	70-130			
Ethylbenzene	2.60	0.0250	2.50		104	70-130			
Toluene	2.47	0.0250	2.50		98.8	70-130			
o-Xylene	2.58	0.0250	2.50		103	70-130			
p,m-Xylene	5.16	0.0500	5.00		103	70-130			
Total Xylenes	7.75	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	*0.548*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			
Matrix Spike (2404054-MS1)				**Source: E401158-03**					Prepared: 01/26/24 Analyzed: 01/29/24
Benzene	2.47	0.0250	2.50	ND	98.8	48-131			
Ethylbenzene	2.61	0.0250	2.50	ND	104	45-135			
Toluene	2.47	0.0250	2.50	ND	98.8	48-130			
o-Xylene	2.58	0.0250	2.50	ND	103	43-135			
p,m-Xylene	5.10	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.68	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	*0.552*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.2*	*70-130*			
Surrogate: Toluene-d8	*0.528*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2404054-MSD1)				**Source: E401158-03**					Prepared: 01/26/24 Analyzed: 01/29/24
Benzene	2.47	0.0250	2.50	ND	98.9	48-131	0.0607	23	
Ethylbenzene	2.66	0.0250	2.50	ND	106	45-135	1.86	27	
Toluene	2.53	0.0250	2.50	ND	101	48-130	2.26	24	
o-Xylene	2.66	0.0250	2.50	ND	107	43-135	3.38	27	
p,m-Xylene	5.33	0.0500	5.00	ND	106	43-135	4.26	27	
Total Xylenes	7.99	0.0250	7.50	ND	107	43-135	3.96	27	
Surrogate: Bromofluorobenzene	*0.560*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.534*		*0.500*		*107*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:10:35PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404054-BLK1)									Prepared: 01/26/24 Analyzed: 01/29/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.538*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.547*		*0.500*		*109*	*70-130*			
LCS (2404054-BS2)									Prepared: 01/26/24 Analyzed: 01/29/24
Gasoline Range Organics (C6-C10)	57.0	20.0	50.0		114	70-130			
Surrogate: Bromofluorobenzene	*0.555*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.549*		*0.500*		*110*	*70-130*			
Matrix Spike (2404054-MS2)				**Source: E401158-03**					Prepared: 01/26/24 Analyzed: 01/29/24
Gasoline Range Organics (C6-C10)	53.9	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	*0.555*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.5*	*70-130*			
Surrogate: Toluene-d8	*0.531*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2404054-MSD2)				**Source: E401158-03**					Prepared: 01/26/24 Analyzed: 01/29/24
Gasoline Range Organics (C6-C10)	54.8	20.0	50.0	ND	110	70-130	1.59	20	
Surrogate: Bromofluorobenzene	*0.564*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.461*		*0.500*		*92.1*	*70-130*			
Surrogate: Toluene-d8	*0.541*		*0.500*		*108*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:10:35PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404062-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.4*		*50.0*		*109*	*50-200*			
LCS (2404062-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	262	25.0	250		105	38-132			
Surrogate: n-Nonane	*53.8*		*50.0*		*108*	*50-200*			
Matrix Spike (2404062-MS1)				**Source: E401160-05**					Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*50-200*			
Matrix Spike Dup (2404062-MSD1)				**Source: E401160-05**					Prepared: 01/26/24 Analyzed: 01/27/24
Diesel Range Organics (C10-C28)	280	25.0	250	ND	112	38-132	3.17	20	
Surrogate: n-Nonane	*55.1*		*50.0*		*110*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:10:35PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404057-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	ND	20.0							
LCS (2404057-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2404057-MS1)				**Source: E401158-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	380	20.0	250	133	98.8	80-120			
Matrix Spike Dup (2404057-MSD1)				**Source: E401158-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	379	20.0	250	133	98.5	80-120	0.144	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/01/24 16:10

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 1/29/2024 1:35:20PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	01/26/24 06:30	Work Order ID:	E401160
Phone:	(539) 573-4018	Date Logged In:	01/25/24 15:17	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/01/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E402076
Job Number:	01058-0007
Received:	2/8/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/1/24

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

Date Reported: 3/1/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E402076
Date Received: 2/8/2024 6:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/8/2024 6:00:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH10 24’ 5
- BH10 29’ 6
- BH11 24’ 7
- BH11 29’ 8

QC Summary Data 9

- QC - Volatile Organics by EPA 8021B 9
- QC - Nonhalogenated Organics by EPA 8015D - GRO 10
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 11
- QC - Anions by EPA 300.0/9056A 12

Definitions and Notes 13

Chain of Custody etc. 14

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	03/01/24 15:31

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH10 24'	E402076-01A	Soil	02/05/24	02/08/24	Glass Jar, 2 oz.
BH10 29'	E402076-02A	Soil	02/05/24	02/08/24	Glass Jar, 2 oz.
BH11 24'	E402076-03A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
BH11 29'	E402076-04A	Soil	02/05/24	02/08/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/1/2024 3:31:22PM

BH10 24'

E402076-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2406081
Benzene	ND	0.0250	1	02/08/24	02/09/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/09/24	
Toluene	ND	0.0250	1	02/08/24	02/09/24	
o-Xylene	ND	0.0250	1	02/08/24	02/09/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/09/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/09/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*02/08/24*	*02/09/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2406081
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*02/08/24*	*02/09/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406099
Diesel Range Organics (C10-C28)	**27.1**	25.0	1	02/09/24	02/10/24	T17
Oil Range Organics (C28-C36)	ND	50.0	1	02/09/24	02/10/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/09/24*	*02/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406107
Chloride	ND	200	10	02/09/24	02/09/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/1/2024 3:31:22PM

BH10 29'

E402076-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2406081
Benzene	ND	0.0250	1	02/08/24	02/09/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/09/24	
Toluene	ND	0.0250	1	02/08/24	02/09/24	
o-Xylene	ND	0.0250	1	02/08/24	02/09/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/09/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/09/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*02/08/24*	*02/09/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2406081
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*02/08/24*	*02/09/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/09/24	02/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/09/24	02/10/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*02/09/24*	*02/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406107
Chloride	ND	200	10	02/09/24	02/09/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/1/2024 3:31:22PM

BH11 24'

E402076-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2406081
Benzene	ND	0.0250	1	02/08/24	02/09/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/09/24	
Toluene	ND	0.0250	1	02/08/24	02/09/24	
o-Xylene	ND	0.0250	1	02/08/24	02/09/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/09/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/09/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.5 %*	*70-130*	*02/08/24*	*02/09/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2406081
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*02/08/24*	*02/09/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/09/24	02/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/09/24	02/10/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*02/09/24*	*02/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406107
Chloride	**544**	200	10	02/09/24	02/09/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/1/2024 3:31:22PM

BH11 29'

E402076-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2406081
Benzene	ND	0.0250	1	02/08/24	02/09/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/09/24	
Toluene	ND	0.0250	1	02/08/24	02/09/24	
o-Xylene	ND	0.0250	1	02/08/24	02/09/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/09/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/09/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.3 %*	*70-130*	*02/08/24*	*02/09/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2406081
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*02/08/24*	*02/09/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/09/24	02/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/09/24	02/10/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*02/09/24*	*02/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406107
Chloride	**276**	200	10	02/09/24	02/09/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/1/2024 3:31:22PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406081-BLK1)									Prepared: 02/08/24 Analyzed: 02/09/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.50*		*8.00*		*93.7*	*70-130*			
LCS (2406081-BS1)									Prepared: 02/08/24 Analyzed: 02/09/24
Benzene	5.05	0.0250	5.00		101	70-130			
Ethylbenzene	5.04	0.0250	5.00		101	70-130			
Toluene	5.04	0.0250	5.00		101	70-130			
o-Xylene	4.98	0.0250	5.00		99.6	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.52*		*8.00*		*94.0*	*70-130*			
Matrix Spike (2406081-MS1)				**Source: E402074-09**					Prepared: 02/08/24 Analyzed: 02/09/24
Benzene	4.81	0.0250	5.00	ND	96.3	54-133			
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	61-133			
Toluene	4.80	0.0250	5.00	ND	96.0	61-130			
o-Xylene	4.74	0.0250	5.00	ND	94.8	63-131			
p,m-Xylene	9.69	0.0500	10.0	ND	96.9	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.54*		*8.00*		*94.2*	*70-130*			
Matrix Spike Dup (2406081-MSD1)				**Source: E402074-09**					Prepared: 02/08/24 Analyzed: 02/09/24
Benzene	5.06	0.0250	5.00	ND	101	54-133	5.08	20	
Ethylbenzene	5.04	0.0250	5.00	ND	101	61-133	5.00	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	5.08	20	
o-Xylene	4.99	0.0250	5.00	ND	99.9	63-131	5.18	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	4.93	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	5.02	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.70*		*8.00*		*96.3*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/1/2024 3:31:22PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406081-BLK1)									Prepared: 02/08/24 Analyzed: 02/09/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.66*		*8.00*		*95.8*	*70-130*			
LCS (2406081-BS2)									Prepared: 02/08/24 Analyzed: 02/08/24
Gasoline Range Organics (C6-C10)	40.5	20.0	50.0		81.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.7*	*70-130*			
Matrix Spike (2406081-MS2)				**Source: E402074-09**					Prepared: 02/08/24 Analyzed: 02/09/24
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike Dup (2406081-MSD2)				**Source: E402074-09**					Prepared: 02/08/24 Analyzed: 02/09/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130	3.31	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.63*		*8.00*		*95.4*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/1/2024 3:31:22PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406099-BLK1)									Prepared: 02/09/24 Analyzed: 02/10/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.4*		*50.0*		*115*	*50-200*			
LCS (2406099-BS1)									Prepared: 02/09/24 Analyzed: 02/10/24
Diesel Range Organics (C10-C28)	279	25.0	250		112	38-132			
Surrogate: n-Nonane	*57.6*		*50.0*		*115*	*50-200*			
Matrix Spike (2406099-MS1)				**Source: E402065-02**					Prepared: 02/09/24 Analyzed: 02/10/24
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	38-132			
Surrogate: n-Nonane	*58.3*		*50.0*		*117*	*50-200*			
Matrix Spike Dup (2406099-MSD1)				**Source: E402065-02**					Prepared: 02/09/24 Analyzed: 02/10/24
Diesel Range Organics (C10-C28)	291	25.0	250	ND	116	38-132	2.46	20	
Surrogate: n-Nonane	*58.7*		*50.0*		*117*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/1/2024 3:31:22PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406107-BLK1)									Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	ND	20.0							
LCS (2406107-BS1)									Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2406107-MS1)				**Source: E402075-24**					Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	278	20.0	250	24.3	101	80-120			
Matrix Spike Dup (2406107-MSD1)				**Source: E402075-24**					Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	275	20.0	250	24.3	100	80-120	1.16	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	03/01/24 15:31

T17	The sample chromatographic pattern does not resemble the typical fuel standard used for quantitation.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 2/8/2024 8:24:22AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/08/24 06:00	Work Order ID:	E402076
Phone:	(539) 573-4018	Date Logged In:	02/07/24 15:34	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/14/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E401158
Job Number:	01058-0007
Received:	1/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/1/24

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

Date Reported: 2/1/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E401158
Date Received: 1/26/2024 6:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/26/2024 6:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH12 0.5’ 5
- BH12 4’ 6
- BH12 10’ 7
- BH12 15’ 8
- BH12 20’ 9
- BH12 24’ 10

QC Summary Data 11

- QC - Volatile Organic Compounds by EPA 8260B 11
- QC - Nonhalogenated Organics by EPA 8015D - GRO 12
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13
- QC - Anions by EPA 300.0/9056A 14

Definitions and Notes 15

Chain of Custody etc. 16

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/01/24 16:08

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH12 0.5'	E401158-01A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH12 4'	E401158-02A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH12 10'	E401158-03A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH12 15'	E401158-04A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH12 20'	E401158-05A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH12 24'	E401158-06A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:08:52PM

BH12 0.5'

E401158-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Benzene	ND	0.0250	1	01/26/24	01/29/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/29/24	
Toluene	ND	0.0250	1	01/26/24	01/29/24	
o-Xylene	ND	0.0250	1	01/26/24	01/29/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/29/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/29/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*01/26/24*	*01/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/29/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*01/26/24*	*01/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404057
Chloride	**3270**	40.0	2	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:08:52PM

BH12 4'

E401158-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Benzene	ND	0.0250	1	01/26/24	01/29/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/29/24	
Toluene	ND	0.0250	1	01/26/24	01/29/24	
o-Xylene	ND	0.0250	1	01/26/24	01/29/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/29/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/29/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404057
Chloride	**133**	20.0	1	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:08:52PM

BH12 10'

E401158-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Benzene	ND	0.0250	1	01/26/24	01/29/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/29/24	
Toluene	ND	0.0250	1	01/26/24	01/29/24	
o-Xylene	ND	0.0250	1	01/26/24	01/29/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/29/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/29/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*01/26/24*	*01/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/29/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*01/26/24*	*01/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404057
Chloride	**3500**	40.0	2	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:08:52PM

BH12 15'

E401158-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Benzene	ND	0.0250	1	01/26/24	01/29/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/29/24	
Toluene	ND	0.0250	1	01/26/24	01/29/24	
o-Xylene	ND	0.0250	1	01/26/24	01/29/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/29/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/29/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/29/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404057
Chloride	**430**	200	10	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:08:52PM

BH12 20'

E401158-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Benzene	ND	0.0250	1	01/26/24	01/29/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/29/24	
Toluene	ND	0.0250	1	01/26/24	01/29/24	
o-Xylene	ND	0.0250	1	01/26/24	01/29/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/29/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/29/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.3 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/29/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.3 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/26/24*	*01/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404057
Chloride	ND	200	10	01/26/24	01/26/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:08:52PM

BH12 24'

E401158-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Benzene	ND	0.0250	1	01/26/24	01/29/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/29/24	
Toluene	ND	0.0250	1	01/26/24	01/29/24	
o-Xylene	ND	0.0250	1	01/26/24	01/29/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/29/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/29/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*01/26/24*	*01/29/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2404054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/29/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*01/26/24*	*01/29/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*01/26/24*	*01/29/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2404057
Chloride	**339**	200	10	01/26/24	01/26/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:08:52PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404054-BLK1)									Prepared: 01/26/24 Analyzed: 01/29/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.538*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.547*		*0.500*		*109*	*70-130*			
LCS (2404054-BS1)									Prepared: 01/26/24 Analyzed: 01/29/24
Benzene	2.51	0.0250	2.50		100	70-130			
Ethylbenzene	2.60	0.0250	2.50		104	70-130			
Toluene	2.47	0.0250	2.50		98.8	70-130			
o-Xylene	2.58	0.0250	2.50		103	70-130			
p,m-Xylene	5.16	0.0500	5.00		103	70-130			
Total Xylenes	7.75	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	*0.548*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			
Matrix Spike (2404054-MS1)				**Source: E401158-03**					Prepared: 01/26/24 Analyzed: 01/29/24
Benzene	2.47	0.0250	2.50	ND	98.8	48-131			
Ethylbenzene	2.61	0.0250	2.50	ND	104	45-135			
Toluene	2.47	0.0250	2.50	ND	98.8	48-130			
o-Xylene	2.58	0.0250	2.50	ND	103	43-135			
p,m-Xylene	5.10	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.68	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	*0.552*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.2*	*70-130*			
Surrogate: Toluene-d8	*0.528*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2404054-MSD1)				**Source: E401158-03**					Prepared: 01/26/24 Analyzed: 01/29/24
Benzene	2.47	0.0250	2.50	ND	98.9	48-131	0.0607	23	
Ethylbenzene	2.66	0.0250	2.50	ND	106	45-135	1.86	27	
Toluene	2.53	0.0250	2.50	ND	101	48-130	2.26	24	
o-Xylene	2.66	0.0250	2.50	ND	107	43-135	3.38	27	
p,m-Xylene	5.33	0.0500	5.00	ND	106	43-135	4.26	27	
Total Xylenes	7.99	0.0250	7.50	ND	107	43-135	3.96	27	
Surrogate: Bromofluorobenzene	*0.560*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.534*		*0.500*		*107*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:08:52PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404054-BLK1)									Prepared: 01/26/24 Analyzed: 01/29/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.538*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.547*		*0.500*		*109*	*70-130*			
LCS (2404054-BS2)									Prepared: 01/26/24 Analyzed: 01/29/24
Gasoline Range Organics (C6-C10)	57.0	20.0	50.0		114	70-130			
Surrogate: Bromofluorobenzene	*0.555*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.549*		*0.500*		*110*	*70-130*			
Matrix Spike (2404054-MS2)				**Source: E401158-03**					Prepared: 01/26/24 Analyzed: 01/29/24
Gasoline Range Organics (C6-C10)	53.9	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	*0.555*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.5*	*70-130*			
Surrogate: Toluene-d8	*0.531*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2404054-MSD2)				**Source: E401158-03**					Prepared: 01/26/24 Analyzed: 01/29/24
Gasoline Range Organics (C6-C10)	54.8	20.0	50.0	ND	110	70-130	1.59	20	
Surrogate: Bromofluorobenzene	*0.564*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.461*		*0.500*		*92.1*	*70-130*			
Surrogate: Toluene-d8	*0.541*		*0.500*		*108*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:08:52PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404053-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.5*		*50.0*		*95.1*	*50-200*			
LCS (2404053-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	204	25.0	250		81.6	38-132			
Surrogate: n-Nonane	*48.3*		*50.0*		*96.6*	*50-200*			
Matrix Spike (2404053-MS1)				**Source: E401158-03**					Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	214	25.0	250	ND	85.8	38-132			
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			
Matrix Spike Dup (2404053-MSD1)				**Source: E401158-03**					Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	235	25.0	250	ND	93.8	38-132	8.96	20	
Surrogate: n-Nonane	*52.7*		*50.0*		*105*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/1/2024 4:08:52PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404057-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	ND	20.0							
LCS (2404057-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2404057-MS1)				**Source: E401158-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	380	20.0	250	133	98.8	80-120			
Matrix Spike Dup (2404057-MSD1)				**Source: E401158-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Chloride	379	20.0	250	133	98.5	80-120	0.144	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/01/24 16:08

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	**Bill To**	Lab Use Only	TAT / EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E401158	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 Day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		CWA / SDWA / RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21196155		
Collected by: Gilbert Moreno	Incident ID: nAB161956595		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
13:50	1.24.24	S	1	BH12	1	0.5'								X				
14:00	1.24.24	S	1	BH12	2	4'								X				
14:05	1.24.24	S	1	BH12	3	10'								X				
14:10	1.24.24	S	1	BH12	4	15'								X				
14:15	1.24.24	S	1	BH12	5	~~19'~~ 20' Cal								X				
14:20	1.24.24	S	1	BH12	6	24'								X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/24/24	6:52	Michelle Gough	1-24-24	1852
Michelle Gough	1-25-24	1400	Andrew Hobbs	1-25-24	1630
Andrew Hobbs	1.25.24	2330	Kayla R Hall	1-26-24	0630

Lab Use Only — Received on ice: (Y) / N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other ____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

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

envirotech

Envirotech Analytical Laboratory

Printed: 1/26/2024 2:29:24PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	01/26/24 06:30	Work Order ID:	E401158
Phone:	(539) 573-4018	Date Logged In:	01/25/24 15:14	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/01/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E401170
Job Number:	01058-0007
Received:	1/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/31/24

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

Date Reported: 1/31/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E401170
Date Received: 1/26/2024 6:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/26/2024 6:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH13 0.5’ 5
- BH13 4’ 6
- BH13 10’ 7
- BH13 15’ 8

QC Summary Data 9

- QC - Volatile Organics by EPA 8021B 9
- QC - Nonhalogenated Organics by EPA 8015D - GRO 10
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 11
- QC - Anions by EPA 300.0/9056A 12

Definitions and Notes 13

Chain of Custody etc. 14

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/31/24 16:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH13 0.5'	E401170-01A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH13 4'	E401170-02A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH13 10'	E401170-03A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.
BH13 15'	E401170-04A	Soil	01/24/24	01/26/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:28:15PM

BH13 0.5'

E401170-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	**145**	125	5	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	250	5	01/26/24	01/27/24	
Surrogate: n-Nonane		*87.2 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405016
Chloride	**4000**	40.0	2	01/29/24	01/29/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:28:15PM

BH13 4'

E401170-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*79.7 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405016
Chloride	**138**	20.0	1	01/29/24	01/29/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:28:15PM

BH13 10'

E401170-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*81.9 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405016
Chloride	**455**	200	10	01/29/24	01/29/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:28:15PM

BH13 15'

E401170-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Benzene	ND	0.0250	1	01/26/24	01/27/24	
Ethylbenzene	ND	0.0250	1	01/26/24	01/27/24	
Toluene	ND	0.0250	1	01/26/24	01/27/24	
o-Xylene	ND	0.0250	1	01/26/24	01/27/24	
p,m-Xylene	ND	0.0500	1	01/26/24	01/27/24	
Total Xylenes	ND	0.0250	1	01/26/24	01/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2404052
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/24	01/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*01/26/24*	*01/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/24	01/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/24	01/27/24	
Surrogate: n-Nonane		*80.8 %*	*50-200*	*01/26/24*	*01/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405016
Chloride	ND	200	10	01/29/24	01/29/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:28:15PM

Volatile Organics by EPA 8021B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404052-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.79*		*8.00*		*97.4*	*70-130*			
LCS (2404052-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	5.02	0.0250	5.00		100	70-130			
Ethylbenzene	4.86	0.0250	5.00		97.1	70-130			
Toluene	5.04	0.0250	5.00		101	70-130			
o-Xylene	5.00	0.0250	5.00		100	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.83*		*8.00*		*97.9*	*70-130*			
Matrix Spike (2404052-MS1)				**Source: E401161-01**					Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	4.38	0.0250	5.00	ND	87.7	54-133			
Ethylbenzene	4.25	0.0250	5.00	ND	85.0	61-133			
Toluene	4.41	0.0250	5.00	ND	88.2	61-130			
o-Xylene	4.41	0.0250	5.00	ND	88.3	63-131			
p,m-Xylene	8.81	0.0500	10.0	ND	88.1	63-131			
Total Xylenes	13.2	0.0250	15.0	ND	88.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.0*	*70-130*			
Matrix Spike Dup (2404052-MSD1)				**Source: E401161-01**					Prepared: 01/26/24 Analyzed: 01/26/24
Benzene	4.90	0.0250	5.00	ND	97.9	54-133	11.0	20	
Ethylbenzene	4.75	0.0250	5.00	ND	94.9	61-133	11.0	20	
Toluene	4.92	0.0250	5.00	ND	98.4	61-130	10.9	20	
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131	10.2	20	
p,m-Xylene	9.81	0.0500	10.0	ND	98.1	63-131	10.7	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.0	63-131	10.5	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.0*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:28:15PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404052-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.17*		*8.00*		*89.7*	*70-130*			
LCS (2404052-BS2)									Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	43.9	20.0	50.0		87.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.32*		*8.00*		*91.4*	*70-130*			
Matrix Spike (2404052-MS2)				**Source: E401161-01**					Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	40.3	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.23*		*8.00*		*90.4*	*70-130*			
Matrix Spike Dup (2404052-MSD2)				**Source: E401161-01**					Prepared: 01/26/24 Analyzed: 01/26/24
Gasoline Range Organics (C6-C10)	39.9	20.0	50.0	ND	79.7	70-130	1.20	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.2*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:28:15PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404064-BLK1)									Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*44.4*		*50.0*		*88.8*	*50-200*			
LCS (2404064-BS1)									Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	214	25.0	250		85.7	38-132			
Surrogate: n-Nonane	*44.7*		*50.0*		*89.4*	*50-200*			
Matrix Spike (2404064-MS1)				**Source: E401169-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	228	25.0	250	ND	91.0	38-132			
Surrogate: n-Nonane	*46.0*		*50.0*		*92.0*	*50-200*			
Matrix Spike Dup (2404064-MSD1)				**Source: E401169-02**					Prepared: 01/26/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.5	38-132	6.85	20	
Surrogate: n-Nonane	*48.2*		*50.0*		*96.4*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/31/2024 4:28:15PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405016-BLK1)									Prepared: 01/29/24 Analyzed: 01/29/24
Chloride	ND	20.0							
LCS (2405016-BS1)									Prepared: 01/29/24 Analyzed: 01/29/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2405016-MS1)				**Source: E401169-02**					Prepared: 01/29/24 Analyzed: 01/29/24
Chloride	749	20.0	250	461	115	80-120			
Matrix Spike Dup (2405016-MSD1)				**Source: E401169-02**					Prepared: 01/29/24 Analyzed: 01/29/24
Chloride	739	20.0	250	461	111	80-120	1.37	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/31/24 16:28

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 1/26/2024 11:19:18AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	01/26/24 06:30	Work Order ID:	E401170
Phone:	(539) 573-4018	Date Logged In:	01/25/24 15:21	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/01/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E402078
Job Number:	01058-0007
Received:	2/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/14/24

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

Date Reported: 2/14/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E402078
Date Received: 2/8/2024 6:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/8/2024 6:00:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH13 20’ 5
- BH13 24’ 6
- BH13 29’ 7

QC Summary Data 8

- QC - Volatile Organics by EPA 8021B 8
- QC - Nonhalogenated Organics by EPA 8015D - GRO 9
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 10
- QC - Anions by EPA 300.0/9056A 11

Definitions and Notes 12

Chain of Custody etc. 13

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/14/24 13:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH13 20'	E402078-01A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
BH13 24'	E402078-02A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
BH13 29'	E402078-03A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:46:09PM

BH13 20'

E402078-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/09/24	02/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/09/24	02/10/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*02/09/24*	*02/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2406084
Chloride	ND	200	10	02/08/24	02/09/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:46:09PM

BH13 24'

E402078-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Benzene	ND	0.0250	1	02/08/24	02/14/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/14/24	
Toluene	ND	0.0250	1	02/08/24	02/14/24	
o-Xylene	ND	0.0250	1	02/08/24	02/14/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/14/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.3 %*	*70-130*	*02/08/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*02/08/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/09/24	02/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/09/24	02/10/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*02/09/24*	*02/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2406084
Chloride	**239**	200	10	02/08/24	02/09/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:46:09PM

BH13 29'

E402078-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Benzene	ND	0.0250	1	02/08/24	02/14/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/14/24	
Toluene	ND	0.0250	1	02/08/24	02/14/24	
o-Xylene	ND	0.0250	1	02/08/24	02/14/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/14/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*02/08/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.4 %*	*70-130*	*02/08/24*	*02/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/09/24	02/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/09/24	02/10/24	
Surrogate: n-Nonane		*99.4 %*	*50-200*	*02/09/24*	*02/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2406084
Chloride	**237**	200	10	02/08/24	02/09/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:46:09PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406083-BLK1)									Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			
LCS (2406083-BS1)									Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
o-Xylene	5.16	0.0250	5.00		103	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.54*		*8.00*		*94.3*	*70-130*			
Matrix Spike (2406083-MS1)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	5.15	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
Toluene	5.16	0.0250	5.00	ND	103	61-130			
o-Xylene	5.09	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.2*	*70-130*			
Matrix Spike Dup (2406083-MSD1)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	4.82	0.0250	5.00	ND	96.4	54-133	6.53	20	
Ethylbenzene	4.71	0.0250	5.00	ND	94.2	61-133	6.54	20	
Toluene	4.83	0.0250	5.00	ND	96.5	61-130	6.64	20	
o-Xylene	4.76	0.0250	5.00	ND	95.3	63-131	6.66	20	
p,m-Xylene	9.61	0.0500	10.0	ND	96.1	63-131	6.47	20	
Total Xylenes	14.4	0.0250	15.0	ND	95.9	63-131	6.53	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:46:09PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406083-BLK1)									Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2406083-BS2)									Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike (2406083-MS2)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	ND	85.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike Dup (2406083-MSD2)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.2	70-130	4.12	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.4*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:46:09PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406109-BLK1)									Prepared: 02/09/24 Analyzed: 02/09/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.0*		*50.0*		*94.0*	*50-200*			
LCS (2406109-BS1)									Prepared: 02/09/24 Analyzed: 02/09/24
Diesel Range Organics (C10-C28)	238	25.0	250		95.3	38-132			
Surrogate: n-Nonane	*48.6*		*50.0*		*97.2*	*50-200*			
Matrix Spike (2406109-MS1)				**Source: E402007-03**					Prepared: 02/09/24 Analyzed: 02/09/24
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	*36.5*		*50.0*		*73.0*	*50-200*			
Matrix Spike Dup (2406109-MSD1)				**Source: E402007-03**					Prepared: 02/09/24 Analyzed: 02/09/24
Diesel Range Organics (C10-C28)	261	25.0	250	ND	105	38-132	2.33	20	
Surrogate: n-Nonane	*42.0*		*50.0*		*83.9*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:46:09PM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406084-BLK1)									Prepared: 02/08/24 Analyzed: 02/08/24
Chloride	ND	20.0							
LCS (2406084-BS1)									Prepared: 02/08/24 Analyzed: 02/08/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2406084-MS1)				**Source: E402073-04**					Prepared: 02/08/24 Analyzed: 02/08/24
Chloride	284	100	250	ND	114	80-120			
Matrix Spike Dup (2406084-MSD1)				**Source: E402073-04**					Prepared: 02/08/24 Analyzed: 02/08/24
Chloride	303	100	250	ND	121	80-120	6.44	20	M1

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/14/24 13:46

M1	Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	**Bill To**	Lab Use Only	TAT / EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E402078	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 Day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		CWA SDWA RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21196155		
Collected by: Gilbert Moreno	Incident ID: nAB161956595		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
11:00	2.6.24	S	1	BH13	1	20'								X				
11:20	2.6.24	S	1	BH13	2	24'								X				
11:40	2.6.24	S	1	BH13	3	29'								X				

Analysis and Method

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2.7.24	10:45	Michelle Gaylor	2.7.24	1045
Michelle Gaylor	2.7.24	1600	Andrew Moss	2.7.24	1800
Andrew Moss	2.7.24	2400	Kayla R Hall	2-8-24	0600

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 2/8/2024 8:20:21AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/08/24 06:00	Work Order ID:	E402078
Phone:	(539) 573-4018	Date Logged In:	02/07/24 15:37	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/14/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E401205
Job Number:	01058-0007
Received:	1/29/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/2/24

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

Date Reported: 2/2/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E401205
Date Received: 1/29/2024 10:48:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/29/2024 10:48:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH14 0.5’ 5
- BH14 4’ 6
- BH14 10’ 7
- BH14 15’ 8
- BH14 20’ 9
- BH14 24’ 10

QC Summary Data 11

- QC - Volatile Organics by EPA 8021B 11
- QC - Nonhalogenated Organics by EPA 8015D - GRO 12
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13
- QC - Anions by EPA 300.0/9056A 14

Definitions and Notes 15

Chain of Custody etc. 16

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/02/24 18:45

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH14 0.5'	E401205-01A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.
BH14 4'	E401205-02A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.
BH14 10'	E401205-03A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.
BH14 15'	E401205-04A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.
BH14 20'	E401205-05A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.
BH14 24'	E401205-06A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:45:03PM

BH14 0.5'

E401205-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*01/30/24*	*01/31/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*01/30/24*	*01/31/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		*94.5 %*	*50-200*	*01/31/24*	*01/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405057
Chloride	**3670**	40.0	2	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:45:03PM

BH14 4'

E401205-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*01/30/24*	*01/31/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*01/30/24*	*01/31/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*01/31/24*	*01/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405057
Chloride	**1060**	20.0	1	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:45:03PM

BH14 10'

E401205-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*01/30/24*	*01/31/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*01/30/24*	*01/31/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	02/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	02/01/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*01/31/24*	*02/01/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405057
Chloride	**1550**	20.0	1	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:45:03PM

BH14 15'

E401205-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*01/30/24*	*01/31/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*01/30/24*	*01/31/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	02/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	02/01/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*01/31/24*	*02/01/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405057
Chloride	**734**	20.0	1	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:45:03PM

BH14 20'

E401205-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*01/30/24*	*01/31/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*01/30/24*	*01/31/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	02/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	02/01/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*01/31/24*	*02/01/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405057
Chloride	**424**	100	5	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:45:03PM

BH14 24'

E401205-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*01/30/24*	*01/31/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.9 %*	*70-130*	*01/30/24*	*01/31/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	02/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	02/01/24	
Surrogate: n-Nonane		*91.6 %*	*50-200*	*01/31/24*	*02/01/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405057
Chloride	**180**	100	5	01/31/24	01/31/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:45:03PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405035-BLK1)									Prepared: 01/30/24 Analyzed: 01/31/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.89*		*8.00*		*98.6*	*70-130*			
LCS (2405035-BS1)									Prepared: 01/30/24 Analyzed: 01/31/24
Benzene	5.09	0.0250	5.00		102	70-130			
Ethylbenzene	4.95	0.0250	5.00		99.1	70-130			
Toluene	5.08	0.0250	5.00		102	70-130			
o-Xylene	5.03	0.0250	5.00		101	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.90*		*8.00*		*98.7*	*70-130*			
Matrix Spike (2405035-MS1)				**Source: E401205-01**					Prepared: 01/30/24 Analyzed: 01/31/24
Benzene	4.85	0.0250	5.00	ND	97.0	54-133			
Ethylbenzene	4.72	0.0250	5.00	ND	94.3	61-133			
Toluene	4.84	0.0250	5.00	ND	96.8	61-130			
o-Xylene	4.78	0.0250	5.00	ND	95.6	63-131			
p,m-Xylene	9.65	0.0500	10.0	ND	96.5	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.84*		*8.00*		*98.0*	*70-130*			
Matrix Spike Dup (2405035-MSD1)				**Source: E401205-01**					Prepared: 01/30/24 Analyzed: 01/31/24
Benzene	5.04	0.0250	5.00	ND	101	54-133	3.89	20	
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	61-133	3.41	20	
Toluene	5.01	0.0250	5.00	ND	100	61-130	3.47	20	
o-Xylene	4.96	0.0250	5.00	ND	99.1	63-131	3.60	20	
p,m-Xylene	9.95	0.0500	10.0	ND	99.5	63-131	3.15	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.4	63-131	3.30	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.78*		*8.00*		*97.3*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:45:03PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405035-BLK1)									Prepared: 01/30/24 Analyzed: 01/31/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2405035-BS2)									Prepared: 01/30/24 Analyzed: 01/31/24
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0		95.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.8*	*70-130*			
Matrix Spike (2405035-MS2)				**Source: E401205-01**					Prepared: 01/30/24 Analyzed: 01/31/24
Gasoline Range Organics (C6-C10)	46.0	20.0	50.0	ND	92.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.30*		*8.00*		*91.2*	*70-130*			
Matrix Spike Dup (2405035-MSD2)				**Source: E401205-01**					Prepared: 01/30/24 Analyzed: 01/31/24
Gasoline Range Organics (C6-C10)	44.2	20.0	50.0	ND	88.5	70-130	3.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:45:03PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405064-BLK1)									Prepared: 01/31/24 Analyzed: 01/31/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.4*		*50.0*		*98.8*	*50-200*			
LCS (2405064-BS1)									Prepared: 01/31/24 Analyzed: 01/31/24
Diesel Range Organics (C10-C28)	241	25.0	250		96.3	38-132			
Surrogate: n-Nonane	*46.3*		*50.0*		*92.6*	*50-200*			
Matrix Spike (2405064-MS1)				**Source: E401187-04**					Prepared: 01/31/24 Analyzed: 01/31/24
Diesel Range Organics (C10-C28)	245	25.0	250	ND	97.9	38-132			
Surrogate: n-Nonane	*48.5*		*50.0*		*96.9*	*50-200*			
Matrix Spike Dup (2405064-MSD1)				**Source: E401187-04**					Prepared: 01/31/24 Analyzed: 01/31/24
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.3	38-132	0.549	20	
Surrogate: n-Nonane	*48.3*		*50.0*		*96.5*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:45:03PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405057-BLK1)									Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	ND	20.0							
LCS (2405057-BS1)									Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	247	20.0	250		98.7	90-110			
Matrix Spike (2405057-MS1)				**Source: E401205-03**					Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	1660	20.0	250	1550	43.7	80-120			M4
Matrix Spike Dup (2405057-MSD1)				**Source: E401205-03**					Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	1900	20.0	250	1550	139	80-120	13.4	20	M4

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/02/24 18:45

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 1/29/2024 3:06:02PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	01/29/24 10:48	Work Order ID:	E401205
Phone:	(539) 573-4018	Date Logged In:	01/29/24 10:48	Logged In By:	Angelina Pineda
Email:	devon-team@ensolum.com	Due Date:	02/02/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E401206
Job Number:	01058-0007
Received:	1/29/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/2/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
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Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/2/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E401206
Date Received: 1/29/2024 10:55:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/29/2024 10:55:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH15 0.5’ 5
- BH15 4’ 6
- BH15 10’ 7
- BH15 15’ 8
- BH15 20’ 9

QC Summary Data 10

- QC - Volatile Organics by EPA 8021B 10
- QC - Nonhalogenated Organics by EPA 8015D - GRO 11
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 12
- QC - Anions by EPA 300.0/9056A 13

Definitions and Notes 14

Chain of Custody etc. 15

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/02/24 18:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH15 0.5'	E401206-01A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.
BH15 4'	E401206-02A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.
BH15 10'	E401206-03A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.
BH15 15'	E401206-04A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.
BH15 20'	E401206-05A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:47:22PM

BH15 0.5'

E401206-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Benzene	ND	0.0250	1	01/30/24	02/01/24	
Ethylbenzene	ND	0.0250	1	01/30/24	02/01/24	
Toluene	ND	0.0250	1	01/30/24	02/01/24	
o-Xylene	ND	0.0250	1	01/30/24	02/01/24	
p,m-Xylene	ND	0.0500	1	01/30/24	02/01/24	
Total Xylenes	ND	0.0250	1	01/30/24	02/01/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.2 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	02/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405066
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		*86.8 %*	*50-200*	*01/31/24*	*01/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405057
Chloride	**4830**	40.0	2	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:47:22PM

BH15 4'

E401206-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Benzene	ND	0.0250	1	01/30/24	02/01/24	
Ethylbenzene	ND	0.0250	1	01/30/24	02/01/24	
Toluene	ND	0.0250	1	01/30/24	02/01/24	
o-Xylene	ND	0.0250	1	01/30/24	02/01/24	
p,m-Xylene	ND	0.0500	1	01/30/24	02/01/24	
Total Xylenes	ND	0.0250	1	01/30/24	02/01/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	02/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405066
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		*92.2 %*	*50-200*	*01/31/24*	*01/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405057
Chloride	**2650**	20.0	1	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:47:22PM

BH15 10'

E401206-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Benzene	ND	0.0250	1	01/30/24	02/01/24	
Ethylbenzene	ND	0.0250	1	01/30/24	02/01/24	
Toluene	ND	0.0250	1	01/30/24	02/01/24	
o-Xylene	ND	0.0250	1	01/30/24	02/01/24	
p,m-Xylene	ND	0.0500	1	01/30/24	02/01/24	
Total Xylenes	ND	0.0250	1	01/30/24	02/01/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.9 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	02/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405066
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		*86.3 %*	*50-200*	*01/31/24*	*01/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405057
Chloride	**198**	20.0	1	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:47:22PM

BH15 15'

E401206-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Benzene	ND	0.0250	1	01/30/24	02/01/24	
Ethylbenzene	ND	0.0250	1	01/30/24	02/01/24	
Toluene	ND	0.0250	1	01/30/24	02/01/24	
o-Xylene	ND	0.0250	1	01/30/24	02/01/24	
p,m-Xylene	ND	0.0500	1	01/30/24	02/01/24	
Total Xylenes	ND	0.0250	1	01/30/24	02/01/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	02/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405066
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		*87.4 %*	*50-200*	*01/31/24*	*01/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405057
Chloride	**262**	100	5	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:47:22PM

BH15 20'

E401206-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Benzene	ND	0.0250	1	01/30/24	02/01/24	
Ethylbenzene	ND	0.0250	1	01/30/24	02/01/24	
Toluene	ND	0.0250	1	01/30/24	02/01/24	
o-Xylene	ND	0.0250	1	01/30/24	02/01/24	
p,m-Xylene	ND	0.0500	1	01/30/24	02/01/24	
Total Xylenes	ND	0.0250	1	01/30/24	02/01/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	02/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.4 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405066
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		*85.3 %*	*50-200*	*01/31/24*	*01/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405057
Chloride	ND	100	5	01/31/24	01/31/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:47:22PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405035-BLK1)									Prepared: 01/30/24 Analyzed: 01/31/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.89*		*8.00*		*98.6*	*70-130*			
LCS (2405035-BS1)									Prepared: 01/30/24 Analyzed: 01/31/24
Benzene	5.09	0.0250	5.00		102	70-130			
Ethylbenzene	4.95	0.0250	5.00		99.1	70-130			
Toluene	5.08	0.0250	5.00		102	70-130			
o-Xylene	5.03	0.0250	5.00		101	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.90*		*8.00*		*98.7*	*70-130*			
Matrix Spike (2405035-MS1)				**Source: E401205-01**					Prepared: 01/30/24 Analyzed: 01/31/24
Benzene	4.85	0.0250	5.00	ND	97.0	54-133			
Ethylbenzene	4.72	0.0250	5.00	ND	94.3	61-133			
Toluene	4.84	0.0250	5.00	ND	96.8	61-130			
o-Xylene	4.78	0.0250	5.00	ND	95.6	63-131			
p,m-Xylene	9.65	0.0500	10.0	ND	96.5	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.84*		*8.00*		*98.0*	*70-130*			
Matrix Spike Dup (2405035-MSD1)				**Source: E401205-01**					Prepared: 01/30/24 Analyzed: 01/31/24
Benzene	5.04	0.0250	5.00	ND	101	54-133	3.89	20	
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	61-133	3.41	20	
Toluene	5.01	0.0250	5.00	ND	100	61-130	3.47	20	
o-Xylene	4.96	0.0250	5.00	ND	99.1	63-131	3.60	20	
p,m-Xylene	9.95	0.0500	10.0	ND	99.5	63-131	3.15	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.4	63-131	3.30	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.78*		*8.00*		*97.3*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:47:22PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405035-BLK1)									Prepared: 01/30/24 Analyzed: 01/31/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2405035-BS2)									Prepared: 01/30/24 Analyzed: 01/31/24
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0		95.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.8*	*70-130*			
Matrix Spike (2405035-MS2)				**Source: E401205-01**					Prepared: 01/30/24 Analyzed: 01/31/24
Gasoline Range Organics (C6-C10)	46.0	20.0	50.0	ND	92.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.30*		*8.00*		*91.2*	*70-130*			
Matrix Spike Dup (2405035-MSD2)				**Source: E401205-01**					Prepared: 01/30/24 Analyzed: 01/31/24
Gasoline Range Organics (C6-C10)	44.2	20.0	50.0	ND	88.5	70-130	3.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:47:22PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405066-BLK1)									Prepared: 01/31/24 Analyzed: 01/31/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*44.2*		*50.0*		*88.4*	*50-200*			
LCS (2405066-BS1)									Prepared: 01/31/24 Analyzed: 01/31/24
Diesel Range Organics (C10-C28)	250	25.0	250		100	38-132			
Surrogate: n-Nonane	*44.8*		*50.0*		*89.6*	*50-200*			
Matrix Spike (2405066-MS1)				**Source: E401207-01**					Prepared: 01/31/24 Analyzed: 01/31/24
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	*48.7*		*50.0*		*97.4*	*50-200*			
Matrix Spike Dup (2405066-MSD1)				**Source: E401207-01**					Prepared: 01/31/24 Analyzed: 01/31/24
Diesel Range Organics (C10-C28)	233	25.0	250	ND	93.3	38-132	17.7	20	
Surrogate: n-Nonane	*42.4*		*50.0*		*84.7*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:47:22PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405057-BLK1)									Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	ND	20.0							
LCS (2405057-BS1)									Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	247	20.0	250		98.7	90-110			
Matrix Spike (2405057-MS1)				**Source: E401205-03**					Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	1660	20.0	250	1550	43.7	80-120			M4
Matrix Spike Dup (2405057-MSD1)				**Source: E401205-03**					Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	1900	20.0	250	1550	139	80-120	13.4	20	M4

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/02/24 18:47

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	**Bill To**	Lab Use Only	TAT / EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E401206	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 Day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		CWA SDWA RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21196155		
Collected by: Gilbert Moreno	Incident ID: nAB161956595		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
11:30	1.25.24	S	1	BH15	1	0.5'								X				
11:40	1.25.24	S	1	BH15	2	4'								X				
11:50	1.25.24	S	1	BH15	3	10'								X				
12:00	1.25.24	S	1	BH15	4	15'								X				
12:10	1.25.24	S	1	BH15	5	20'								X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/26/24	0946		1-26-24	0946
	1-26-24	1715		1-26-24	1715
	1-26-24	2300		1-29-24	10:55

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 1/29/2024 3:26:58PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	01/29/24 10:55	Work Order ID:	E401206
Phone:	(539) 573-4018	Date Logged In:	01/29/24 10:55	Logged In By:	Angelina Pineda
Email:	devon-team@ensolum.com	Due Date:	02/02/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E401207
Job Number:	01058-0007
Received:	1/29/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/2/24

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

Date Reported: 2/2/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E401207
Date Received: 1/29/2024 11:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/29/2024 11:00:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH16 0.5’ 5
- BH16 4’ 6
- BH16 10’ 7
- BH16 15’ 8
- BH16 20’ 9

QC Summary Data 10

- QC - Volatile Organics by EPA 8021B 10
- QC - Nonhalogenated Organics by EPA 8015D - GRO 11
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 12
- QC - Anions by EPA 300.0/9056A 13

Definitions and Notes 14

Chain of Custody etc. 15

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/02/24 18:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH16 0.5'	E401207-01A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.
BH16 4'	E401207-02A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.
BH16 10'	E401207-03A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.
BH16 15'	E401207-04A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.
BH16 20'	E401207-05A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:48:36PM

BH16 0.5'

E401207-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Benzene	ND	0.0250	1	01/30/24	02/01/24	
Ethylbenzene	ND	0.0250	1	01/30/24	02/01/24	
Toluene	ND	0.0250	1	01/30/24	02/01/24	
o-Xylene	ND	0.0250	1	01/30/24	02/01/24	
p,m-Xylene	ND	0.0500	1	01/30/24	02/01/24	
Total Xylenes	ND	0.0250	1	01/30/24	02/01/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	02/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405066
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		*84.7 %*	*50-200*	*01/31/24*	*01/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405057
Chloride	**1660**	20.0	1	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:48:36PM

BH16 4'

E401207-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Benzene	ND	0.0250	1	01/30/24	02/01/24	
Ethylbenzene	ND	0.0250	1	01/30/24	02/01/24	
Toluene	ND	0.0250	1	01/30/24	02/01/24	
o-Xylene	ND	0.0250	1	01/30/24	02/01/24	
p,m-Xylene	ND	0.0500	1	01/30/24	02/01/24	
Total Xylenes	ND	0.0250	1	01/30/24	02/01/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	02/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405066
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		*87.9 %*	*50-200*	*01/31/24*	*01/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405057
Chloride	**1250**	20.0	1	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:48:36PM

BH16 10'

E401207-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Benzene	ND	0.0250	1	01/30/24	02/01/24	
Ethylbenzene	ND	0.0250	1	01/30/24	02/01/24	
Toluene	ND	0.0250	1	01/30/24	02/01/24	
o-Xylene	ND	0.0250	1	01/30/24	02/01/24	
p,m-Xylene	ND	0.0500	1	01/30/24	02/01/24	
Total Xylenes	ND	0.0250	1	01/30/24	02/01/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.3 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	02/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405066
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		*87.5 %*	*50-200*	*01/31/24*	*01/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405057
Chloride	**1580**	100	5	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:48:36PM

BH16 15'

E401207-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Benzene	ND	0.0250	1	01/30/24	02/01/24	
Ethylbenzene	ND	0.0250	1	01/30/24	02/01/24	
Toluene	ND	0.0250	1	01/30/24	02/01/24	
o-Xylene	ND	0.0250	1	01/30/24	02/01/24	
p,m-Xylene	ND	0.0500	1	01/30/24	02/01/24	
Total Xylenes	ND	0.0250	1	01/30/24	02/01/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	02/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405066
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	02/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	02/01/24	
Surrogate: n-Nonane		*88.4 %*	*50-200*	*01/31/24*	*02/01/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405057
Chloride	**522**	100	5	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:48:36PM

BH16 20'

E401207-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Benzene	ND	0.0250	1	01/30/24	02/01/24	
Ethylbenzene	ND	0.0250	1	01/30/24	02/01/24	
Toluene	ND	0.0250	1	01/30/24	02/01/24	
o-Xylene	ND	0.0250	1	01/30/24	02/01/24	
p,m-Xylene	ND	0.0500	1	01/30/24	02/01/24	
Total Xylenes	ND	0.0250	1	01/30/24	02/01/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405035
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	02/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405066
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	02/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	02/01/24	
Surrogate: n-Nonane		*88.4 %*	*50-200*	*01/31/24*	*02/01/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405057
Chloride	ND	100	5	01/31/24	01/31/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:48:36PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405035-BLK1)									Prepared: 01/30/24 Analyzed: 01/31/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.89*		*8.00*		*98.6*	*70-130*			
LCS (2405035-BS1)									Prepared: 01/30/24 Analyzed: 01/31/24
Benzene	5.09	0.0250	5.00		102	70-130			
Ethylbenzene	4.95	0.0250	5.00		99.1	70-130			
Toluene	5.08	0.0250	5.00		102	70-130			
o-Xylene	5.03	0.0250	5.00		101	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.90*		*8.00*		*98.7*	*70-130*			
Matrix Spike (2405035-MS1)				**Source: E401205-01**					Prepared: 01/30/24 Analyzed: 01/31/24
Benzene	4.85	0.0250	5.00	ND	97.0	54-133			
Ethylbenzene	4.72	0.0250	5.00	ND	94.3	61-133			
Toluene	4.84	0.0250	5.00	ND	96.8	61-130			
o-Xylene	4.78	0.0250	5.00	ND	95.6	63-131			
p,m-Xylene	9.65	0.0500	10.0	ND	96.5	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.84*		*8.00*		*98.0*	*70-130*			
Matrix Spike Dup (2405035-MSD1)				**Source: E401205-01**					Prepared: 01/30/24 Analyzed: 01/31/24
Benzene	5.04	0.0250	5.00	ND	101	54-133	3.89	20	
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	61-133	3.41	20	
Toluene	5.01	0.0250	5.00	ND	100	61-130	3.47	20	
o-Xylene	4.96	0.0250	5.00	ND	99.1	63-131	3.60	20	
p,m-Xylene	9.95	0.0500	10.0	ND	99.5	63-131	3.15	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.4	63-131	3.30	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.78*		*8.00*		*97.3*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:48:36PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405035-BLK1)									Prepared: 01/30/24 Analyzed: 01/31/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2405035-BS2)									Prepared: 01/30/24 Analyzed: 01/31/24
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0		95.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.8*	*70-130*			
Matrix Spike (2405035-MS2)				**Source: E401205-01**					Prepared: 01/30/24 Analyzed: 01/31/24
Gasoline Range Organics (C6-C10)	46.0	20.0	50.0	ND	92.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.30*		*8.00*		*91.2*	*70-130*			
Matrix Spike Dup (2405035-MSD2)				**Source: E401205-01**					Prepared: 01/30/24 Analyzed: 01/31/24
Gasoline Range Organics (C6-C10)	44.2	20.0	50.0	ND	88.5	70-130	3.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:48:36PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405066-BLK1)									Prepared: 01/31/24 Analyzed: 01/31/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*44.2*		*50.0*		*88.4*	*50-200*			
LCS (2405066-BS1)									Prepared: 01/31/24 Analyzed: 01/31/24
Diesel Range Organics (C10-C28)	250	25.0	250		100	38-132			
Surrogate: n-Nonane	*44.8*		*50.0*		*89.6*	*50-200*			
Matrix Spike (2405066-MS1)				**Source: E401207-01**					Prepared: 01/31/24 Analyzed: 01/31/24
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	*48.7*		*50.0*		*97.4*	*50-200*			
Matrix Spike Dup (2405066-MSD1)				**Source: E401207-01**					Prepared: 01/31/24 Analyzed: 01/31/24
Diesel Range Organics (C10-C28)	233	25.0	250	ND	93.3	38-132	17.7	20	
Surrogate: n-Nonane	*42.4*		*50.0*		*84.7*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/2/2024 6:48:36PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405057-BLK1)									Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	ND	20.0							
LCS (2405057-BS1)									Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	247	20.0	250		98.7	90-110			
Matrix Spike (2405057-MS1)				**Source: E401205-03**					Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	1660	20.0	250	1550	43.7	80-120			M4
Matrix Spike Dup (2405057-MSD1)				**Source: E401205-03**					Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	1900	20.0	250	1550	139	80-120	13.4	20	M4

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/02/24 18:48

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 1/29/2024 3:36:36PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	01/29/24 11:00	Work Order ID:	E401207
Phone:	(539) 573-4018	Date Logged In:	01/29/24 11:00	Logged In By:	Angelina Pineda
Email:	devon-team@ensolum.com	Due Date:	02/02/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E402036
Job Number:	01058-0007
Received:	2/2/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/8/24

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

Date Reported: 2/8/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E402036
Date Received: 2/2/2024 6:10:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/2/2024 6:10:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH17 0.5’ 5
- BH17 4’ 6
- BH17 10’ 7
- BH17 15’ 8
- BH17 20’ 9
- BH17 24’ 10

QC Summary Data 11

- QC - Volatile Organics by EPA 8021B 11
- QC - Nonhalogenated Organics by EPA 8015D - GRO 12
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/08/24 13:29

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH17 0.5'	E402036-01A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.
BH17 4'	E402036-02A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.
BH17 10'	E402036-03A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.
BH17 15'	E402036-04A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.
BH17 20'	E402036-05A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.
BH17 24'	E402036-06A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:29:42PM

BH17 0.5'

E402036-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/06/24	
Surrogate: n-Nonane		*96.2 %*	*50-200*	*02/05/24*	*02/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405171
Chloride	ND	20.0	1	02/03/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:29:42PM

BH17 4'

E402036-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.8 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/06/24	
Surrogate: n-Nonane		*97.2 %*	*50-200*	*02/05/24*	*02/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405171
Chloride	**98.6**	20.0	1	02/03/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:29:42PM

BH17 10'

E402036-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/06/24	
Surrogate: n-Nonane		*94.1 %*	*50-200*	*02/05/24*	*02/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405171
Chloride	**176**	20.0	1	02/03/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:29:42PM

BH17 15'

E402036-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/06/24	
Surrogate: n-Nonane		*93.7 %*	*50-200*	*02/05/24*	*02/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405171
Chloride	**532**	20.0	1	02/03/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:29:42PM

BH17 20'

E402036-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.3 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/06/24	
Surrogate: n-Nonane		*91.6 %*	*50-200*	*02/05/24*	*02/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405171
Chloride	**291**	200	10	02/03/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:29:42PM

BH17 24'

E402036-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2405166
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/24	02/05/24	
Surrogate: n-Nonane		*91.5 %*	*50-200*	*02/04/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405171
Chloride	**242**	200	10	02/03/24	02/05/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:29:42PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405157-BLK1)									Prepared: 02/02/24 Analyzed: 02/04/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.62*		*8.00*		*95.2*	*70-130*			
LCS (2405157-BS1)									Prepared: 02/02/24 Analyzed: 02/04/24
Benzene	5.13	0.0250	5.00		103	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	5.05	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.62*		*8.00*		*95.3*	*70-130*			
Matrix Spike (2405157-MS1)				**Source: E402035-05**					Prepared: 02/02/24 Analyzed: 02/04/24
Benzene	5.24	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.20	0.0250	5.00	ND	104	61-133			
Toluene	5.22	0.0250	5.00	ND	104	61-130			
o-Xylene	5.15	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.55*		*8.00*		*94.4*	*70-130*			
Matrix Spike Dup (2405157-MSD1)				**Source: E402035-05**					Prepared: 02/02/24 Analyzed: 02/04/24
Benzene	5.03	0.0250	5.00	ND	101	54-133	4.15	20	
Ethylbenzene	5.02	0.0250	5.00	ND	100	61-133	3.66	20	
Toluene	5.01	0.0250	5.00	ND	100	61-130	3.98	20	
o-Xylene	4.96	0.0250	5.00	ND	99.3	63-131	3.73	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	3.95	20	
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131	3.88	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*95.0*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:29:42PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405157-BLK1)									Prepared: 02/02/24 Analyzed: 02/04/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.64*		*8.00*		*95.5*	*70-130*			
LCS (2405157-BS2)									Prepared: 02/02/24 Analyzed: 02/04/24
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2405157-MS2)				**Source: E402035-05**					Prepared: 02/02/24 Analyzed: 02/04/24
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.69*		*8.00*		*96.1*	*70-130*			
Matrix Spike Dup (2405157-MSD2)				**Source: E402035-05**					Prepared: 02/02/24 Analyzed: 02/04/24
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.6	70-130	1.81	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:29:42PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405166-BLK1)									Prepared: 02/04/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.9*		*50.0*		*93.9*	*50-200*			
LCS (2405166-BS1)									Prepared: 02/04/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	223	25.0	250		89.1	38-132			
Surrogate: n-Nonane	*48.1*		*50.0*		*96.2*	*50-200*			
LCS Dup (2405166-BSD1)									Prepared: 02/04/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	217	25.0	250		86.9	38-132	2.48	20	
Surrogate: n-Nonane	*47.0*		*50.0*		*94.0*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:29:42PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406022-BLK1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.5*		*50.0*		*91.0*	*50-200*			
LCS (2406022-BS1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	229	25.0	250		91.6	38-132			
Surrogate: n-Nonane	*43.9*		*50.0*		*87.8*	*50-200*			
LCS Dup (2406022-BSD1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	232	25.0	250		93.0	38-132	1.52	20	
Surrogate: n-Nonane	*45.4*		*50.0*		*90.8*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:29:42PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405171-BLK1)									Prepared: 02/03/24 Analyzed: 02/05/24
Chloride	ND	20.0							
LCS (2405171-BS1)									Prepared: 02/03/24 Analyzed: 02/05/24
Chloride	244	20.0	250		97.7	90-110			
LCS Dup (2405171-BSD1)									Prepared: 02/03/24 Analyzed: 02/05/24
Chloride	243	20.0	250		97.3	90-110	0.436	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/08/24 13:29

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	
Project: Barbados State #001 SWD	
Project Manager: Gilbert Moreno	
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	
Phone: 832-541-7719	
Email: Devon-team@etechenv.com	
Collected by: Gilbert Moreno	

Bill To

Attention: Jim Raley
Address: 5315 Buena Vista Dr.
City, State, Zip: Carlsbad, NM, 88220
Phone: 575-885-7502
Email: jim.raley@dvn.com
WBS/WO: 21196155
Incident ID: nAB161956595

Lab Use Only

Lab WO# E402036 | Job Number 01055-0009

TAT

1D	2D	3D	Standard
			5 Day TAT

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
x					

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
11:00	1.30.24	S	1	BH17	1	0.5'								X				
11:10	1.30.24	S	1	BH17	2	4'								X				
11:20	1.30.24	S	1	BH17	3	10'								X				
11:30	1.30.24	S	1	BH17	4	15'								X				
11:40	1.30.24	S	1	BH17	5	20'								X				
11:50	1.30.24	S	1	BH17	6	24'								X				1-day Rush

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2/1/24	10:24	Michelle Gaylor	2-1-24	1024
Michelle Gaylor	2-1-24	1630		2-1-24	16:30
	2/1/24	23:48		020224	0600

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

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

envirotech

Envirotech Analytical Laboratory

Printed: 2/2/2024 12:35:35PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/02/24 06:10	Work Order ID:	E402036
Phone:	(539) 573-4018	Date Logged In:	02/02/24 12:31	Logged In By:	Jessica Liesse
Email:	devon-team@ensolum.com	Due Date:	02/02/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	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 filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E402035
Job Number:	01058-0007
Received:	2/2/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/8/24

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

Date Reported: 2/8/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E402035
Date Received: 2/2/2024 6:10:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/2/2024 6:10:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH18 0.5’ 5
- BH18 4’ 6
- BH18 10’ 7
- BH15 15’ 8
- BH18 20’ 9
- BH18 24’ 10

QC Summary Data 11

- QC - Volatile Organics by EPA 8021B 11
- QC - Nonhalogenated Organics by EPA 8015D - GRO 12
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13
- QC - Anions by EPA 300.0/9056A 14

Definitions and Notes 15

Chain of Custody etc. 16

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/08/24 13:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH18 0.5'	E402035-01A	Soil	01/29/24	02/02/24	Glass Jar, 2 oz.
BH18 4'	E402035-02A	Soil	01/29/24	02/02/24	Glass Jar, 2 oz.
BH18 10'	E402035-03A	Soil	01/29/24	02/02/24	Glass Jar, 2 oz.
BH15 15'	E402035-04A	Soil	01/29/24	02/02/24	Glass Jar, 2 oz.
BH18 20'	E402035-05A	Soil	01/29/24	02/02/24	Glass Jar, 2 oz.
BH18 24'	E402035-06A	Soil	01/29/24	02/02/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:28:49PM

BH18 0.5'

E402035-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.2 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*91.0 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405171
Chloride	ND	20.0	1	02/03/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:28:49PM

BH18 4'

E402035-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.9 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*95.2 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405171
Chloride	**63.5**	20.0	1	02/03/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:28:49PM

BH18 10'

E402035-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.7 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*94.6 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405171
Chloride	ND	200	10	02/03/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:28:49PM

BH15 15'

E402035-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*92.7 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405171
Chloride	ND	200	10	02/03/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:28:49PM

BH18 20'

E402035-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/06/24	
Surrogate: n-Nonane		*96.7 %*	*50-200*	*02/05/24*	*02/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405171
Chloride	ND	200	10	02/03/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:28:49PM

BH18 24'

E402035-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.6 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*98.9 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405171
Chloride	**281**	200	10	02/03/24	02/05/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:28:49PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405157-BLK1)									Prepared: 02/02/24 Analyzed: 02/04/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.62*		*8.00*		*95.2*	*70-130*			
LCS (2405157-BS1)									Prepared: 02/02/24 Analyzed: 02/04/24
Benzene	5.13	0.0250	5.00		103	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	5.05	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.62*		*8.00*		*95.3*	*70-130*			
Matrix Spike (2405157-MS1)				**Source: E402035-05**					Prepared: 02/02/24 Analyzed: 02/04/24
Benzene	5.24	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.20	0.0250	5.00	ND	104	61-133			
Toluene	5.22	0.0250	5.00	ND	104	61-130			
o-Xylene	5.15	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.55*		*8.00*		*94.4*	*70-130*			
Matrix Spike Dup (2405157-MSD1)				**Source: E402035-05**					Prepared: 02/02/24 Analyzed: 02/04/24
Benzene	5.03	0.0250	5.00	ND	101	54-133	4.15	20	
Ethylbenzene	5.02	0.0250	5.00	ND	100	61-133	3.66	20	
Toluene	5.01	0.0250	5.00	ND	100	61-130	3.98	20	
o-Xylene	4.96	0.0250	5.00	ND	99.3	63-131	3.73	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	3.95	20	
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131	3.88	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*95.0*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:28:49PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405157-BLK1)									Prepared: 02/02/24 Analyzed: 02/04/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.64*		*8.00*		*95.5*	*70-130*			
LCS (2405157-BS2)									Prepared: 02/02/24 Analyzed: 02/04/24
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2405157-MS2)				**Source: E402035-05**					Prepared: 02/02/24 Analyzed: 02/04/24
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.69*		*8.00*		*96.1*	*70-130*			
Matrix Spike Dup (2405157-MSD2)				**Source: E402035-05**					Prepared: 02/02/24 Analyzed: 02/04/24
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.6	70-130	1.81	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:28:49PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406022-BLK1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.5*		*50.0*		*91.0*	*50-200*			
LCS (2406022-BS1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	229	25.0	250		91.6	38-132			
Surrogate: n-Nonane	*43.9*		*50.0*		*87.8*	*50-200*			
LCS Dup (2406022-BSD1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	232	25.0	250		93.0	38-132	1.52	20	
Surrogate: n-Nonane	*45.4*		*50.0*		*90.8*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:28:49PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405171-BLK1)									Prepared: 02/03/24 Analyzed: 02/05/24
Chloride	ND	20.0							
LCS (2405171-BS1)									Prepared: 02/03/24 Analyzed: 02/05/24
Chloride	244	20.0	250		97.7	90-110			
LCS Dup (2405171-BSD1)									Prepared: 02/03/24 Analyzed: 02/05/24
Chloride	243	20.0	250		97.3	90-110	0.436	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/08/24 13:28

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 2/2/2024 12:28:58PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/02/24 06:10	Work Order ID:	E402035
Phone:	(539) 573-4018	Date Logged In:	02/02/24 12:24	Logged In By:	Jessica Liesse
Email:	devon-team@esolum.com	Due Date:	02/02/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E401208
Job Number:	01058-0007
Received:	1/29/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/5/24

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

Date Reported: 2/5/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E401208
Date Received: 1/29/2024 11:06:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/29/2024 11:06:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

BH19 4’ 6

BH19 10’ 7

BH19 15’ 8

BH19 20’ 9

BH19 24’ 10

QC Summary Data 11

QC - Volatile Organics by EPA 8021B 11

QC - Nonhalogenated Organics by EPA 8015D - GRO 12

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13

QC - Anions by EPA 300.0/9056A 14

Definitions and Notes 15

Chain of Custody etc. 16

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/05/24 13:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH19 0.5'	E401208-01A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.
BH19 4'	E401208-02A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.
BH19 10'	E401208-03A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.
BH19 15'	E401208-04A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.
BH19 20'	E401208-05A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.
BH19 24'	E401208-06A	Soil	01/25/24	01/29/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/5/2024 1:20:28PM

BH19 0.5'

E401208-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2405042
Benzene	ND	0.0250	1	01/30/24	02/04/24	
Ethylbenzene	ND	0.0250	1	01/30/24	02/04/24	
Toluene	ND	0.0250	1	01/30/24	02/04/24	
o-Xylene	ND	0.0250	1	01/30/24	02/04/24	
p,m-Xylene	ND	0.0500	1	01/30/24	02/04/24	
Total Xylenes	ND	0.0250	1	01/30/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*01/30/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2405042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.4 %*	*70-130*	*01/30/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405056
Diesel Range Organics (C10-C28)	**39.8**	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*01/31/24*	*01/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405058
Chloride	**4320**	40.0	2	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/5/2024 1:20:28PM

BH19 4'

E401208-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2405042
Benzene	ND	0.0250	1	01/30/24	02/04/24	
Ethylbenzene	ND	0.0250	1	01/30/24	02/04/24	
Toluene	ND	0.0250	1	01/30/24	02/04/24	
o-Xylene	ND	0.0250	1	01/30/24	02/04/24	
p,m-Xylene	ND	0.0500	1	01/30/24	02/04/24	
Total Xylenes	ND	0.0250	1	01/30/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*01/30/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2405042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*01/30/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405056
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*01/31/24*	*01/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405058
Chloride	**1970**	40.0	2	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/5/2024 1:20:28PM

BH19 10'

E401208-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2405042
Benzene	ND	0.0250	1	01/30/24	02/04/24	
Ethylbenzene	ND	0.0250	1	01/30/24	02/04/24	
Toluene	ND	0.0250	1	01/30/24	02/04/24	
o-Xylene	ND	0.0250	1	01/30/24	02/04/24	
p,m-Xylene	ND	0.0500	1	01/30/24	02/04/24	
Total Xylenes	ND	0.0250	1	01/30/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*01/30/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2405042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*01/30/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405056
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*01/31/24*	*01/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405058
Chloride	**1250**	20.0	1	01/31/24	01/31/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/5/2024 1:20:28PM

BH19 15'

E401208-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2405042
Benzene	ND	0.0250	1	01/30/24	02/04/24	
Ethylbenzene	ND	0.0250	1	01/30/24	02/04/24	
Toluene	ND	0.0250	1	01/30/24	02/04/24	
o-Xylene	ND	0.0250	1	01/30/24	02/04/24	
p,m-Xylene	ND	0.0500	1	01/30/24	02/04/24	
Total Xylenes	ND	0.0250	1	01/30/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*01/30/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2405042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*01/30/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405056
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*01/31/24*	*01/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405058
Chloride	**3290**	40.0	2	01/31/24	02/01/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/5/2024 1:20:28PM

BH19 20'

E401208-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2405042
Benzene	ND	0.0250	1	01/30/24	02/04/24	
Ethylbenzene	ND	0.0250	1	01/30/24	02/04/24	
Toluene	ND	0.0250	1	01/30/24	02/04/24	
o-Xylene	ND	0.0250	1	01/30/24	02/04/24	
p,m-Xylene	ND	0.0500	1	01/30/24	02/04/24	
Total Xylenes	ND	0.0250	1	01/30/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*01/30/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2405042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*01/30/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405056
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*01/31/24*	*01/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405058
Chloride	**1630**	200	10	01/31/24	02/01/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/5/2024 1:20:28PM

BH19 24'

E401208-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2405042
Benzene	ND	0.0250	1	01/30/24	02/01/24	
Ethylbenzene	ND	0.0250	1	01/30/24	02/01/24	
Toluene	ND	0.0250	1	01/30/24	02/01/24	
o-Xylene	ND	0.0250	1	01/30/24	02/01/24	
p,m-Xylene	ND	0.0500	1	01/30/24	02/01/24	
Total Xylenes	ND	0.0250	1	01/30/24	02/01/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2405042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	02/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*01/30/24*	*02/01/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405056
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*01/31/24*	*01/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2405058
Chloride	ND	200	10	01/31/24	02/01/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/5/2024 1:20:28PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405042-BLK1)									Prepared: 01/30/24 Analyzed: 02/04/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.64*		*8.00*		*95.5*	*70-130*			
LCS (2405042-BS1)									Prepared: 01/30/24 Analyzed: 02/04/24
Benzene	4.97	0.0250	5.00		99.3	70-130			
Ethylbenzene	4.83	0.0250	5.00		96.5	70-130			
Toluene	4.95	0.0250	5.00		99.1	70-130			
o-Xylene	4.90	0.0250	5.00		98.0	70-130			
p,m-Xylene	9.88	0.0500	10.0		98.8	70-130			
Total Xylenes	14.8	0.0250	15.0		98.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike (2405042-MS1)				**Source: E401187-05**					Prepared: 01/30/24 Analyzed: 02/04/24
Benzene	4.90	0.0250	5.00	ND	98.1	54-133			
Ethylbenzene	4.76	0.0250	5.00	ND	95.2	61-133			
Toluene	4.89	0.0250	5.00	ND	97.8	61-130			
o-Xylene	4.84	0.0250	5.00	ND	96.7	63-131			
p,m-Xylene	9.74	0.0500	10.0	ND	97.4	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.9*	*70-130*			
Matrix Spike Dup (2405042-MSD1)				**Source: E401187-05**					Prepared: 01/30/24 Analyzed: 02/04/24
Benzene	4.87	0.0250	5.00	ND	97.4	54-133	0.725	20	
Ethylbenzene	4.74	0.0250	5.00	ND	94.8	61-133	0.477	20	
Toluene	4.86	0.0250	5.00	ND	97.2	61-130	0.639	20	
o-Xylene	4.81	0.0250	5.00	ND	96.3	63-131	0.487	20	
p,m-Xylene	9.69	0.0500	10.0	ND	96.9	63-131	0.496	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.7	63-131	0.493	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/5/2024 1:20:28PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405042-BLK1)									Prepared: 01/30/24 Analyzed: 02/04/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.34*		*8.00*		*91.8*	*70-130*			
LCS (2405042-BS2)									Prepared: 01/30/24 Analyzed: 02/04/24
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0		92.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		*8.00*		*93.4*	*70-130*			
Matrix Spike (2405042-MS2)				**Source: E401187-05**					Prepared: 01/30/24 Analyzed: 02/04/24
Gasoline Range Organics (C6-C10)	45.3	20.0	50.0	ND	90.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.47*		*8.00*		*93.4*	*70-130*			
Matrix Spike Dup (2405042-MSD2)				**Source: E401187-05**					Prepared: 01/30/24 Analyzed: 02/04/24
Gasoline Range Organics (C6-C10)	44.2	20.0	50.0	ND	88.4	70-130	2.60	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.42*		*8.00*		*92.7*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/5/2024 1:20:28PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405056-BLK1)									Prepared: 01/31/24 Analyzed: 01/31/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.7*		*50.0*		*107*	*50-200*			
LCS (2405056-BS1)									Prepared: 01/31/24 Analyzed: 01/31/24
Diesel Range Organics (C10-C28)	236	25.0	250		94.5	38-132			
Surrogate: n-Nonane	*52.4*		*50.0*		*105*	*50-200*			
Matrix Spike (2405056-MS1)				**Source: E401191-01**					Prepared: 01/31/24 Analyzed: 01/31/24
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.3	38-132			
Surrogate: n-Nonane	*53.7*		*50.0*		*107*	*50-200*			
Matrix Spike Dup (2405056-MSD1)				**Source: E401191-01**					Prepared: 01/31/24 Analyzed: 01/31/24
Diesel Range Organics (C10-C28)	235	25.0	250	ND	94.2	38-132	0.0928	20	
Surrogate: n-Nonane	*53.4*		*50.0*		*107*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/5/2024 1:20:28PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405058-BLK1)									Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	ND	20.0							
LCS (2405058-BS1)									Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2405058-MS1)				**Source: E401208-03**					Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	1350	20.0	250	1250	38.1	80-120			M4
Matrix Spike Dup (2405058-MSD1)				**Source: E401208-03**					Prepared: 01/31/24 Analyzed: 01/31/24
Chloride	1380	20.0	250	1250	51.3	80-120	2.41	20	M4

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/05/24 13:20

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	**Bill To**	Lab Use Only	TAT / EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E401208	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 Day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		CWA SDWA RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: 832-541-7719	Email: jim.raley@dvn.com		NM: x
Email: Devon-team@etechenv.com	WBS/WO: 21196155		
Collected by: Gilbert Moreno	Incident ID: nAB161956595		

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

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	BGDOC NM	GDOC TX	Remarks
9:00	1.25.24	S	1	BH19	1	0.5'	X		
9:10	1.25.24	S	1	BH19	2	4'	X		
9:20	1.25.24	S	1	BH19	3	10'	X		
9:30	1.25.24	S	1	BH19	4	15'	X		
9:40	1.25.24	S	1	BH19	5	20'	X		
9:50	1.25.24	S	1	BH19	6	24'	X		

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/26/24	0946		1-26-24	0946
	1-26-24	1715		1-26-24	1715
	1-26-24	2300		1-29-24	11:06

Lab Use Only: Received on ice: (Y) / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other ____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

envirotech

Envirotech Analytical Laboratory

Printed: 1/29/2024 3:50:02PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	01/29/24 11:06	Work Order ID:	E401208
Phone:	(539) 573-4018	Date Logged In:	01/29/24 11:06	Logged In By:	Angelina Pineda
Email:	devon-team@ensolum.com	Due Date:	02/02/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E402034
Job Number:	01058-0007
Received:	2/2/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/8/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
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Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/8/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E402034
Date Received: 2/2/2024 6:10:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/2/2024 6:10:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH20 0.5’ 5
- BH20 4’ 6
- BH20 10’ 7
- BH20 15’ 8
- BH20 20’ 9

QC Summary Data 10

- QC - Volatile Organic Compounds by EPA 8260B 10
- QC - Nonhalogenated Organics by EPA 8015D - GRO 11
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 12
- QC - Anions by EPA 300.0/9056A 13

Definitions and Notes 14

Chain of Custody etc. 15

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/08/24 16:24

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH20 0.5'	E402034-01A	Soil	01/29/24	02/02/24	Glass Jar, 2 oz.
BH20 4'	E402034-02A	Soil	01/29/24	02/02/24	Glass Jar, 2 oz.
BH20 10'	E402034-03A	Soil	01/29/24	02/02/24	Glass Jar, 2 oz.
BH20 15'	E402034-04A	Soil	01/29/24	02/02/24	Glass Jar, 2 oz.
BH20 20'	E402034-05A	Soil	01/29/24	02/02/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 4:24:34PM

BH20 0.5'

E402034-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Benzene	ND	0.0250	1	02/02/24	02/06/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/06/24	
Toluene	ND	0.0250	1	02/02/24	02/06/24	
o-Xylene	ND	0.0250	1	02/02/24	02/06/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/06/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*123 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*123 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*91.5 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405168
Chloride	ND	20.0	1	02/03/24	02/04/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 4:24:34PM

BH20 4'

E402034-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Benzene	ND	0.0250	1	02/02/24	02/08/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/08/24	
Toluene	ND	0.0250	1	02/02/24	02/08/24	
o-Xylene	ND	0.0250	1	02/02/24	02/08/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/08/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/08/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*02/02/24*	*02/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*89.2 %*	*70-130*	*02/02/24*	*02/08/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*02/02/24*	*02/08/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/08/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*02/02/24*	*02/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*89.2 %*	*70-130*	*02/02/24*	*02/08/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*02/02/24*	*02/08/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*94.0 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405168
Chloride	**99.9**	20.0	1	02/03/24	02/04/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 4:24:34PM

BH20 10'

E402034-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Benzene	ND	0.0250	1	02/02/24	02/08/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/08/24	
Toluene	ND	0.0250	1	02/02/24	02/08/24	
o-Xylene	ND	0.0250	1	02/02/24	02/08/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/08/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/08/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*02/02/24*	*02/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.4 %*	*70-130*	*02/02/24*	*02/08/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*02/02/24*	*02/08/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/08/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*02/02/24*	*02/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.4 %*	*70-130*	*02/02/24*	*02/08/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*02/02/24*	*02/08/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*93.4 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405168
Chloride	**1530**	200	10	02/03/24	02/04/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 4:24:34PM

BH20 15'

E402034-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Benzene	ND	0.0250	1	02/02/24	02/05/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/05/24	
Toluene	ND	0.0250	1	02/02/24	02/05/24	
o-Xylene	ND	0.0250	1	02/02/24	02/05/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/05/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*91.4 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405168
Chloride	**1060**	200	10	02/03/24	02/04/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 4:24:34PM

BH20 20'

E402034-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Benzene	ND	0.0250	1	02/02/24	02/06/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/06/24	
Toluene	ND	0.0250	1	02/02/24	02/06/24	
o-Xylene	ND	0.0250	1	02/02/24	02/06/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/06/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*85.6 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405168
Chloride	**962**	200	10	02/03/24	02/04/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 4:24:34PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405156-BLK1)									Prepared: 02/02/24 Analyzed: 02/06/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.566*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.468*		*0.500*		*93.5*	*70-130*			
Surrogate: Toluene-d8	*0.549*		*0.500*		*110*	*70-130*			
LCS (2405156-BS1)									Prepared: 02/02/24 Analyzed: 02/06/24
Benzene	2.58	0.0250	2.50		103	70-130			
Ethylbenzene	2.61	0.0250	2.50		105	70-130			
Toluene	2.54	0.0250	2.50		101	70-130			
o-Xylene	2.61	0.0250	2.50		104	70-130			
p,m-Xylene	5.20	0.0500	5.00		104	70-130			
Total Xylenes	7.82	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	*0.583*		*0.500*		*117*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.470*		*0.500*		*93.9*	*70-130*			
Surrogate: Toluene-d8	*0.536*		*0.500*		*107*	*70-130*			
Matrix Spike (2405156-MS1)				**Source: E402033-04**					Prepared: 02/02/24 Analyzed: 02/06/24
Benzene	2.56	0.0250	2.50	ND	102	48-131			
Ethylbenzene	2.66	0.0250	2.50	ND	107	45-135			
Toluene	2.55	0.0250	2.50	ND	102	48-130			
o-Xylene	2.67	0.0250	2.50	ND	107	43-135			
p,m-Xylene	5.31	0.0500	5.00	ND	106	43-135			
Total Xylenes	7.98	0.0250	7.50	ND	106	43-135			
Surrogate: Bromofluorobenzene	*0.575*		*0.500*		*115*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.532*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2405156-MSD1)				**Source: E402033-04**					Prepared: 02/02/24 Analyzed: 02/06/24
Benzene	2.72	0.0250	2.50	ND	109	48-131	6.17	23	
Ethylbenzene	2.79	0.0250	2.50	ND	112	45-135	4.77	27	
Toluene	2.70	0.0250	2.50	ND	108	48-130	5.56	24	
o-Xylene	2.85	0.0250	2.50	ND	114	43-135	6.65	27	
p,m-Xylene	5.64	0.0500	5.00	ND	113	43-135	6.01	27	
Total Xylenes	8.50	0.0250	7.50	ND	113	43-135	6.23	27	
Surrogate: Bromofluorobenzene	*0.590*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.3*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 4:24:34PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405156-BLK1)									Prepared: 02/02/24 Analyzed: 02/06/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.566*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.468*		*0.500*		*93.5*	*70-130*			
Surrogate: Toluene-d8	*0.549*		*0.500*		*110*	*70-130*			
LCS (2405156-BS2)									Prepared: 02/02/24 Analyzed: 02/06/24
Gasoline Range Organics (C6-C10)	54.7	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	*0.572*		*0.500*		*114*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.458*		*0.500*		*91.5*	*70-130*			
Surrogate: Toluene-d8	*0.543*		*0.500*		*109*	*70-130*			
Matrix Spike (2405156-MS2)				**Source: E402033-04**					Prepared: 02/02/24 Analyzed: 02/06/24
Gasoline Range Organics (C6-C10)	55.1	20.0	50.0	ND	110	70-130			
Surrogate: Bromofluorobenzene	*0.567*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.541*		*0.500*		*108*	*70-130*			
Matrix Spike Dup (2405156-MSD2)				**Source: E402033-04**					Prepared: 02/02/24 Analyzed: 02/06/24
Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130	3.23	20	
Surrogate: Bromofluorobenzene	*0.557*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.458*		*0.500*		*91.6*	*70-130*			
Surrogate: Toluene-d8	*0.545*		*0.500*		*109*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 4:24:34PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406022-BLK1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.5*		*50.0*		*91.0*	*50-200*			
LCS (2406022-BS1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	229	25.0	250		91.6	38-132			
Surrogate: n-Nonane	*43.9*		*50.0*		*87.8*	*50-200*			
LCS Dup (2406022-BSD1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	232	25.0	250		93.0	38-132	1.52	20	
Surrogate: n-Nonane	*45.4*		*50.0*		*90.8*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 4:24:34PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405168-BLK1)									Prepared: 02/03/24 Analyzed: 02/04/24
Chloride	ND	20.0							
LCS (2405168-BS1)									Prepared: 02/03/24 Analyzed: 02/04/24
Chloride	246	20.0	250		98.4	90-110			
LCS Dup (2405168-BSD1)									Prepared: 02/03/24 Analyzed: 02/04/24
Chloride	245	20.0	250		98.1	90-110	0.230	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/08/24 16:24

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	**Bill To**	Lab Use Only	TAT / EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E402034	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.	1D 2D 3D Standard: 5 Day TAT	CWA / SDWA / RCRA
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21196155		
Collected by: Gilbert Moreno	Incident ID: nAB161956595		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
9:30	1.29.24	S	1	BH20	1	0.5'								X				
9:40	1.29.24	S	1	BH20	2	4'								X				
9:50	1.29.24	S	1	BH20	3	10'								X				
10:00	1.29.24	S	1	BH20	4	15'								X				
10:05	1.29.24	S	1	BH20	5	20'								X				1-day Rush

State: NM x | CO | UT | AZ | TX

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2/1/24	10:24		2-1-24	1024
	2-1-24	1630		2/1/24	16:30
	2/1/24	23:48		020224	0010

Lab Use Only: Received on ice: (Y) / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other ____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

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Page 585 of 1180

Envirotech Analytical Laboratory

Printed: 2/2/2024 12:19:55PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/02/24 06:10	Work Order ID:	E402034
Phone:	(539) 573-4018	Date Logged In:	02/02/24 12:16	Logged In By:	Jessica Liesse
Email:	devon-team@ensolum.com	Due Date:	02/02/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E402033
Job Number:	01058-0007
Received:	2/2/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/7/24

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

Date Reported: 2/7/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E402033
Date Received: 2/2/2024 6:10:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/2/2024 6:10:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Cell: 775-287-1762
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH21 0.5’ 5
- BH21 4’ 6
- BH21 10’ 7
- BH21 15’ 8
- BH21 20’ 9

QC Summary Data 10

- QC - Volatile Organic Compounds by EPA 8260B 10
- QC - Nonhalogenated Organics by EPA 8015D - GRO 11
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 12
- QC - Anions by EPA 300.0/9056A 14

Definitions and Notes 15

Chain of Custody etc. 16

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/07/24 13:57

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH21 0.5'	E402033-01A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.
BH21 4'	E402033-02A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.
BH21 10'	E402033-03A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.
BH21 15'	E402033-04A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.
BH21 20'	E402033-05A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:57:30PM

BH21 0.5'

E402033-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Benzene	ND	0.0250	1	02/02/24	02/06/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/06/24	
Toluene	ND	0.0250	1	02/02/24	02/06/24	
o-Xylene	ND	0.0250	1	02/02/24	02/06/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/06/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*90.5 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405168
Chloride	ND	20.0	1	02/03/24	02/04/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:57:30PM

BH21 4'

E402033-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Benzene	ND	0.0250	1	02/02/24	02/05/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/05/24	
Toluene	ND	0.0250	1	02/02/24	02/05/24	
o-Xylene	ND	0.0250	1	02/02/24	02/05/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/05/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*91.2 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405168
Chloride	**72.1**	20.0	1	02/03/24	02/04/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:57:30PM

BH21 10'

E402033-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Benzene	ND	0.0250	1	02/02/24	02/05/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/05/24	
Toluene	ND	0.0250	1	02/02/24	02/05/24	
o-Xylene	ND	0.0250	1	02/02/24	02/05/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/05/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*123 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*123 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*89.7 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405168
Chloride	**2250**	20.0	1	02/03/24	02/04/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:57:30PM

BH21 15'

E402033-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Benzene	ND	0.0250	1	02/02/24	02/06/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/06/24	
Toluene	ND	0.0250	1	02/02/24	02/06/24	
o-Xylene	ND	0.0250	1	02/02/24	02/06/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/06/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*91.9 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405168
Chloride	**1790**	100	5	02/03/24	02/04/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:57:30PM

BH21 20'

E402033-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Benzene	ND	0.0250	1	02/02/24	02/06/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/06/24	
Toluene	ND	0.0250	1	02/02/24	02/06/24	
o-Xylene	ND	0.0250	1	02/02/24	02/06/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/06/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*123 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.7 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*123 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.7 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2405166
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/24	02/05/24	
Surrogate: n-Nonane		*92.4 %*	*50-200*	*02/04/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405168
Chloride	ND	100	5	02/03/24	02/04/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:57:30PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405156-BLK1)									Prepared: 02/02/24 Analyzed: 02/06/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.566*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.468*		*0.500*		*93.5*	*70-130*			
Surrogate: Toluene-d8	*0.549*		*0.500*		*110*	*70-130*			
LCS (2405156-BS1)									Prepared: 02/02/24 Analyzed: 02/06/24
Benzene	2.58	0.0250	2.50		103	70-130			
Ethylbenzene	2.61	0.0250	2.50		105	70-130			
Toluene	2.54	0.0250	2.50		101	70-130			
o-Xylene	2.61	0.0250	2.50		104	70-130			
p,m-Xylene	5.20	0.0500	5.00		104	70-130			
Total Xylenes	7.82	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	*0.583*		*0.500*		*117*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.470*		*0.500*		*93.9*	*70-130*			
Surrogate: Toluene-d8	*0.536*		*0.500*		*107*	*70-130*			
Matrix Spike (2405156-MS1)				**Source: E402033-04**					Prepared: 02/02/24 Analyzed: 02/06/24
Benzene	2.56	0.0250	2.50	ND	102	48-131			
Ethylbenzene	2.66	0.0250	2.50	ND	107	45-135			
Toluene	2.55	0.0250	2.50	ND	102	48-130			
o-Xylene	2.67	0.0250	2.50	ND	107	43-135			
p,m-Xylene	5.31	0.0500	5.00	ND	106	43-135			
Total Xylenes	7.98	0.0250	7.50	ND	106	43-135			
Surrogate: Bromofluorobenzene	*0.575*		*0.500*		*115*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.532*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2405156-MSD1)				**Source: E402033-04**					Prepared: 02/02/24 Analyzed: 02/06/24
Benzene	2.72	0.0250	2.50	ND	109	48-131	6.17	23	
Ethylbenzene	2.79	0.0250	2.50	ND	112	45-135	4.77	27	
Toluene	2.70	0.0250	2.50	ND	108	48-130	5.56	24	
o-Xylene	2.85	0.0250	2.50	ND	114	43-135	6.65	27	
p,m-Xylene	5.64	0.0500	5.00	ND	113	43-135	6.01	27	
Total Xylenes	8.50	0.0250	7.50	ND	113	43-135	6.23	27	
Surrogate: Bromofluorobenzene	*0.590*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.3*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:57:30PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405156-BLK1)									Prepared: 02/02/24 Analyzed: 02/06/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.566*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.468*		*0.500*		*93.5*	*70-130*			
Surrogate: Toluene-d8	*0.549*		*0.500*		*110*	*70-130*			
LCS (2405156-BS2)									Prepared: 02/02/24 Analyzed: 02/06/24
Gasoline Range Organics (C6-C10)	54.7	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	*0.572*		*0.500*		*114*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.458*		*0.500*		*91.5*	*70-130*			
Surrogate: Toluene-d8	*0.543*		*0.500*		*109*	*70-130*			
Matrix Spike (2405156-MS2)				**Source: E402033-04**					Prepared: 02/02/24 Analyzed: 02/06/24
Gasoline Range Organics (C6-C10)	55.1	20.0	50.0	ND	110	70-130			
Surrogate: Bromofluorobenzene	*0.567*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.541*		*0.500*		*108*	*70-130*			
Matrix Spike Dup (2405156-MSD2)				**Source: E402033-04**					Prepared: 02/02/24 Analyzed: 02/06/24
Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130	3.23	20	
Surrogate: Bromofluorobenzene	*0.557*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.458*		*0.500*		*91.6*	*70-130*			
Surrogate: Toluene-d8	*0.545*		*0.500*		*109*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:57:30PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405166-BLK1)									Prepared: 02/04/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.9*		*50.0*		*93.9*	*50-200*			
LCS (2405166-BS1)									Prepared: 02/04/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	223	25.0	250		89.1	38-132			
Surrogate: n-Nonane	*48.1*		*50.0*		*96.2*	*50-200*			
LCS Dup (2405166-BSD1)									Prepared: 02/04/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	217	25.0	250		86.9	38-132	2.48	20	
Surrogate: n-Nonane	*47.0*		*50.0*		*94.0*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:57:30PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406022-BLK1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.5*		*50.0*		*91.0*	*50-200*			
LCS (2406022-BS1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	229	25.0	250		91.6	38-132			
Surrogate: n-Nonane	*43.9*		*50.0*		*87.8*	*50-200*			
LCS Dup (2406022-BSD1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	232	25.0	250		93.0	38-132	1.52	20	
Surrogate: n-Nonane	*45.4*		*50.0*		*90.8*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:57:30PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405168-BLK1)									Prepared: 02/03/24 Analyzed: 02/04/24
Chloride	ND	20.0							
LCS (2405168-BS1)									Prepared: 02/03/24 Analyzed: 02/04/24
Chloride	246	20.0	250		98.4	90-110			
LCS Dup (2405168-BSD1)									Prepared: 02/03/24 Analyzed: 02/04/24
Chloride	245	20.0	250		98.1	90-110	0.230	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/07/24 13:57

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

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

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

Released to Imaging: 12/23/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	**Bill To**	Lab Use Only	TAT / EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E402033	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 Day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		CWA SDWA RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM x, CO, UT, AZ, TX
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21196155		
Collected by: Gilbert Moreno	Incident ID: nAB161956595		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
8:00	1.30.24	S	1	BH21	1	0.5'								X				
8:10	1.30.24	S	1	BH21	2	4'								X				
8:20	1.30.24	S	1	BH21	3	10'								X				
8:30	1.30.24	S	1	BH21	4	15'								X				
8:40	1.30.24	S	1	BH21	5	20'								X				1-day Rush

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2/1/24	10:24		2-1-24	1024
	2-1-24	1630		2/1/24	16:30
	2/1/24	23:48		020224	0010

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 2/2/2024 12:12:39PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/02/24 06:10	Work Order ID:	E402033
Phone:	(539) 573-4018	Date Logged In:	02/02/24 12:05	Logged In By:	Jessica Liesse
Email:	devon-team@ensolum.com	Due Date:	02/02/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	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 filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E402077
Job Number:	01058-0007
Received:	2/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/14/24

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

Date Reported: 2/14/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E402077
Date Received: 2/8/2024 6:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/8/2024 6:00:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Cell: 775-287-1762
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH20 24’ 5
- BH20 29’ 6
- BH21 24’ 7
- BH21 29’ 8

QC Summary Data 9

- QC - Volatile Organics by EPA 8021B 9
- QC - Nonhalogenated Organics by EPA 8015D - GRO 10
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 11
- QC - Anions by EPA 300.0/9056A 12

Definitions and Notes 13

Chain of Custody etc. 14

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/14/24 13:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH20 24'	E402077-01A	Soil	02/05/24	02/08/24	Glass Jar, 2 oz.
BH20 29'	E402077-02A	Soil	02/05/24	02/08/24	Glass Jar, 2 oz.
BH21 24'	E402077-03A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
BH21 29'	E402077-04A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:47:04PM

BH20 24'

E402077-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.1 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/09/24	02/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/09/24	02/10/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*02/09/24*	*02/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406107
Chloride	**328**	200	10	02/09/24	02/09/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:47:04PM

BH20 29'

E402077-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Benzene	ND	0.0260	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0260	1	02/08/24	02/13/24	
Toluene	ND	0.0260	1	02/08/24	02/13/24	
o-Xylene	ND	0.0260	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0520	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0260	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Gasoline Range Organics (C6-C10)	ND	20.8	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/09/24	02/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/09/24	02/10/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/09/24*	*02/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406107
Chloride	**252**	200	10	02/09/24	02/09/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:47:04PM

BH21 24'

E402077-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/09/24	02/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/09/24	02/10/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*02/09/24*	*02/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406107
Chloride	ND	200	10	02/09/24	02/09/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:47:04PM

BH21 29'

E402077-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2406083
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/09/24	02/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/09/24	02/10/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*02/09/24*	*02/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406107
Chloride	ND	200	10	02/09/24	02/09/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:47:04PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406083-BLK1)									Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			
LCS (2406083-BS1)									Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
o-Xylene	5.16	0.0250	5.00		103	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.54*		*8.00*		*94.3*	*70-130*			
Matrix Spike (2406083-MS1)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	5.15	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
Toluene	5.16	0.0250	5.00	ND	103	61-130			
o-Xylene	5.09	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.2*	*70-130*			
Matrix Spike Dup (2406083-MSD1)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Benzene	4.82	0.0250	5.00	ND	96.4	54-133	6.53	20	
Ethylbenzene	4.71	0.0250	5.00	ND	94.2	61-133	6.54	20	
Toluene	4.83	0.0250	5.00	ND	96.5	61-130	6.64	20	
o-Xylene	4.76	0.0250	5.00	ND	95.3	63-131	6.66	20	
p,m-Xylene	9.61	0.0500	10.0	ND	96.1	63-131	6.47	20	
Total Xylenes	14.4	0.0250	15.0	ND	95.9	63-131	6.53	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.1*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:47:04PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406083-BLK1)									Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2406083-BS2)									Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike (2406083-MS2)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	ND	85.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike Dup (2406083-MSD2)				**Source: E402082-01**					Prepared: 02/08/24 Analyzed: 02/14/24
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.2	70-130	4.12	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.4*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:47:04PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406099-BLK1)									Prepared: 02/09/24 Analyzed: 02/10/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.4*		*50.0*		*115*	*50-200*			
LCS (2406099-BS1)									Prepared: 02/09/24 Analyzed: 02/10/24
Diesel Range Organics (C10-C28)	279	25.0	250		112	38-132			
Surrogate: n-Nonane	*57.6*		*50.0*		*115*	*50-200*			
Matrix Spike (2406099-MS1)				**Source: E402065-02**					Prepared: 02/09/24 Analyzed: 02/10/24
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	38-132			
Surrogate: n-Nonane	*58.3*		*50.0*		*117*	*50-200*			
Matrix Spike Dup (2406099-MSD1)				**Source: E402065-02**					Prepared: 02/09/24 Analyzed: 02/10/24
Diesel Range Organics (C10-C28)	291	25.0	250	ND	116	38-132	2.46	20	
Surrogate: n-Nonane	*58.7*		*50.0*		*117*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/14/2024 1:47:04PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406107-BLK1)									Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	ND	20.0							
LCS (2406107-BS1)									Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2406107-MS1)				**Source: E402075-24**					Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	278	20.0	250	24.3	101	80-120			
Matrix Spike Dup (2406107-MSD1)				**Source: E402075-24**					Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	275	20.0	250	24.3	100	80-120	1.16	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/14/24 13:47

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	**Bill To**	Lab Use Only	TAT / EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E402077	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.	1D 2D 3D Standard: 5 Day TAT	CWA / SDWA / RCRA
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21196155		
Collected by: Gilbert Moreno	Incident ID: nAB161956595		

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

State: NM x; CO; UT; AZ; TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
15:00	2.5.24	S	1	BH20	1	24'								X				
15:20	2.5.24	S	1	BH20	2	29'								X				
8:00	2.6.24	S	1	BH21	3	24'								X				
8:20	2.6.24	S	1	BH21	4	29'								X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2.7.24	10:45		2-7-24	1045
	2.7.24	1600		2-7-24	1800
	2.7.24	2400		2-8-24	0600

Lab Use Only: Received on ice: (Y) N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other ____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

envirotech

Envirotech Analytical Laboratory

Printed: 2/8/2024 8:22:22AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/08/24 06:00	Work Order ID:	E402077
Phone:	(539) 573-4018	Date Logged In:	02/07/24 15:36	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	02/14/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E402032
Job Number:	01058-0007
Received:	2/2/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/7/24

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

Date Reported: 2/7/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E402032
Date Received: 2/2/2024 6:10:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/2/2024 6:10:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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labadmin@envirotech-inc.com

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH22 0.5’ 5
- BH22 4’ 6
- BH22 10’ 7
- BH22 15’ 8
- BH22 20’ 9
- BH22 24’ 10

QC Summary Data 11

- QC - Volatile Organic Compounds by EPA 8260B 11
- QC - Nonhalogenated Organics by EPA 8015D - GRO 12
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/07/24 13:56

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH22 0.5'	E402032-01A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.
BH22 4'	E402032-02A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.
BH22 10'	E402032-03A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.
BH22 15'	E402032-04A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.
BH22 20'	E402032-05A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.
BH22 24'	E402032-06A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:56:06PM

BH22 0.5'

E402032-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Benzene	ND	0.0250	1	02/02/24	02/05/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/05/24	
Toluene	ND	0.0250	1	02/02/24	02/05/24	
o-Xylene	ND	0.0250	1	02/02/24	02/05/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/05/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406023
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/06/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*02/05/24*	*02/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405168
Chloride	**5040**	40.0	2	02/03/24	02/04/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:56:06PM

BH22 4'

E402032-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Benzene	ND	0.0250	1	02/02/24	02/05/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/05/24	
Toluene	ND	0.0250	1	02/02/24	02/05/24	
o-Xylene	ND	0.0250	1	02/02/24	02/05/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/05/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406023
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/06/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*02/05/24*	*02/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405168
Chloride	**312**	20.0	1	02/03/24	02/04/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:56:06PM

BH22 10'

E402032-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Benzene	ND	0.0250	1	02/02/24	02/05/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/05/24	
Toluene	ND	0.0250	1	02/02/24	02/05/24	
o-Xylene	ND	0.0250	1	02/02/24	02/05/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/05/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*124 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*124 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406023
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/06/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/05/24*	*02/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405168
Chloride	**134**	20.0	1	02/03/24	02/04/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:56:06PM

BH22 15'

E402032-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Benzene	ND	0.0250	1	02/02/24	02/05/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/05/24	
Toluene	ND	0.0250	1	02/02/24	02/05/24	
o-Xylene	ND	0.0250	1	02/02/24	02/05/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/05/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*123 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*123 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406023
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/06/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*02/05/24*	*02/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405168
Chloride	**106**	100	5	02/03/24	02/04/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:56:06PM

BH22 20'

E402032-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Benzene	ND	0.0250	1	02/02/24	02/05/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/05/24	
Toluene	ND	0.0250	1	02/02/24	02/05/24	
o-Xylene	ND	0.0250	1	02/02/24	02/05/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/05/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*123 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*123 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406023
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/06/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*02/05/24*	*02/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405168
Chloride	ND	100	5	02/03/24	02/04/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:56:06PM

BH22 24'

E402032-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Benzene	ND	0.0250	1	02/02/24	02/05/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/05/24	
Toluene	ND	0.0250	1	02/02/24	02/05/24	
o-Xylene	ND	0.0250	1	02/02/24	02/05/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/05/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*123 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405156
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*123 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2405166
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/24	02/05/24	
Surrogate: n-Nonane		*95.3 %*	*50-200*	*02/04/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405168
Chloride	ND	100	5	02/03/24	02/04/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:56:06PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405156-BLK1)									Prepared: 02/02/24 Analyzed: 02/06/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.566*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.468*		*0.500*		*93.5*	*70-130*			
Surrogate: Toluene-d8	*0.549*		*0.500*		*110*	*70-130*			
LCS (2405156-BS1)									Prepared: 02/02/24 Analyzed: 02/06/24
Benzene	2.58	0.0250	2.50		103	70-130			
Ethylbenzene	2.61	0.0250	2.50		105	70-130			
Toluene	2.54	0.0250	2.50		101	70-130			
o-Xylene	2.61	0.0250	2.50		104	70-130			
p,m-Xylene	5.20	0.0500	5.00		104	70-130			
Total Xylenes	7.82	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	*0.583*		*0.500*		*117*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.470*		*0.500*		*93.9*	*70-130*			
Surrogate: Toluene-d8	*0.536*		*0.500*		*107*	*70-130*			
Matrix Spike (2405156-MS1)				**Source: E402033-04**					Prepared: 02/02/24 Analyzed: 02/06/24
Benzene	2.56	0.0250	2.50	ND	102	48-131			
Ethylbenzene	2.66	0.0250	2.50	ND	107	45-135			
Toluene	2.55	0.0250	2.50	ND	102	48-130			
o-Xylene	2.67	0.0250	2.50	ND	107	43-135			
p,m-Xylene	5.31	0.0500	5.00	ND	106	43-135			
Total Xylenes	7.98	0.0250	7.50	ND	106	43-135			
Surrogate: Bromofluorobenzene	*0.575*		*0.500*		*115*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.532*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2405156-MSD1)				**Source: E402033-04**					Prepared: 02/02/24 Analyzed: 02/06/24
Benzene	2.72	0.0250	2.50	ND	109	48-131	6.17	23	
Ethylbenzene	2.79	0.0250	2.50	ND	112	45-135	4.77	27	
Toluene	2.70	0.0250	2.50	ND	108	48-130	5.56	24	
o-Xylene	2.85	0.0250	2.50	ND	114	43-135	6.65	27	
p,m-Xylene	5.64	0.0500	5.00	ND	113	43-135	6.01	27	
Total Xylenes	8.50	0.0250	7.50	ND	113	43-135	6.23	27	
Surrogate: Bromofluorobenzene	*0.590*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.3*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:56:06PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405156-BLK1)									Prepared: 02/02/24 Analyzed: 02/06/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.566*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.468*		*0.500*		*93.5*	*70-130*			
Surrogate: Toluene-d8	*0.549*		*0.500*		*110*	*70-130*			
LCS (2405156-BS2)									Prepared: 02/02/24 Analyzed: 02/06/24
Gasoline Range Organics (C6-C10)	54.7	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	*0.572*		*0.500*		*114*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.458*		*0.500*		*91.5*	*70-130*			
Surrogate: Toluene-d8	*0.543*		*0.500*		*109*	*70-130*			
Matrix Spike (2405156-MS2)				**Source: E402033-04**					Prepared: 02/02/24 Analyzed: 02/06/24
Gasoline Range Organics (C6-C10)	55.1	20.0	50.0	ND	110	70-130			
Surrogate: Bromofluorobenzene	*0.567*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.541*		*0.500*		*108*	*70-130*			
Matrix Spike Dup (2405156-MSD2)				**Source: E402033-04**					Prepared: 02/02/24 Analyzed: 02/06/24
Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130	3.23	20	
Surrogate: Bromofluorobenzene	*0.557*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.458*		*0.500*		*91.6*	*70-130*			
Surrogate: Toluene-d8	*0.545*		*0.500*		*109*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:56:06PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405166-BLK1)									Prepared: 02/04/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.9*		*50.0*		*93.9*	*50-200*			
LCS (2405166-BS1)									Prepared: 02/04/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	223	25.0	250		89.1	38-132			
Surrogate: n-Nonane	*48.1*		*50.0*		*96.2*	*50-200*			
LCS Dup (2405166-BSD1)									Prepared: 02/04/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	217	25.0	250		86.9	38-132	2.48	20	
Surrogate: n-Nonane	*47.0*		*50.0*		*94.0*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:56:06PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406023-BLK1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*50-200*			
LCS (2406023-BS1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	249	25.0	250		99.5	38-132			
Surrogate: n-Nonane	*53.3*		*50.0*		*107*	*50-200*			
LCS Dup (2406023-BSD1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	246	25.0	250		98.3	38-132	1.20	20	
Surrogate: n-Nonane	*54.3*		*50.0*		*109*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 1:56:06PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405168-BLK1)									Prepared: 02/03/24 Analyzed: 02/04/24
Chloride	ND	20.0							
LCS (2405168-BS1)									Prepared: 02/03/24 Analyzed: 02/04/24
Chloride	246	20.0	250		98.4	90-110			
LCS Dup (2405168-BSD1)									Prepared: 02/03/24 Analyzed: 02/04/24
Chloride	245	20.0	250		98.1	90-110	0.230	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/07/24 13:56

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 2/2/2024 11:59:59AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/02/24 06:10	Work Order ID:	E402032
Phone:	(539) 573-4018	Date Logged In:	02/02/24 11:49	Logged In By:	Jessica Liesse
Email:	devon-team@ensolum.com	Due Date:	02/02/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E402031
Job Number:	01058-0007
Received:	2/2/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/7/24

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

Date Reported: 2/7/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E402031
Date Received: 2/2/2024 6:10:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/2/2024 6:10:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH023 0.5’ 5
- BH023 4’ 6
- BH023 10’ 7

QC Summary Data 8

- QC - Volatile Organic Compounds by EPA 8260B 8
- QC - Nonhalogenated Organics by EPA 8015D - GRO 9
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 10
- QC - Anions by EPA 300.0/9056A 12

Definitions and Notes 13

Chain of Custody etc. 14

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/07/24 14:11

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH023 0.5'	E402031-01A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.
BH023 4'	E402031-02A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.
BH023 10'	E402031-03A	Soil	01/30/24	02/02/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 2:11:58PM

BH023 0.5'

E402031-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406023
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406002
Chloride	**4340**	40.0	2	02/04/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 2:11:58PM

BH023 4'

E402031-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406023
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/06/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*02/05/24*	*02/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406002
Chloride	**2550**	20.0	1	02/04/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 2:11:58PM

BH023 10'

E402031-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Benzene	ND	0.0250	1	02/02/24	02/05/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/05/24	
Toluene	ND	0.0250	1	02/02/24	02/05/24	
o-Xylene	ND	0.0250	1	02/02/24	02/05/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/05/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405165
Diesel Range Organics (C10-C28)	ND	25.0	1	02/03/24	02/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/03/24	02/04/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*02/03/24*	*02/04/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406002
Chloride	**338**	20.0	1	02/04/24	02/05/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 2:11:58PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405151-BLK1)									Prepared: 02/02/24 Analyzed: 02/03/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.614*		*0.500*		*123*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: Toluene-d8	*0.552*		*0.500*		*110*	*70-130*			
LCS (2405151-BS1)									Prepared: 02/02/24 Analyzed: 02/03/24
Benzene	2.66	0.0250	2.50		106	70-130			
Ethylbenzene	2.94	0.0250	2.50		118	70-130			
Toluene	2.91	0.0250	2.50		116	70-130			
o-Xylene	2.90	0.0250	2.50		116	70-130			
p,m-Xylene	5.91	0.0500	5.00		118	70-130			
Total Xylenes	8.81	0.0250	7.50		117	70-130			
Surrogate: Bromofluorobenzene	*0.629*		*0.500*		*126*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.7*	*70-130*			
Surrogate: Toluene-d8	*0.578*		*0.500*		*116*	*70-130*			
Matrix Spike (2405151-MS1)				**Source: E402027-05**					Prepared: 02/02/24 Analyzed: 02/03/24
Benzene	2.63	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.74	0.0250	2.50	ND	110	45-135			
Toluene	2.67	0.0250	2.50	ND	107	48-130			
o-Xylene	2.80	0.0250	2.50	ND	112	43-135			
p,m-Xylene	5.63	0.0500	5.00	ND	113	43-135			
Total Xylenes	8.43	0.0250	7.50	ND	112	43-135			
Surrogate: Bromofluorobenzene	*0.626*		*0.500*		*125*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: Toluene-d8	*0.560*		*0.500*		*112*	*70-130*			
Matrix Spike Dup (2405151-MSD1)				**Source: E402027-05**					Prepared: 02/02/24 Analyzed: 02/05/24
Benzene	2.88	0.0250	2.50	ND	115	48-131	9.06	23	
Ethylbenzene	2.95	0.0250	2.50	ND	118	45-135	7.41	27	
Toluene	2.88	0.0250	2.50	ND	115	48-130	7.80	24	
o-Xylene	2.98	0.0250	2.50	ND	119	43-135	5.99	27	
p,m-Xylene	5.99	0.0500	5.00	ND	120	43-135	6.27	27	
Total Xylenes	8.97	0.0250	7.50	ND	120	43-135	6.18	27	
Surrogate: Bromofluorobenzene	*0.632*		*0.500*		*126*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.566*		*0.500*		*113*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 2:11:58PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405151-BLK1)									Prepared: 02/02/24 Analyzed: 02/03/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.614*		*0.500*		*123*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: Toluene-d8	*0.552*		*0.500*		*110*	*70-130*			
LCS (2405151-BS2)									Prepared: 02/02/24 Analyzed: 02/05/24
Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	*0.621*		*0.500*		*124*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.8*	*70-130*			
Surrogate: Toluene-d8	*0.566*		*0.500*		*113*	*70-130*			
Matrix Spike (2405151-MS2)				**Source: E402027-05**					Prepared: 02/02/24 Analyzed: 02/03/24
Gasoline Range Organics (C6-C10)	62.0	20.0	50.0	ND	124	70-130			
Surrogate: Bromofluorobenzene	*0.621*		*0.500*		*124*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.468*		*0.500*		*93.6*	*70-130*			
Surrogate: Toluene-d8	*0.562*		*0.500*		*112*	*70-130*			
Matrix Spike Dup (2405151-MSD2)				**Source: E402027-05**					Prepared: 02/02/24 Analyzed: 02/03/24
Gasoline Range Organics (C6-C10)	63.0	20.0	50.0	ND	126	70-130	1.73	20	
Surrogate: Bromofluorobenzene	*0.627*		*0.500*		*125*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.487*		*0.500*		*97.4*	*70-130*			
Surrogate: Toluene-d8	*0.570*		*0.500*		*114*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 2:11:58PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405165-BLK1)									Prepared: 02/03/24 Analyzed: 02/04/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.9*		*50.0*		*112*	*50-200*			
LCS (2405165-BS1)									Prepared: 02/03/24 Analyzed: 02/04/24
Diesel Range Organics (C10-C28)	279	25.0	250		111	38-132			
Surrogate: n-Nonane	*55.7*		*50.0*		*111*	*50-200*			
LCS Dup (2405165-BSD1)									Prepared: 02/03/24 Analyzed: 02/04/24
Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132	2.12	20	
Surrogate: n-Nonane	*54.4*		*50.0*		*109*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 2:11:58PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406023-BLK1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*50-200*			
LCS (2406023-BS1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	249	25.0	250		99.5	38-132			
Surrogate: n-Nonane	*53.3*		*50.0*		*107*	*50-200*			
LCS Dup (2406023-BSD1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	246	25.0	250		98.3	38-132	1.20	20	
Surrogate: n-Nonane	*54.3*		*50.0*		*109*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 2:11:58PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406002-BLK1)									Prepared: 02/04/24 Analyzed: 02/05/24
Chloride	ND	20.0							
LCS (2406002-BS1)									Prepared: 02/04/24 Analyzed: 02/05/24
Chloride	246	20.0	250		98.6	90-110			
LCS Dup (2406002-BSD1)									Prepared: 02/04/24 Analyzed: 02/05/24
Chloride	247	20.0	250		98.6	90-110	0.0560	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/07/24 14:11

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 2/3/2024 10:25:05AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/02/24 06:10	Work Order ID:	E402031
Phone:	(539) 573-4018	Date Logged In:	02/02/24 10:46	Logged In By:	Jessica Liesse
Email:	devon-team@ensolum.com	Due Date:	02/02/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E402030
Job Number:	01058-0007
Received:	2/2/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/7/24

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

Date Reported: 2/7/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E402030
Date Received: 2/2/2024 6:10:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/2/2024 6:10:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

BH024 0.5’ 5

BH024 4’ 6

BH024 10’ 7

QC Summary Data 8

QC - Volatile Organic Compounds by EPA 8260B 8

QC - Nonhalogenated Organics by EPA 8015D - GRO 9

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 10

QC - Anions by EPA 300.0/9056A 12

Definitions and Notes 13

Chain of Custody etc. 14

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/07/24 12:55

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH024 0.5'	E402030-01A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
BH024 4'	E402030-02A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
BH024 10'	E402030-03A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 12:55:18PM

BH024 0.5'

E402030-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406023
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406002
Chloride	**6150**	100	5	02/04/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 12:55:18PM

BH024 4'

E402030-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Benzene	ND	0.0250	1	02/02/24	02/05/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/05/24	
Toluene	ND	0.0250	1	02/02/24	02/05/24	
o-Xylene	ND	0.0250	1	02/02/24	02/05/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/05/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/05/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*02/02/24*	*02/05/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406023
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406002
Chloride	**756**	20.0	1	02/04/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 12:55:18PM

BH024 10'

E402030-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*123 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*123 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405165
Diesel Range Organics (C10-C28)	ND	25.0	1	02/03/24	02/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/03/24	02/04/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*02/03/24*	*02/04/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406002
Chloride	**283**	20.0	1	02/04/24	02/05/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 12:55:18PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405151-BLK1)									Prepared: 02/02/24 Analyzed: 02/03/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.614*		*0.500*		*123*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: Toluene-d8	*0.552*		*0.500*		*110*	*70-130*			
LCS (2405151-BS1)									Prepared: 02/02/24 Analyzed: 02/03/24
Benzene	2.66	0.0250	2.50		106	70-130			
Ethylbenzene	2.94	0.0250	2.50		118	70-130			
Toluene	2.91	0.0250	2.50		116	70-130			
o-Xylene	2.90	0.0250	2.50		116	70-130			
p,m-Xylene	5.91	0.0500	5.00		118	70-130			
Total Xylenes	8.81	0.0250	7.50		117	70-130			
Surrogate: Bromofluorobenzene	*0.629*		*0.500*		*126*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.7*	*70-130*			
Surrogate: Toluene-d8	*0.578*		*0.500*		*116*	*70-130*			
Matrix Spike (2405151-MS1)				**Source: E402027-05**					Prepared: 02/02/24 Analyzed: 02/03/24
Benzene	2.63	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.74	0.0250	2.50	ND	110	45-135			
Toluene	2.67	0.0250	2.50	ND	107	48-130			
o-Xylene	2.80	0.0250	2.50	ND	112	43-135			
p,m-Xylene	5.63	0.0500	5.00	ND	113	43-135			
Total Xylenes	8.43	0.0250	7.50	ND	112	43-135			
Surrogate: Bromofluorobenzene	*0.626*		*0.500*		*125*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: Toluene-d8	*0.560*		*0.500*		*112*	*70-130*			
Matrix Spike Dup (2405151-MSD1)				**Source: E402027-05**					Prepared: 02/02/24 Analyzed: 02/05/24
Benzene	2.88	0.0250	2.50	ND	115	48-131	9.06	23	
Ethylbenzene	2.95	0.0250	2.50	ND	118	45-135	7.41	27	
Toluene	2.88	0.0250	2.50	ND	115	48-130	7.80	24	
o-Xylene	2.98	0.0250	2.50	ND	119	43-135	5.99	27	
p,m-Xylene	5.99	0.0500	5.00	ND	120	43-135	6.27	27	
Total Xylenes	8.97	0.0250	7.50	ND	120	43-135	6.18	27	
Surrogate: Bromofluorobenzene	*0.632*		*0.500*		*126*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.566*		*0.500*		*113*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 12:55:18PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405151-BLK1)									Prepared: 02/02/24 Analyzed: 02/03/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.614*		*0.500*		*123*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: Toluene-d8	*0.552*		*0.500*		*110*	*70-130*			
LCS (2405151-BS2)									Prepared: 02/02/24 Analyzed: 02/05/24
Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	*0.621*		*0.500*		*124*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.8*	*70-130*			
Surrogate: Toluene-d8	*0.566*		*0.500*		*113*	*70-130*			
Matrix Spike (2405151-MS2)				**Source: E402027-05**					Prepared: 02/02/24 Analyzed: 02/03/24
Gasoline Range Organics (C6-C10)	62.0	20.0	50.0	ND	124	70-130			
Surrogate: Bromofluorobenzene	*0.621*		*0.500*		*124*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.468*		*0.500*		*93.6*	*70-130*			
Surrogate: Toluene-d8	*0.562*		*0.500*		*112*	*70-130*			
Matrix Spike Dup (2405151-MSD2)				**Source: E402027-05**					Prepared: 02/02/24 Analyzed: 02/03/24
Gasoline Range Organics (C6-C10)	63.0	20.0	50.0	ND	126	70-130	1.73	20	
Surrogate: Bromofluorobenzene	*0.627*		*0.500*		*125*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.487*		*0.500*		*97.4*	*70-130*			
Surrogate: Toluene-d8	*0.570*		*0.500*		*114*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 12:55:18PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405165-BLK1)									Prepared: 02/03/24 Analyzed: 02/04/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.9*		*50.0*		*112*	*50-200*			
LCS (2405165-BS1)									Prepared: 02/03/24 Analyzed: 02/04/24
Diesel Range Organics (C10-C28)	279	25.0	250		111	38-132			
Surrogate: n-Nonane	*55.7*		*50.0*		*111*	*50-200*			
LCS Dup (2405165-BSD1)									Prepared: 02/03/24 Analyzed: 02/04/24
Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132	2.12	20	
Surrogate: n-Nonane	*54.4*		*50.0*		*109*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 12:55:18PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406023-BLK1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*50-200*			
LCS (2406023-BS1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	249	25.0	250		99.5	38-132			
Surrogate: n-Nonane	*53.3*		*50.0*		*107*	*50-200*			
LCS Dup (2406023-BSD1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	246	25.0	250		98.3	38-132	1.20	20	
Surrogate: n-Nonane	*54.3*		*50.0*		*109*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 12:55:18PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406002-BLK1)									Prepared: 02/04/24 Analyzed: 02/05/24
Chloride	ND	20.0							
LCS (2406002-BS1)									Prepared: 02/04/24 Analyzed: 02/05/24
Chloride	246	20.0	250		98.6	90-110			
LCS Dup (2406002-BSD1)									Prepared: 02/04/24 Analyzed: 02/05/24
Chloride	247	20.0	250		98.6	90-110	0.0560	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/07/24 12:55

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 2/2/2024 10:43:57AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/02/24 06:10	Work Order ID:	E402030
Phone:	(539) 573-4018	Date Logged In:	02/02/24 10:33	Logged In By:	Jessica Liesse
Email:	devon-team@ensolum.com	Due Date:	02/02/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E402029
Job Number:	01058-0007
Received:	2/2/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/8/24

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

Date Reported: 2/8/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E402029
Date Received: 2/2/2024 6:10:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/2/2024 6:10:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH25 0.5’ 5
- BH25 4’ 6
- BH25 10’ 7
- BH25 15’ 8
- BH25 20’ 9
- BH25 24’ 10

QC Summary Data 11

- QC - Volatile Organics by EPA 8021B 11
- QC - Nonhalogenated Organics by EPA 8015D - GRO 12
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/08/24 13:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH25 0.5'	E402029-01A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
BH25 4'	E402029-02A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
BH25 10'	E402029-03A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
BH25 15'	E402029-04A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
BH25 20'	E402029-05A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
BH25 24'	E402029-06A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:27:38PM

BH25 0.5'

E402029-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.2 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406023
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405171
Chloride	**46.5**	20.0	1	02/03/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:27:38PM

BH25 4'

E402029-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.8 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406023
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405171
Chloride	**166**	20.0	1	02/03/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:27:38PM

BH25 10'

E402029-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406023
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405171
Chloride	**449**	40.0	2	02/03/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:27:38PM

BH25 15'

E402029-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.9 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406023
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405171
Chloride	**116**	20.0	1	02/03/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:27:38PM

BH25 20'

E402029-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406023
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405171
Chloride	**136**	20.0	1	02/03/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:27:38PM

BH25 24'

E402029-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2405157
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405165
Diesel Range Organics (C10-C28)	ND	25.0	1	02/03/24	02/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/03/24	02/04/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*02/03/24*	*02/04/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2405171
Chloride	**49.5**	20.0	1	02/03/24	02/05/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:27:38PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405157-BLK1)									Prepared: 02/02/24 Analyzed: 02/04/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.62*		*8.00*		*95.2*	*70-130*			
LCS (2405157-BS1)									Prepared: 02/02/24 Analyzed: 02/04/24
Benzene	5.13	0.0250	5.00		103	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	5.05	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.62*		*8.00*		*95.3*	*70-130*			
Matrix Spike (2405157-MS1)				**Source: E402035-05**					Prepared: 02/02/24 Analyzed: 02/04/24
Benzene	5.24	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.20	0.0250	5.00	ND	104	61-133			
Toluene	5.22	0.0250	5.00	ND	104	61-130			
o-Xylene	5.15	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.55*		*8.00*		*94.4*	*70-130*			
Matrix Spike Dup (2405157-MSD1)				**Source: E402035-05**					Prepared: 02/02/24 Analyzed: 02/04/24
Benzene	5.03	0.0250	5.00	ND	101	54-133	4.15	20	
Ethylbenzene	5.02	0.0250	5.00	ND	100	61-133	3.66	20	
Toluene	5.01	0.0250	5.00	ND	100	61-130	3.98	20	
o-Xylene	4.96	0.0250	5.00	ND	99.3	63-131	3.73	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	3.95	20	
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131	3.88	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*95.0*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:27:38PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405157-BLK1)									Prepared: 02/02/24 Analyzed: 02/04/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.64*		*8.00*		*95.5*	*70-130*			
LCS (2405157-BS2)									Prepared: 02/02/24 Analyzed: 02/04/24
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2405157-MS2)				**Source: E402035-05**					Prepared: 02/02/24 Analyzed: 02/04/24
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.69*		*8.00*		*96.1*	*70-130*			
Matrix Spike Dup (2405157-MSD2)				**Source: E402035-05**					Prepared: 02/02/24 Analyzed: 02/04/24
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.6	70-130	1.81	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.9*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:27:38PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405165-BLK1)									Prepared: 02/03/24 Analyzed: 02/04/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.9*		*50.0*		*112*	*50-200*			
LCS (2405165-BS1)									Prepared: 02/03/24 Analyzed: 02/04/24
Diesel Range Organics (C10-C28)	279	25.0	250		111	38-132			
Surrogate: n-Nonane	*55.7*		*50.0*		*111*	*50-200*			
LCS Dup (2405165-BSD1)									Prepared: 02/03/24 Analyzed: 02/04/24
Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132	2.12	20	
Surrogate: n-Nonane	*54.4*		*50.0*		*109*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:27:38PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406023-BLK1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*50-200*			
LCS (2406023-BS1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	249	25.0	250		99.5	38-132			
Surrogate: n-Nonane	*53.3*		*50.0*		*107*	*50-200*			
LCS Dup (2406023-BSD1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	246	25.0	250		98.3	38-132	1.20	20	
Surrogate: n-Nonane	*54.3*		*50.0*		*109*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/8/2024 1:27:38PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405171-BLK1)									Prepared: 02/03/24 Analyzed: 02/05/24
Chloride	ND	20.0							
LCS (2405171-BS1)									Prepared: 02/03/24 Analyzed: 02/05/24
Chloride	244	20.0	250		97.7	90-110			
LCS Dup (2405171-BSD1)									Prepared: 02/03/24 Analyzed: 02/05/24
Chloride	243	20.0	250		97.3	90-110	0.436	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/08/24 13:27

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

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

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

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: WPX Energy Permian, LLC	**Bill To**	Lab Use Only	TAT / EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E402029	Job Number 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		1D 2D 3D Standard: 5 Day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		CWA SDWA RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM CO UT AZ TX
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WBS/WO: 21196155		
Collected by: Gilbert Moreno	Incident ID: nAB161956595		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM		GDOC TX		Remarks
8:50	1.31.24	S	1	BH25	1	0.5'								X				
9:00	1.31.24	S	1	BH25	2	4'								X				
9:10	1.31.24	S	1	BH25	3	10'								X				
9:20	1.31.24	S	1	BH25	4	15'								X				
9:30	1.31.24	S	1	BH25	5	20'								X				
9:40	1.31.24	S	1	BH25	6	24'								X				1-day Rush

Additional Instructions:

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

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

	Date	Time		Date	Time
Relinquished by: (Signature)	2/1/24	10:24	Received by: (Signature)	2-1-24	1024
Relinquished by: (Signature)	2-1-24	1630	Received by: (Signature)	2/1/24	
Relinquished by: (Signature)	2/1/24	2348	Received by: (Signature)	02224	0610

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

envirotech

Envirotech Analytical Laboratory

Printed: 2/2/2024 10:30:48AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	02/02/24 06:10	Work Order ID:	E402029
Phone:	(539) 573-4018	Date Logged In:	02/02/24 10:24	Logged In By:	Jessica Liesse
Email:	devon-team@ensolum.com	Due Date:	02/02/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	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 filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E402028
Job Number:	01058-0007
Received:	2/2/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/7/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/7/24

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: Barbados State #001 SWD
Workorder: E402028
Date Received: 2/2/2024 6:10:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/2/2024 6:10:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

BH26 0.5’ 5

BH26 4’ 6

BH26 10’ 7

BH26 15’ 8

BH26 20’ 9

BH26 24’ 10

QC Summary Data 11

QC - Volatile Organic Compounds by EPA 8260B 11

QC - Nonhalogenated Organics by EPA 8015D - GRO 12

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13

QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/07/24 12:57

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH26 0.5'	E402028-01A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
BH26 4'	E402028-02A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
BH26 10'	E402028-03A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
BH26 15'	E402028-04A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
BH26 20'	E402028-05A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
BH26 24'	E402028-06A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 12:57:01PM

BH26 0.5'

E402028-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406023
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406002
Chloride	ND	20.0	1	02/04/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 12:57:01PM

BH26 4'

E402028-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406023
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406002
Chloride	**45.6**	20.0	1	02/04/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 12:57:01PM

BH26 10'

E402028-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*124 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*124 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406023
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406002
Chloride	**131**	20.0	1	02/04/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 12:57:01PM

BH26 15'

E402028-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406023
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406002
Chloride	**61.1**	20.0	1	02/04/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 12:57:01PM

BH26 20'

E402028-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.2 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.2 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406023
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/24	02/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/24	02/05/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*02/05/24*	*02/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406002
Chloride	**73.7**	20.0	1	02/04/24	02/05/24	

Sample Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 12:57:01PM

BH26 24'

E402028-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*122 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2405151
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		*122 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*02/02/24*	*02/04/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*02/02/24*	*02/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2405165
Diesel Range Organics (C10-C28)	ND	25.0	1	02/03/24	02/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/03/24	02/04/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*02/03/24*	*02/04/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406002
Chloride	**45.9**	20.0	1	02/04/24	02/05/24	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 12:57:01PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405151-BLK1)									Prepared: 02/02/24 Analyzed: 02/03/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.614*		*0.500*		*123*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: Toluene-d8	*0.552*		*0.500*		*110*	*70-130*			
LCS (2405151-BS1)									Prepared: 02/02/24 Analyzed: 02/03/24
Benzene	2.66	0.0250	2.50		106	70-130			
Ethylbenzene	2.94	0.0250	2.50		118	70-130			
Toluene	2.91	0.0250	2.50		116	70-130			
o-Xylene	2.90	0.0250	2.50		116	70-130			
p,m-Xylene	5.91	0.0500	5.00		118	70-130			
Total Xylenes	8.81	0.0250	7.50		117	70-130			
Surrogate: Bromofluorobenzene	*0.629*		*0.500*		*126*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.7*	*70-130*			
Surrogate: Toluene-d8	*0.578*		*0.500*		*116*	*70-130*			
Matrix Spike (2405151-MS1)				**Source: E402027-05**					Prepared: 02/02/24 Analyzed: 02/03/24
Benzene	2.63	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.74	0.0250	2.50	ND	110	45-135			
Toluene	2.67	0.0250	2.50	ND	107	48-130			
o-Xylene	2.80	0.0250	2.50	ND	112	43-135			
p,m-Xylene	5.63	0.0500	5.00	ND	113	43-135			
Total Xylenes	8.43	0.0250	7.50	ND	112	43-135			
Surrogate: Bromofluorobenzene	*0.626*		*0.500*		*125*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: Toluene-d8	*0.560*		*0.500*		*112*	*70-130*			
Matrix Spike Dup (2405151-MSD1)				**Source: E402027-05**					Prepared: 02/02/24 Analyzed: 02/05/24
Benzene	2.88	0.0250	2.50	ND	115	48-131	9.06	23	
Ethylbenzene	2.95	0.0250	2.50	ND	118	45-135	7.41	27	
Toluene	2.88	0.0250	2.50	ND	115	48-130	7.80	24	
o-Xylene	2.98	0.0250	2.50	ND	119	43-135	5.99	27	
p,m-Xylene	5.99	0.0500	5.00	ND	120	43-135	6.27	27	
Total Xylenes	8.97	0.0250	7.50	ND	120	43-135	6.18	27	
Surrogate: Bromofluorobenzene	*0.632*		*0.500*		*126*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.566*		*0.500*		*113*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 12:57:01PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405151-BLK1)									Prepared: 02/02/24 Analyzed: 02/03/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.614*		*0.500*		*123*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: Toluene-d8	*0.552*		*0.500*		*110*	*70-130*			
LCS (2405151-BS2)									Prepared: 02/02/24 Analyzed: 02/05/24
Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	*0.621*		*0.500*		*124*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.8*	*70-130*			
Surrogate: Toluene-d8	*0.566*		*0.500*		*113*	*70-130*			
Matrix Spike (2405151-MS2)				**Source: E402027-05**					Prepared: 02/02/24 Analyzed: 02/03/24
Gasoline Range Organics (C6-C10)	62.0	20.0	50.0	ND	124	70-130			
Surrogate: Bromofluorobenzene	*0.621*		*0.500*		*124*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.468*		*0.500*		*93.6*	*70-130*			
Surrogate: Toluene-d8	*0.562*		*0.500*		*112*	*70-130*			
Matrix Spike Dup (2405151-MSD2)				**Source: E402027-05**					Prepared: 02/02/24 Analyzed: 02/03/24
Gasoline Range Organics (C6-C10)	63.0	20.0	50.0	ND	126	70-130	1.73	20	
Surrogate: Bromofluorobenzene	*0.627*		*0.500*		*125*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.487*		*0.500*		*97.4*	*70-130*			
Surrogate: Toluene-d8	*0.570*		*0.500*		*114*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 12:57:01PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405165-BLK1)									Prepared: 02/03/24 Analyzed: 02/04/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.9*		*50.0*		*112*	*50-200*			
LCS (2405165-BS1)									Prepared: 02/03/24 Analyzed: 02/04/24
Diesel Range Organics (C10-C28)	279	25.0	250		111	38-132			
Surrogate: n-Nonane	*55.7*		*50.0*		*111*	*50-200*			
LCS Dup (2405165-BSD1)									Prepared: 02/03/24 Analyzed: 02/04/24
Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132	2.12	20	
Surrogate: n-Nonane	*54.4*		*50.0*		*109*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 12:57:01PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406023-BLK1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*50-200*			
LCS (2406023-BS1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	249	25.0	250		99.5	38-132			
Surrogate: n-Nonane	*53.3*		*50.0*		*107*	*50-200*			
LCS Dup (2406023-BSD1)									Prepared: 02/05/24 Analyzed: 02/05/24
Diesel Range Organics (C10-C28)	246	25.0	250		98.3	38-132	1.20	20	
Surrogate: n-Nonane	*54.3*		*50.0*		*109*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	2/7/2024 12:57:01PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406002-BLK1)									Prepared: 02/04/24 Analyzed: 02/05/24
Chloride	ND	20.0							
LCS (2406002-BS1)									Prepared: 02/04/24 Analyzed: 02/05/24
Chloride	246	20.0	250		98.6	90-110			
LCS Dup (2406002-BSD1)									Prepared: 02/04/24 Analyzed: 02/05/24
Chloride	247	20.0	250		98.6	90-110	0.0560	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	02/07/24 12:57

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 2/2/2024 10:20:57AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	02/02/24 06:10	Work Order ID:	E402028
Phone:	(539) 573-4018	Date Logged In:	02/02/24 09:48	Logged In By:	Jessica Liesse
Email:	devon-team@ensolum.com	Due Date:	02/02/24 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	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 filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition. Date

envirotech Inc.

Report to:

Anna Byers






5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E409081
Job Number:	01058-0007
Received:	9/11/2024

Revision: 3

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/25/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/25/24

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E409081
Date Received: 9/11/2024 6:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/11/2024 6:00:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH27 - 0.5’ 5
- BH27 - 4’ 6
- BH27 - 10’ 7
- BH27 - 15’ 8
- BH27 - 20’ 9
- BH27 - 25’ 10
- BH27 - 29’ 11

QC Summary Data 12

- QC - Volatile Organics by EPA 8021B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	09/25/24 10:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH27 - 0.5'	E409081-01A	Soil	09/09/24	09/11/24	Glass Jar, 2 oz.
BH27 - 4'	E409081-02A	Soil	09/09/24	09/11/24	Glass Jar, 2 oz.
BH27 - 10'	E409081-03A	Soil	09/09/24	09/11/24	Glass Jar, 2 oz.
BH27 - 15'	E409081-04A	Soil	09/09/24	09/11/24	Glass Jar, 2 oz.
BH27 - 20'	E409081-05A	Soil	09/09/24	09/11/24	Glass Jar, 2 oz.
BH27 - 25'	E409081-06A	Soil	09/09/24	09/11/24	Glass Jar, 2 oz.
BH27 - 29'	E409081-07A	Soil	09/09/24	09/11/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:58:13AM

BH27 - 0.5'

E409081-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437053
Benzene	ND	0.0250	1	09/11/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/11/24	09/11/24	
Toluene	ND	0.0250	1	09/11/24	09/11/24	
o-Xylene	ND	0.0250	1	09/11/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/11/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/11/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.0 %*	*70-130*	*09/11/24*	*09/11/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437053
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*09/11/24*	*09/11/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/24	09/12/24	
Surrogate: n-Nonane		*76.6 %*	*50-200*	*09/11/24*	*09/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437058
Chloride	**25.0**	20.0	1	09/11/24	09/11/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:58:13AM

BH27 - 4'

E409081-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437053
Benzene	ND	0.0250	1	09/11/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/11/24	09/11/24	
Toluene	ND	0.0250	1	09/11/24	09/11/24	
o-Xylene	ND	0.0250	1	09/11/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/11/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/11/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.8 %*	*70-130*	*09/11/24*	*09/11/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437053
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*09/11/24*	*09/11/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/24	09/12/24	
Surrogate: n-Nonane		*78.4 %*	*50-200*	*09/11/24*	*09/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437058
Chloride	ND	100	5	09/11/24	09/11/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:58:13AM

BH27 - 10'

E409081-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437053
Benzene	ND	0.0250	1	09/11/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/11/24	09/11/24	
Toluene	ND	0.0250	1	09/11/24	09/11/24	
o-Xylene	ND	0.0250	1	09/11/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/11/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/11/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.4 %*	*70-130*	*09/11/24*	*09/11/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437053
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*09/11/24*	*09/11/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/24	09/12/24	
Surrogate: n-Nonane		*82.8 %*	*50-200*	*09/11/24*	*09/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437058
Chloride	ND	200	10	09/11/24	09/11/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:58:13AM

BH27 - 15'

E409081-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437053
Benzene	ND	0.0250	1	09/11/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/11/24	09/11/24	
Toluene	ND	0.0250	1	09/11/24	09/11/24	
o-Xylene	ND	0.0250	1	09/11/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/11/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/11/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*09/11/24*	*09/11/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437053
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*09/11/24*	*09/11/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/24	09/12/24	
Surrogate: n-Nonane		*76.5 %*	*50-200*	*09/11/24*	*09/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437058
Chloride	ND	200	10	09/11/24	09/11/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:58:13AM

BH27 - 20'

E409081-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437053
Benzene	ND	0.0250	1	09/11/24	09/12/24	
Ethylbenzene	ND	0.0250	1	09/11/24	09/12/24	
Toluene	ND	0.0250	1	09/11/24	09/12/24	
o-Xylene	ND	0.0250	1	09/11/24	09/12/24	
p,m-Xylene	ND	0.0500	1	09/11/24	09/12/24	
Total Xylenes	ND	0.0250	1	09/11/24	09/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.1 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437053
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/24	09/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/24	09/12/24	
Surrogate: n-Nonane		*81.7 %*	*50-200*	*09/11/24*	*09/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437058
Chloride	ND	200	10	09/11/24	09/11/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:58:13AM

BH27 - 25'

E409081-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437053
Benzene	ND	0.0250	1	09/11/24	09/12/24	
Ethylbenzene	ND	0.0250	1	09/11/24	09/12/24	
Toluene	ND	0.0250	1	09/11/24	09/12/24	
o-Xylene	ND	0.0250	1	09/11/24	09/12/24	
p,m-Xylene	ND	0.0500	1	09/11/24	09/12/24	
Total Xylenes	ND	0.0250	1	09/11/24	09/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.3 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437053
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/24	09/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/24	09/12/24	
Surrogate: n-Nonane		*81.3 %*	*50-200*	*09/11/24*	*09/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437058
Chloride	ND	200	10	09/11/24	09/11/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:58:13AM

BH27 - 29'

E409081-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437053
Benzene	ND	0.0250	1	09/11/24	09/12/24	
Ethylbenzene	ND	0.0250	1	09/11/24	09/12/24	
Toluene	ND	0.0250	1	09/11/24	09/12/24	
o-Xylene	ND	0.0250	1	09/11/24	09/12/24	
p,m-Xylene	ND	0.0500	1	09/11/24	09/12/24	
Total Xylenes	ND	0.0250	1	09/11/24	09/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437053
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/24	09/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/24	09/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/24	09/13/24	
Surrogate: n-Nonane		*78.4 %*	*50-200*	*09/11/24*	*09/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437058
Chloride	ND	200	10	09/11/24	09/11/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:58:13AM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437053-BLK1)									Prepared: 09/11/24 Analyzed: 09/11/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.10*		*8.00*		*88.8*	*70-130*			
LCS (2437053-BS1)									Prepared: 09/11/24 Analyzed: 09/11/24
Benzene	4.50	0.0250	5.00		89.9	70-130			
Ethylbenzene	4.28	0.0250	5.00		85.6	70-130			
Toluene	4.40	0.0250	5.00		87.9	70-130			
o-Xylene	4.26	0.0250	5.00		85.2	70-130			
p,m-Xylene	8.71	0.0500	10.0		87.1	70-130			
Total Xylenes	13.0	0.0250	15.0		86.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.18*		*8.00*		*89.8*	*70-130*			
Matrix Spike (2437053-MS1)				**Source: E409081-01**					Prepared: 09/11/24 Analyzed: 09/11/24
Benzene	4.39	0.0250	5.00	ND	87.7	54-133			
Ethylbenzene	4.18	0.0250	5.00	ND	83.5	61-133			
Toluene	4.29	0.0250	5.00	ND	85.8	61-130			
o-Xylene	4.16	0.0250	5.00	ND	83.2	63-131			
p,m-Xylene	8.50	0.0500	10.0	ND	85.0	63-131			
Total Xylenes	12.7	0.0250	15.0	ND	84.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.23*		*8.00*		*90.4*	*70-130*			
Matrix Spike Dup (2437053-MSD1)				**Source: E409081-01**					Prepared: 09/11/24 Analyzed: 09/11/24
Benzene	4.56	0.0250	5.00	ND	91.2	54-133	3.87	20	
Ethylbenzene	4.37	0.0250	5.00	ND	87.3	61-133	4.44	20	
Toluene	4.47	0.0250	5.00	ND	89.4	61-130	4.07	20	
o-Xylene	4.35	0.0250	5.00	ND	87.1	63-131	4.58	20	
p,m-Xylene	8.89	0.0500	10.0	ND	88.9	63-131	4.53	20	
Total Xylenes	13.2	0.0250	15.0	ND	88.3	63-131	4.55	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.20*		*8.00*		*89.9*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:58:13AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437053-BLK1)									Prepared: 09/11/24 Analyzed: 09/11/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.76*		*8.00*		*97.0*	*70-130*			
LCS (2437053-BS2)									Prepared: 09/11/24 Analyzed: 09/11/24
Gasoline Range Organics (C6-C10)	40.6	20.0	50.0		81.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.2*	*70-130*			
Matrix Spike (2437053-MS2)				**Source: E409081-01**					Prepared: 09/11/24 Analyzed: 09/11/24
Gasoline Range Organics (C6-C10)	43.4	20.0	50.0	ND	86.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike Dup (2437053-MSD2)				**Source: E409081-01**					Prepared: 09/11/24 Analyzed: 09/11/24
Gasoline Range Organics (C6-C10)	44.2	20.0	50.0	ND	88.3	70-130	1.74	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.91*		*8.00*		*98.9*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:58:13AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437049-BLK1)									Prepared: 09/11/24 Analyzed: 09/12/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*42.2*		*50.0*		*84.5*	*50-200*			
LCS (2437049-BS1)									Prepared: 09/11/24 Analyzed: 09/12/24
Diesel Range Organics (C10-C28)	198	25.0	250		79.3	38-132			
Surrogate: n-Nonane	*41.3*		*50.0*		*82.6*	*50-200*			
Matrix Spike (2437049-MS1)				**Source: E409065-03**					Prepared: 09/11/24 Analyzed: 09/12/24
Diesel Range Organics (C10-C28)	198	25.0	250	ND	79.1	38-132			
Surrogate: n-Nonane	*41.2*		*50.0*		*82.4*	*50-200*			
Matrix Spike Dup (2437049-MSD1)				**Source: E409065-03**					Prepared: 09/11/24 Analyzed: 09/12/24
Diesel Range Organics (C10-C28)	191	25.0	250	ND	76.4	38-132	3.43	20	
Surrogate: n-Nonane	*43.3*		*50.0*		*86.6*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:58:13AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437058-BLK1)									Prepared: 09/11/24 Analyzed: 09/11/24
Chloride	ND	20.0							
LCS (2437058-BS1)									Prepared: 09/11/24 Analyzed: 09/11/24
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2437058-MS1)				**Source: E409080-02**					Prepared: 09/11/24 Analyzed: 09/11/24
Chloride	303	200	250	ND	121	80-120			M6
Matrix Spike Dup (2437058-MSD1)				**Source: E409080-02**					Prepared: 09/11/24 Analyzed: 09/11/24
Chloride	303	200	250	ND	121	80-120	0.0561	20	M6

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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	09/25/24 10:58

M6	Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS recoveries.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

roject Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 9/11/2024 9:36:19AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	09/11/24 06:00	Work Order ID:	E409081
Phone:	(575) 748-0176	Date Logged In:	09/10/24 15:59	Logged In By:	Noe Soto
Email:	anna@ensolum.com	Due Date:	09/17/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	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 filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Report to:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E409080
Job Number:	01058-0007
Received:	9/11/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/25/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/25/24

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E409080
Date Received: 9/11/2024 6:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/11/2024 6:00:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Cell: 775-287-1762
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH28 0.5’ 5
- BH28 4’ 6
- BH28 10’ 7
- BH28 15’ 8
- BH28 20’ 9
- BH28 25’ 10
- BH28 29’ 11

QC Summary Data 12

- QC - Volatile Organics by EPA 8021B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	09/25/24 10:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH28 0.5'	E409080-01A	Soil	09/09/24	09/11/24	Glass Jar, 2 oz.
BH28 4'	E409080-02A	Soil	09/09/24	09/11/24	Glass Jar, 2 oz.
BH28 10'	E409080-03A	Soil	09/09/24	09/11/24	Glass Jar, 2 oz.
BH28 15'	E409080-04A	Soil	09/09/24	09/11/24	Glass Jar, 2 oz.
BH28 20'	E409080-05A	Soil	09/09/24	09/11/24	Glass Jar, 2 oz.
BH28 25'	E409080-06A	Soil	09/09/24	09/11/24	Glass Jar, 2 oz.
BH28 29'	E409080-07A	Soil	09/09/24	09/11/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:52:47AM

BH28 0.5'

E409080-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437052
Benzene	ND	0.0250	1	09/11/24	09/12/24	
Ethylbenzene	ND	0.0250	1	09/11/24	09/12/24	
Toluene	ND	0.0250	1	09/11/24	09/12/24	
o-Xylene	ND	0.0250	1	09/11/24	09/12/24	
p,m-Xylene	ND	0.0500	1	09/11/24	09/12/24	
Total Xylenes	ND	0.0250	1	09/11/24	09/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.9 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437052
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/24	09/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437050
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/24	09/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/24	09/13/24	
Surrogate: n-Nonane		*86.1 %*	*50-200*	*09/11/24*	*09/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437058
Chloride	ND	20.0	1	09/11/24	09/11/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:52:47AM

BH28 4'

E409080-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437052
Benzene	ND	0.0250	1	09/11/24	09/12/24	
Ethylbenzene	ND	0.0250	1	09/11/24	09/12/24	
Toluene	ND	0.0250	1	09/11/24	09/12/24	
o-Xylene	ND	0.0250	1	09/11/24	09/12/24	
p,m-Xylene	ND	0.0500	1	09/11/24	09/12/24	
Total Xylenes	ND	0.0250	1	09/11/24	09/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.1 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437052
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/24	09/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437050
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/24	09/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/24	09/13/24	
Surrogate: n-Nonane		*75.0 %*	*50-200*	*09/11/24*	*09/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437058
Chloride	ND	200	10	09/11/24	09/11/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:52:47AM

BH28 10'

E409080-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437052
Benzene	ND	0.0250	1	09/11/24	09/12/24	
Ethylbenzene	ND	0.0250	1	09/11/24	09/12/24	
Toluene	ND	0.0250	1	09/11/24	09/12/24	
o-Xylene	ND	0.0250	1	09/11/24	09/12/24	
p,m-Xylene	ND	0.0500	1	09/11/24	09/12/24	
Total Xylenes	ND	0.0250	1	09/11/24	09/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.0 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437052
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/24	09/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437050
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/24	09/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/24	09/13/24	
Surrogate: n-Nonane		*82.9 %*	*50-200*	*09/11/24*	*09/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437058
Chloride	ND	200	10	09/11/24	09/11/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:52:47AM

BH28 15'

E409080-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437052
Benzene	ND	0.0250	1	09/11/24	09/12/24	
Ethylbenzene	ND	0.0250	1	09/11/24	09/12/24	
Toluene	ND	0.0250	1	09/11/24	09/12/24	
o-Xylene	ND	0.0250	1	09/11/24	09/12/24	
p,m-Xylene	ND	0.0500	1	09/11/24	09/12/24	
Total Xylenes	ND	0.0250	1	09/11/24	09/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.4 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437052
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/24	09/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437050
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/24	09/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/24	09/13/24	
Surrogate: n-Nonane		*79.0 %*	*50-200*	*09/11/24*	*09/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437058
Chloride	ND	200	10	09/11/24	09/11/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:52:47AM

BH28 20'

E409080-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437052
Benzene	ND	0.0250	1	09/11/24	09/12/24	
Ethylbenzene	ND	0.0250	1	09/11/24	09/12/24	
Toluene	ND	0.0250	1	09/11/24	09/12/24	
o-Xylene	ND	0.0250	1	09/11/24	09/12/24	
p,m-Xylene	ND	0.0500	1	09/11/24	09/12/24	
Total Xylenes	ND	0.0250	1	09/11/24	09/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.9 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437052
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/24	09/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437050
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/24	09/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/24	09/13/24	
Surrogate: n-Nonane		*84.8 %*	*50-200*	*09/11/24*	*09/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437058
Chloride	ND	200	10	09/11/24	09/11/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:52:47AM

BH28 25'

E409080-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437052
Benzene	ND	0.0250	1	09/11/24	09/12/24	
Ethylbenzene	ND	0.0250	1	09/11/24	09/12/24	
Toluene	ND	0.0250	1	09/11/24	09/12/24	
o-Xylene	ND	0.0250	1	09/11/24	09/12/24	
p,m-Xylene	ND	0.0500	1	09/11/24	09/12/24	
Total Xylenes	ND	0.0250	1	09/11/24	09/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.6 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437052
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/24	09/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.4 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437050
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/24	09/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/24	09/13/24	
Surrogate: n-Nonane		*81.3 %*	*50-200*	*09/11/24*	*09/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437058
Chloride	ND	200	10	09/11/24	09/11/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:52:47AM

BH28 29'

E409080-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437052
Benzene	ND	0.0250	1	09/11/24	09/12/24	
Ethylbenzene	ND	0.0250	1	09/11/24	09/12/24	
Toluene	ND	0.0250	1	09/11/24	09/12/24	
o-Xylene	ND	0.0250	1	09/11/24	09/12/24	
p,m-Xylene	ND	0.0500	1	09/11/24	09/12/24	
Total Xylenes	ND	0.0250	1	09/11/24	09/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.6 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437052
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/24	09/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*09/11/24*	*09/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437050
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/24	09/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/24	09/13/24	
Surrogate: n-Nonane		*82.5 %*	*50-200*	*09/11/24*	*09/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437058
Chloride	ND	200	10	09/11/24	09/11/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:52:47AM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437052-BLK1)									Prepared: 09/11/24 Analyzed: 09/12/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.99*		*8.00*		*87.3*	*70-130*			
LCS (2437052-BS1)									Prepared: 09/11/24 Analyzed: 09/12/24
Benzene	5.35	0.0250	5.00		107	70-130			
Ethylbenzene	5.13	0.0250	5.00		103	70-130			
Toluene	5.25	0.0250	5.00		105	70-130			
o-Xylene	5.11	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.05*		*8.00*		*88.1*	*70-130*			
Matrix Spike (2437052-MS1)				**Source: E409079-01**					Prepared: 09/11/24 Analyzed: 09/12/24
Benzene	5.03	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	61-133			
Toluene	4.93	0.0250	5.00	ND	98.6	61-130			
o-Xylene	4.77	0.0250	5.00	ND	95.4	63-131			
p,m-Xylene	9.74	0.0500	10.0	ND	97.4	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.10*		*8.00*		*88.8*	*70-130*			
Matrix Spike Dup (2437052-MSD1)				**Source: E409079-01**					Prepared: 09/11/24 Analyzed: 09/12/24
Benzene	5.12	0.0250	5.00	ND	102	54-133	1.65	20	
Ethylbenzene	4.86	0.0250	5.00	ND	97.2	61-133	1.16	20	
Toluene	4.99	0.0250	5.00	ND	99.8	61-130	1.20	20	
o-Xylene	4.84	0.0250	5.00	ND	96.8	63-131	1.52	20	
p,m-Xylene	9.86	0.0500	10.0	ND	98.6	63-131	1.19	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.0	63-131	1.30	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.09*		*8.00*		*88.6*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:52:47AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437052-BLK1)									Prepared: 09/11/24 Analyzed: 09/12/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.84*		*8.00*		*98.0*	*70-130*			
LCS (2437052-BS2)									Prepared: 09/11/24 Analyzed: 09/12/24
Gasoline Range Organics (C6-C10)	42.3	20.0	50.0		84.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.90*		*8.00*		*98.7*	*70-130*			
Matrix Spike (2437052-MS2)				**Source: E409079-01**					Prepared: 09/11/24 Analyzed: 09/12/24
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0	ND	83.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.90*		*8.00*		*98.8*	*70-130*			
Matrix Spike Dup (2437052-MSD2)				**Source: E409079-01**					Prepared: 09/11/24 Analyzed: 09/12/24
Gasoline Range Organics (C6-C10)	44.2	20.0	50.0	ND	88.3	70-130	5.08	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.6*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:52:47AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437050-BLK1)									Prepared: 09/11/24 Analyzed: 09/13/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.1*		*50.0*		*100*	*50-200*			
LCS (2437050-BS1)									Prepared: 09/11/24 Analyzed: 09/13/24
Diesel Range Organics (C10-C28)	208	25.0	250		83.3	38-132			
Surrogate: n-Nonane	*46.9*		*50.0*		*93.8*	*50-200*			
Matrix Spike (2437050-MS1)				**Source: E409079-01**					Prepared: 09/11/24 Analyzed: 09/13/24
Diesel Range Organics (C10-C28)	211	25.0	250	ND	84.3	38-132			
Surrogate: n-Nonane	*47.1*		*50.0*		*94.3*	*50-200*			
Matrix Spike Dup (2437050-MSD1)				**Source: E409079-01**					Prepared: 09/11/24 Analyzed: 09/13/24
Diesel Range Organics (C10-C28)	214	25.0	250	ND	85.8	38-132	1.79	20	
Surrogate: n-Nonane	*46.6*		*50.0*		*93.2*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:52:47AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437058-BLK1)									Prepared: 09/11/24 Analyzed: 09/11/24
Chloride	ND	20.0							
LCS (2437058-BS1)									Prepared: 09/11/24 Analyzed: 09/11/24
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2437058-MS1)				**Source: E409080-02**					Prepared: 09/11/24 Analyzed: 09/11/24
Chloride	303	200	250	ND	121	80-120			M6
Matrix Spike Dup (2437058-MSD1)				**Source: E409080-02**					Prepared: 09/11/24 Analyzed: 09/11/24
Chloride	303	200	250	ND	121	80-120	0.0561	20	M6

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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	09/25/24 10:52

M6	Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS recoveries.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

roject Information | Chain of Custody | Page __1__ of __1__

| | | |

Envirotech Analytical Laboratory

Printed: 9/11/2024 9:33:35AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	09/11/24 06:00	Work Order ID:	E409080
Phone:	(575) 748-0176	Date Logged In:	09/10/24 15:55	Logged In By:	Raina Schwanz
Email:	anna@ensolum.com	Due Date:	09/17/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Report to:

Anna Byers



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E409098
Job Number:	01058-0007
Received:	9/13/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/13/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/13/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E409098
Date Received: 9/13/2024 7:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/13/2024 7:45:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH29 0.5’ 5
- BH29 4’ 6
- BH29 10’ 7
- BH29 15’ 8
- BH29 20’ 9
- BH29 25’ 10
- BH29 29’ 11

QC Summary Data 12

- QC - Volatile Organic Compounds by EPA 8260B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	02/13/25 09:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH29 0.5'	E409098-01A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH29 4'	E409098-02A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH29 10'	E409098-03A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH29 15'	E409098-04A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH29 20'	E409098-05A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH29 25'	E409098-06A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH29 29'	E409098-07A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:28:17AM

BH29 0.5'

E409098-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437079
Benzene	ND	0.0250	1	09/13/24	09/16/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/16/24	
Toluene	ND	0.0250	1	09/13/24	09/16/24	
o-Xylene	ND	0.0250	1	09/13/24	09/16/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/16/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437079
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437088
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/13/24	
Surrogate: n-Nonane		*72.3 %*	*50-200*	*09/13/24*	*09/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437096
Chloride	**46.6**	20.0	1	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:28:17AM

BH29 4'

E409098-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437079
Benzene	ND	0.0250	1	09/13/24	09/16/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/16/24	
Toluene	ND	0.0250	1	09/13/24	09/16/24	
o-Xylene	ND	0.0250	1	09/13/24	09/16/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/16/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.7 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437079
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.7 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437088
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/13/24	
Surrogate: n-Nonane		*74.3 %*	*50-200*	*09/13/24*	*09/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437096
Chloride	**170**	20.0	1	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:28:17AM

BH29 10'

E409098-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437079
Benzene	ND	0.0250	1	09/13/24	09/16/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/16/24	
Toluene	ND	0.0250	1	09/13/24	09/16/24	
o-Xylene	ND	0.0250	1	09/13/24	09/16/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/16/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437079
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437088
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*77.3 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437096
Chloride	ND	200	10	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:28:17AM

BH29 15'

E409098-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437079
Benzene	ND	0.0250	1	09/13/24	09/16/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/16/24	
Toluene	ND	0.0250	1	09/13/24	09/16/24	
o-Xylene	ND	0.0250	1	09/13/24	09/16/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/16/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437079
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437088
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*78.2 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437096
Chloride	ND	200	10	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:28:17AM

BH29 20'

E409098-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437079
Benzene	ND	0.0250	1	09/13/24	09/16/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/16/24	
Toluene	ND	0.0250	1	09/13/24	09/16/24	
o-Xylene	ND	0.0250	1	09/13/24	09/16/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/16/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437079
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437088
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*72.7 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437096
Chloride	ND	200	10	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:28:17AM

BH29 25'

E409098-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437079
Benzene	ND	0.0250	1	09/13/24	09/16/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/16/24	
Toluene	ND	0.0250	1	09/13/24	09/16/24	
o-Xylene	ND	0.0250	1	09/13/24	09/16/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/16/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437079
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437088
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*74.4 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437096
Chloride	ND	200	10	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:28:17AM

BH29 29'

E409098-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437079
Benzene	ND	0.0250	1	09/13/24	09/16/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/16/24	
Toluene	ND	0.0250	1	09/13/24	09/16/24	
o-Xylene	ND	0.0250	1	09/13/24	09/16/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/16/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437079
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437088
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*78.5 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437096
Chloride	ND	200	10	09/13/24	09/13/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:28:17AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437079-BLK1)									Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.525*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.451*		*0.500*		*90.1*	*70-130*			
Surrogate: Toluene-d8	*0.544*		*0.500*		*109*	*70-130*			
LCS (2437079-BS1)									Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	2.32	0.0250	2.50		92.6	70-130			
Ethylbenzene	2.34	0.0250	2.50		93.7	70-130			
Toluene	2.38	0.0250	2.50		95.2	70-130			
o-Xylene	2.32	0.0250	2.50		92.7	70-130			
p,m-Xylene	4.67	0.0500	5.00		93.3	70-130			
Total Xylenes	6.98	0.0250	7.50		93.1	70-130			
Surrogate: Bromofluorobenzene	*0.524*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.7*	*70-130*			
Surrogate: Toluene-d8	*0.535*		*0.500*		*107*	*70-130*			
Matrix Spike (2437079-MS1)				**Source: E409098-04**					Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	2.33	0.0250	2.50	ND	93.3	48-131			
Ethylbenzene	2.35	0.0250	2.50	ND	94.1	45-135			
Toluene	2.39	0.0250	2.50	ND	95.6	48-130			
o-Xylene	2.31	0.0250	2.50	ND	92.3	43-135			
p,m-Xylene	4.63	0.0500	5.00	ND	92.6	43-135			
Total Xylenes	6.94	0.0250	7.50	ND	92.5	43-135			
Surrogate: Bromofluorobenzene	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.464*		*0.500*		*92.8*	*70-130*			
Surrogate: Toluene-d8	*0.532*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2437079-MSD1)				**Source: E409098-04**					Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	2.34	0.0250	2.50	ND	93.6	48-131	0.321	23	
Ethylbenzene	2.36	0.0250	2.50	ND	94.2	45-135	0.0849	27	
Toluene	2.39	0.0250	2.50	ND	95.6	48-130	0.0419	24	
o-Xylene	2.36	0.0250	2.50	ND	94.5	43-135	2.31	27	
p,m-Xylene	4.76	0.0500	5.00	ND	95.2	43-135	2.71	27	
Total Xylenes	7.12	0.0250	7.50	ND	94.9	43-135	2.57	27	
Surrogate: Bromofluorobenzene	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.472*		*0.500*		*94.3*	*70-130*			
Surrogate: Toluene-d8	*0.528*		*0.500*		*106*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:28:17AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437079-BLK1)									Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.525*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.451*		*0.500*		*90.1*	*70-130*			
Surrogate: Toluene-d8	*0.544*		*0.500*		*109*	*70-130*			
LCS (2437079-BS2)									Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	53.0	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	*0.528*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.467*		*0.500*		*93.3*	*70-130*			
Surrogate: Toluene-d8	*0.546*		*0.500*		*109*	*70-130*			
Matrix Spike (2437079-MS2)				**Source: E409098-04**					Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	51.6	20.0	50.0	ND	103	70-130			
Surrogate: Bromofluorobenzene	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.3*	*70-130*			
Surrogate: Toluene-d8	*0.549*		*0.500*		*110*	*70-130*			
Matrix Spike Dup (2437079-MSD2)				**Source: E409098-04**					Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	52.5	20.0	50.0	ND	105	70-130	1.63	20	
Surrogate: Bromofluorobenzene	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.467*		*0.500*		*93.3*	*70-130*			
Surrogate: Toluene-d8	*0.556*		*0.500*		*111*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:28:17AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437088-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*38.7*		*50.0*		*77.5*	*50-200*			
LCS (2437088-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Diesel Range Organics (C10-C28)	193	25.0	250		77.2	38-132			
Surrogate: n-Nonane	*39.5*		*50.0*		*79.1*	*50-200*			
Matrix Spike (2437088-MS1)				**Source: E409097-06**					Prepared: 09/13/24 Analyzed: 09/13/24
Diesel Range Organics (C10-C28)	204	25.0	250	ND	81.7	38-132			
Surrogate: n-Nonane	*40.3*		*50.0*		*80.7*	*50-200*			
Matrix Spike Dup (2437088-MSD1)				**Source: E409097-06**					Prepared: 09/13/24 Analyzed: 09/13/24
Diesel Range Organics (C10-C28)	215	25.0	250	ND	85.9	38-132	4.95	20	
Surrogate: n-Nonane	*38.4*		*50.0*		*76.7*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:28:17AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437096-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	ND	20.0							
LCS (2437096-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2437096-MS1)				**Source: E409093-05**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	751	20.0	250	466	114	80-120			
Matrix Spike Dup (2437096-MSD1)				**Source: E409093-05**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	708	20.0	250	466	96.9	80-120	5.82	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	02/13/25 09:28

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: Devon Energy Production Co LP	**Bill To**	Lab Use Only	TAT / EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E409098	Job Number 01058-0007
Project Manager: Anna Byers	Address: 5315 Buena Vista Dr.	1D 2D 3D Standard: 5 day TAT	CWA SDWA RCRA
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		
Phone: 432-305-6415	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WO: 21196155		
	Incident ID: nAPP2223636403		
Collected by: Edyte Konan			

Analysis and Method

State: NM x | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
9:00	09.10.24	S	1	BH29	1	0.5'						X		
9:10	09.10.24	S	1	BH29	2	4'						X		
9:20	09.10.24	S	1	BH29	3	10'						X		
9:30	09.10.24	S	1	BH29	4	15'						X		
9:40	09.10.24	S	1	BH29	5	20'						X		
9:50	09.10.24	S	1	BH29	6	25'						X		
10:00	09.10.24	S	1	BH29	7	29'						X		
				09/12/2024										

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: EK

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Edyte	09/12/24	06:00	Michelle Gonzales	9.12.24	0600
Michelle Gonzales	9-13-24	0220	Cath Mar	9.13.24	7:45

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 9/13/2024 9:05:40AM

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:	09/13/24 07:45	Work Order ID:	E409098
Phone:	(575) 748-0176	Date Logged In:	09/12/24 13:09	Logged In By:	Caitlin Mars
Email:	anna@ensolum.com	Due Date:	09/19/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Couier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: Devon Energy Production Co LP	Bill To	Lab Use Only
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E409098
Project Manager: Anna Byers	Address: 5315 Buena Vista Dr.	Job Number 01058-0007
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220	
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502	
Phone: 432-305-6415	Email: jim.raley@dvn.com	
Email: Devon-team@etechenv.com	WO: 21196155	
	Incident ID: ~~nAPP2223636403~~ NS 2-13-25 nAB1619656595	
Collected by: Edyte Konan		

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
			5 day TAT		
					RCRA

State: NM x | CO | UT | AZ | TX |

Analysis and Method: Depth(ft.) | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	BGDOC NM	GDOC TX	Remarks
9:00	09.10.24	S	1	BH29	1	0.5'	x		Corrected incident ID
9:10	09.10.24	S	1	BH29	2	4'	x		per Client. NS 2-13-25
9:20	09.10.24	S	1	BH29	3	10'	x		
9:30	09.10.24	S	1	BH29	4	15'	x		
9:40	09.10.24	S	1	BH29	5	20'	x		
9:50	09.10.24	S	1	BH29	6	25'	x		
10:00	09.10.24	S	1	BH29	7	29'	x		
				09/12/2024					

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: EK

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
[signature]	09/12/24	06:00	Michelle Gonzales	9.12.24	0600
Michelle Gonzales	9.13.24	0220	[signature]	9.13.24	7:45
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Report to:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E409099
Job Number:	01058-0007
Received:	9/13/2024

Revision: 3

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/25/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/25/24

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E409099
Date Received: 9/13/2024 7:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/13/2024 7:45:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH30 0.5’ 5
- BH30 4’ 6
- BH30 10’ 7
- BH30 15’ 8
- BH30 20’ 9
- BH30 25’ 10
- BH30 29’ 11

QC Summary Data 12

- QC - Volatile Organic Compounds by EPA8260B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	09/25/24 10:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH30 0.5'	E409099-01A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH30 4'	E409099-02A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH30 10'	E409099-03A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH30 15'	E409099-04A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH30 20'	E409099-05A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH30 25'	E409099-06A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH30 29'	E409099-07A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:59:34AM

BH30 0.5'

E409099-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Benzene	ND	0.0250	1	09/13/24	09/16/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/16/24	
Toluene	ND	0.0250	1	09/13/24	09/16/24	
o-Xylene	ND	0.0250	1	09/13/24	09/16/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/16/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*90.6 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*90.6 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437087
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*77.9 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437101
Chloride	**328**	20.0	1	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:59:34AM

BH30 4'

E409099-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Benzene	ND	0.0250	1	09/13/24	09/16/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/16/24	
Toluene	ND	0.0250	1	09/13/24	09/16/24	
o-Xylene	ND	0.0250	1	09/13/24	09/16/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/16/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*89.6 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*98.9 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*89.6 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*98.9 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437087
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*72.2 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437101
Chloride	ND	200	10	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:59:34AM

BH30 10'

E409099-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Benzene	ND	0.0250	1	09/13/24	09/16/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/16/24	
Toluene	ND	0.0250	1	09/13/24	09/16/24	
o-Xylene	ND	0.0250	1	09/13/24	09/16/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/16/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*91.9 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*91.9 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437087
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*75.3 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437101
Chloride	ND	200	10	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:59:34AM

BH30 15'

E409099-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*90.2 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*97.0 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*90.2 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*97.0 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437087
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*74.7 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437101
Chloride	**204**	20.0	1	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:59:34AM

BH30 20'

E409099-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*87.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*87.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437087
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*77.8 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437101
Chloride	ND	200	10	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:59:34AM

BH30 25'

E409099-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.1 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.1 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*98.6 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.1 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.1 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*98.6 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437087
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*79.5 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437101
Chloride	ND	200	10	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:59:34AM

BH30 29'

E409099-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.1 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.1 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437087
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*78.0 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437101
Chloride	**227**	20.0	1	09/13/24	09/13/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:59:34AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437080-BLK1)									Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.459*		*0.500*		*91.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.470*		*0.500*		*93.9*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			
LCS (2437080-BS1)									Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	2.02	0.0250	2.50		80.8	70-130			
Ethylbenzene	2.04	0.0250	2.50		81.6	70-130			
Toluene	2.17	0.0250	2.50		86.7	70-130			
o-Xylene	2.14	0.0250	2.50		85.7	70-130			
p,m-Xylene	4.31	0.0500	5.00		86.1	70-130			
Total Xylenes	6.45	0.0250	7.50		86.0	70-130			
Surrogate: Bromofluorobenzene	*0.452*		*0.500*		*90.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.1*	*70-130*			
Surrogate: Toluene-d8	*0.500*		*0.500*		*100*	*70-130*			
Matrix Spike (2437080-MS1)				**Source: E409100-01**					Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	2.10	0.0250	2.50	ND	84.2	48-131			
Ethylbenzene	2.14	0.0250	2.50	ND	85.6	45-135			
Toluene	2.28	0.0250	2.50	ND	91.2	48-130			
o-Xylene	2.33	0.0250	2.50	ND	93.3	43-135			
p,m-Xylene	4.66	0.0500	5.00	ND	93.2	43-135			
Total Xylenes	6.99	0.0250	7.50	ND	93.2	43-135			
Surrogate: Bromofluorobenzene	*0.473*		*0.500*		*94.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.499*		*0.500*		*99.7*	*70-130*			
Surrogate: Toluene-d8	*0.503*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2437080-MSD1)				**Source: E409100-01**					Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	2.14	0.0250	2.50	ND	85.7	48-131	1.77	23	
Ethylbenzene	2.17	0.0250	2.50	ND	86.7	45-135	1.32	27	
Toluene	2.31	0.0250	2.50	ND	92.3	48-130	1.16	24	
o-Xylene	2.31	0.0250	2.50	ND	92.2	43-135	1.12	27	
p,m-Xylene	4.62	0.0500	5.00	ND	92.4	43-135	0.841	27	
Total Xylenes	6.93	0.0250	7.50	ND	92.3	43-135	0.934	27	
Surrogate: Bromofluorobenzene	*0.463*		*0.500*		*92.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.462*		*0.500*		*92.4*	*70-130*			
Surrogate: Toluene-d8	*0.501*		*0.500*		*100*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:59:34AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437080-BLK1)									Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.459*		*0.500*		*91.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.470*		*0.500*		*93.9*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			
LCS (2437080-BS2)									Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.1	70-130			
Surrogate: Bromofluorobenzene	*0.473*		*0.500*		*94.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.472*		*0.500*		*94.4*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			
Matrix Spike (2437080-MS2)				**Source: E409100-01**					Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	45.9	20.0	50.0	ND	91.9	70-130			
Surrogate: Bromofluorobenzene	*0.462*		*0.500*		*92.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*95.9*	*70-130*			
Surrogate: Toluene-d8	*0.512*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2437080-MSD2)				**Source: E409100-01**					Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130	2.92	20	
Surrogate: Bromofluorobenzene	*0.480*		*0.500*		*96.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.469*		*0.500*		*93.7*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:59:34AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437087-BLK1)									Prepared: 09/13/24 Analyzed: 09/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*39.3*		*50.0*		*78.6*	*50-200*			
LCS (2437087-BS1)									Prepared: 09/13/24 Analyzed: 09/14/24
Diesel Range Organics (C10-C28)	200	25.0	250		80.1	38-132			
Surrogate: n-Nonane	*41.8*		*50.0*		*83.7*	*50-200*			
Matrix Spike (2437087-MS1)				**Source: E409099-05**					Prepared: 09/13/24 Analyzed: 09/14/24
Diesel Range Organics (C10-C28)	205	25.0	250	ND	82.1	38-132			
Surrogate: n-Nonane	*42.2*		*50.0*		*84.4*	*50-200*			
Matrix Spike Dup (2437087-MSD1)				**Source: E409099-05**					Prepared: 09/13/24 Analyzed: 09/14/24
Diesel Range Organics (C10-C28)	206	25.0	250	ND	82.5	38-132	0.464	20	
Surrogate: n-Nonane	*43.5*		*50.0*		*86.9*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 10:59:34AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437101-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	ND	20.0							
LCS (2437101-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2437101-MS1)				**Source: E409100-01**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	364	200	250	ND	145	80-120			M6
Matrix Spike Dup (2437101-MSD1)				**Source: E409100-01**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	407	200	250	ND	163	80-120	11.2	20	M6

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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	09/25/24 10:59

M6	Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS recoveries.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 9/13/2024 8:52:49AM

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:	09/13/24 07:45	Work Order ID:	E409099
Phone:	(575) 748-0176	Date Logged In:	09/12/24 13:11	Logged In By:	Caitlin Mars
Email:	anna@ensolum.com	Due Date:	09/19/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Couier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Report to:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E409100
Job Number:	01058-0007
Received:	9/13/2024

Revision: 3

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/25/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/25/24

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E409100
Date Received: 9/13/2024 7:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/13/2024 7:45:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH31 0.5’ 5
- BH31 4’ 6
- BH31 10’ 7
- BH31 15’ 8
- BH31 20’ 9
- BH31 25’ 10
- BH31 29’ 11

QC Summary Data 12

- QC - Volatile Organic Compounds by EPA8260B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	09/25/24 11:01

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH31 0.5'	E409100-01A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH31 4'	E409100-02A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH31 10'	E409100-03A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH31 15'	E409100-04A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH31 20'	E409100-05A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH31 25'	E409100-06A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH31 29'	E409100-07A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:01:03AM

BH31 0.5'

E409100-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Benzene	ND	0.0250	1	09/13/24	09/16/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/16/24	
Toluene	ND	0.0250	1	09/13/24	09/16/24	
o-Xylene	ND	0.0250	1	09/13/24	09/16/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/16/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*90.4 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/16/24	
Surrogate: Bromofluorobenzene		*90.4 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*09/13/24*	*09/16/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437087
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*76.4 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437101
Chloride	ND	200	10	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:01:03AM

BH31 4'

E409100-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.1 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*98.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.1 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*98.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437087
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*75.8 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437101
Chloride	ND	200	10	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:01:03AM

BH31 10'

E409100-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*89.0 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*89.0 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437087
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*81.0 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437101
Chloride	ND	200	10	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:01:03AM

BH31 15'

E409100-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Benzene	ND	0.0500	2	09/13/24	09/17/24	
Ethylbenzene	ND	0.0500	2	09/13/24	09/17/24	
Toluene	ND	0.0500	2	09/13/24	09/17/24	
o-Xylene	ND	0.0500	2	09/13/24	09/17/24	
p,m-Xylene	ND	0.100	2	09/13/24	09/17/24	
Total Xylenes	ND	0.0500	2	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Gasoline Range Organics (C6-C10)	ND	40.0	2	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437087
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*72.0 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437101
Chloride	ND	200	10	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:01:03AM

BH31 20'

E409100-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*98.0 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*98.0 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437087
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*68.1 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437101
Chloride	ND	200	10	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:01:03AM

BH31 25'

E409100-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Benzene	ND	0.0500	2	09/13/24	09/17/24	
Ethylbenzene	ND	0.0500	2	09/13/24	09/17/24	
Toluene	ND	0.0500	2	09/13/24	09/17/24	
o-Xylene	ND	0.0500	2	09/13/24	09/17/24	
p,m-Xylene	ND	0.100	2	09/13/24	09/17/24	
Total Xylenes	ND	0.0500	2	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*87.6 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.2 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*98.6 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Gasoline Range Organics (C6-C10)	ND	40.0	2	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*87.6 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.2 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*98.6 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437087
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*78.0 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437101
Chloride	ND	200	10	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:01:03AM

BH31 29'

E409100-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Benzene	ND	0.0500	2	09/13/24	09/17/24	
Ethylbenzene	ND	0.0500	2	09/13/24	09/17/24	
Toluene	ND	0.0500	2	09/13/24	09/17/24	
o-Xylene	ND	0.0500	2	09/13/24	09/17/24	
p,m-Xylene	ND	0.100	2	09/13/24	09/17/24	
Total Xylenes	ND	0.0500	2	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*89.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437080
Gasoline Range Organics (C6-C10)	ND	40.0	2	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*89.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437087
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*74.7 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437101
Chloride	ND	200	10	09/13/24	09/13/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:01:03AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437080-BLK1)									Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.459*		*0.500*		*91.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.470*		*0.500*		*93.9*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			
LCS (2437080-BS1)									Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	2.02	0.0250	2.50		80.8	70-130			
Ethylbenzene	2.04	0.0250	2.50		81.6	70-130			
Toluene	2.17	0.0250	2.50		86.7	70-130			
o-Xylene	2.14	0.0250	2.50		85.7	70-130			
p,m-Xylene	4.31	0.0500	5.00		86.1	70-130			
Total Xylenes	6.45	0.0250	7.50		86.0	70-130			
Surrogate: Bromofluorobenzene	*0.452*		*0.500*		*90.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.1*	*70-130*			
Surrogate: Toluene-d8	*0.500*		*0.500*		*100*	*70-130*			
Matrix Spike (2437080-MS1)				**Source: E409100-01**					Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	2.10	0.0250	2.50	ND	84.2	48-131			
Ethylbenzene	2.14	0.0250	2.50	ND	85.6	45-135			
Toluene	2.28	0.0250	2.50	ND	91.2	48-130			
o-Xylene	2.33	0.0250	2.50	ND	93.3	43-135			
p,m-Xylene	4.66	0.0500	5.00	ND	93.2	43-135			
Total Xylenes	6.99	0.0250	7.50	ND	93.2	43-135			
Surrogate: Bromofluorobenzene	*0.473*		*0.500*		*94.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.499*		*0.500*		*99.7*	*70-130*			
Surrogate: Toluene-d8	*0.503*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2437080-MSD1)				**Source: E409100-01**					Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	2.14	0.0250	2.50	ND	85.7	48-131	1.77	23	
Ethylbenzene	2.17	0.0250	2.50	ND	86.7	45-135	1.32	27	
Toluene	2.31	0.0250	2.50	ND	92.3	48-130	1.16	24	
o-Xylene	2.31	0.0250	2.50	ND	92.2	43-135	1.12	27	
p,m-Xylene	4.62	0.0500	5.00	ND	92.4	43-135	0.841	27	
Total Xylenes	6.93	0.0250	7.50	ND	92.3	43-135	0.934	27	
Surrogate: Bromofluorobenzene	*0.463*		*0.500*		*92.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.462*		*0.500*		*92.4*	*70-130*			
Surrogate: Toluene-d8	*0.501*		*0.500*		*100*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:01:03AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437080-BLK1)									Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.459*		*0.500*		*91.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.470*		*0.500*		*93.9*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			
LCS (2437080-BS2)									Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.1	70-130			
Surrogate: Bromofluorobenzene	*0.473*		*0.500*		*94.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.472*		*0.500*		*94.4*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			
Matrix Spike (2437080-MS2)				**Source: E409100-01**					Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	45.9	20.0	50.0	ND	91.9	70-130			
Surrogate: Bromofluorobenzene	*0.462*		*0.500*		*92.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*95.9*	*70-130*			
Surrogate: Toluene-d8	*0.512*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2437080-MSD2)				**Source: E409100-01**					Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130	2.92	20	
Surrogate: Bromofluorobenzene	*0.480*		*0.500*		*96.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.469*		*0.500*		*93.7*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:01:03AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437087-BLK1)									Prepared: 09/13/24 Analyzed: 09/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*39.3*		*50.0*		*78.6*	*50-200*			
LCS (2437087-BS1)									Prepared: 09/13/24 Analyzed: 09/14/24
Diesel Range Organics (C10-C28)	200	25.0	250		80.1	38-132			
Surrogate: n-Nonane	*41.8*		*50.0*		*83.7*	*50-200*			
Matrix Spike (2437087-MS1)				**Source: E409099-05**					Prepared: 09/13/24 Analyzed: 09/14/24
Diesel Range Organics (C10-C28)	205	25.0	250	ND	82.1	38-132			
Surrogate: n-Nonane	*42.2*		*50.0*		*84.4*	*50-200*			
Matrix Spike Dup (2437087-MSD1)				**Source: E409099-05**					Prepared: 09/13/24 Analyzed: 09/14/24
Diesel Range Organics (C10-C28)	206	25.0	250	ND	82.5	38-132	0.464	20	
Surrogate: n-Nonane	*43.5*		*50.0*		*86.9*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:01:03AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437101-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	ND	20.0							
LCS (2437101-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2437101-MS1)				**Source: E409100-01**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	364	200	250	ND	145	80-120			M6
Matrix Spike Dup (2437101-MSD1)				**Source: E409100-01**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	407	200	250	ND	163	80-120	11.2	20	M6

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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	09/25/24 11:01

M6	Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS recoveries.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 9/13/2024 8:56:58AM

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:	09/13/24 07:45	Work Order ID:	E409100
Phone:	(575) 748-0176	Date Logged In:	09/12/24 13:13	Logged In By:	Caitlin Mars
Email:	anna@ensolum.com	Due Date:	09/19/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Couier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Report to:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E409101
Job Number:	01058-0007
Received:	9/13/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/25/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/25/24

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E409101
Date Received: 9/13/2024 7:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/13/2024 7:45:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Cell: 775-287-1762
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH32 0.5’ 5
- BH32 4’ 6
- BH32 10’ 7
- BH32 15’ 8
- BH32 20’ 9
- BH32 25’ 10
- BH32 29’ 11

QC Summary Data 12

- QC - Volatile Organics by EPA 8021B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	09/25/24 11:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH32 0.5'	E409101-01A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH32 4'	E409101-02A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH32 10'	E409101-03A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH32 15'	E409101-04A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH32 20'	E409101-05A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH32 25'	E409101-06A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH32 29'	E409101-07A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:03:30AM

BH32 0.5'

E409101-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437086
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/13/24	
Surrogate: n-Nonane		*73.9 %*	*50-200*	*09/13/24*	*09/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437102
Chloride	**190**	20.0	1	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:03:30AM

BH32 4'

E409101-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437086
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/13/24	
Surrogate: n-Nonane		*76.6 %*	*50-200*	*09/13/24*	*09/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437102
Chloride	**113**	40.0	2	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:03:30AM

BH32 10'

E409101-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437086
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/13/24	
Surrogate: n-Nonane		*75.6 %*	*50-200*	*09/13/24*	*09/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437102
Chloride	**108**	40.0	2	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:03:30AM

BH32 15'

E409101-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.5 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437086
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/13/24	
Surrogate: n-Nonane		*76.1 %*	*50-200*	*09/13/24*	*09/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437102
Chloride	**115**	40.0	2	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:03:30AM

BH32 20'

E409101-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.2 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437086
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/13/24	
Surrogate: n-Nonane		*67.9 %*	*50-200*	*09/13/24*	*09/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437102
Chloride	**114**	40.0	2	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:03:30AM

BH32 25'

E409101-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.5 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437086
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/13/24	
Surrogate: n-Nonane		*70.6 %*	*50-200*	*09/13/24*	*09/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437102
Chloride	**117**	40.0	2	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:03:30AM

BH32 29'

E409101-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437086
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/13/24	
Surrogate: n-Nonane		*69.4 %*	*50-200*	*09/13/24*	*09/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437102
Chloride	**106**	40.0	2	09/13/24	09/13/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:03:30AM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437081-BLK1)									Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.97*		*8.00*		*87.1*	*70-130*			
LCS (2437081-BS1)									Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	4.42	0.0250	5.00		88.4	70-130			
Ethylbenzene	4.20	0.0250	5.00		84.1	70-130			
Toluene	4.33	0.0250	5.00		86.6	70-130			
o-Xylene	4.18	0.0250	5.00		83.6	70-130			
p,m-Xylene	8.55	0.0500	10.0		85.5	70-130			
Total Xylenes	12.7	0.0250	15.0		84.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.02*		*8.00*		*87.7*	*70-130*			
Matrix Spike (2437081-MS1)				**Source: E409102-01**					Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	4.56	0.0250	5.00	ND	91.1	54-133			
Ethylbenzene	4.35	0.0250	5.00	ND	87.0	61-133			
Toluene	4.49	0.0250	5.00	ND	89.8	61-130			
o-Xylene	4.33	0.0250	5.00	ND	86.5	63-131			
p,m-Xylene	8.85	0.0500	10.0	ND	88.5	63-131			
Total Xylenes	13.2	0.0250	15.0	ND	87.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.09*		*8.00*		*88.6*	*70-130*			
Matrix Spike Dup (2437081-MSD1)				**Source: E409102-01**					Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	5.02	0.0250	5.00	ND	100	54-133	9.61	20	
Ethylbenzene	4.81	0.0250	5.00	ND	96.3	61-133	10.1	20	
Toluene	4.94	0.0250	5.00	ND	98.7	61-130	9.51	20	
o-Xylene	4.77	0.0250	5.00	ND	95.4	63-131	9.83	20	
p,m-Xylene	9.77	0.0500	10.0	ND	97.7	63-131	9.89	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.9	63-131	9.87	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.09*		*8.00*		*88.6*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:03:30AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437081-BLK1)									Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		*8.00*		*93.5*	*70-130*			
LCS (2437081-BS2)									Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	44.1	20.0	50.0		88.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2437081-MS2)				**Source: E409102-01**					Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.76*		*8.00*		*97.0*	*70-130*			
Matrix Spike Dup (2437081-MSD2)				**Source: E409102-01**					Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	43.7	20.0	50.0	ND	87.3	70-130	3.27	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.87*		*8.00*		*98.3*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:03:30AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437086-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*38.1*		*50.0*		*76.2*	*50-200*			
LCS (2437086-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Diesel Range Organics (C10-C28)	189	25.0	250		75.5	38-132			
Surrogate: n-Nonane	*40.1*		*50.0*		*80.2*	*50-200*			
Matrix Spike (2437086-MS1)				**Source: E409101-04**					Prepared: 09/13/24 Analyzed: 09/13/24
Diesel Range Organics (C10-C28)	201	25.0	250	ND	80.3	38-132			
Surrogate: n-Nonane	*41.2*		*50.0*		*82.5*	*50-200*			
Matrix Spike Dup (2437086-MSD1)				**Source: E409101-04**					Prepared: 09/13/24 Analyzed: 09/13/24
Diesel Range Organics (C10-C28)	203	25.0	250	ND	81.4	38-132	1.37	20	
Surrogate: n-Nonane	*40.8*		*50.0*		*81.6*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:03:30AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437102-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	ND	20.0							
LCS (2437102-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2437102-MS1)				**Source: E409101-03**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	366	40.0	250	108	103	80-120			
Matrix Spike Dup (2437102-MSD1)				**Source: E409101-03**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	359	40.0	250	108	100	80-120	1.92	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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	09/25/24 11:03

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 9/13/2024 9:00:08AM

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:	09/13/24 07:45	Work Order ID:	E409101
Phone:	(575) 748-0176	Date Logged In:	09/12/24 13:14	Logged In By:	Caitlin Mars
Email:	anna@ensolum.com	Due Date:	09/19/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Couier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Report to:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E409102
Job Number:	01058-0007
Received:	9/13/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/25/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/25/24

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E409102
Date Received: 9/13/2024 7:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/13/2024 7:45:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Cell: 775-287-1762
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH33 0.5’ 5
- BH33 4’ 6
- BH33 10’ 7
- BH33 15’ 8
- BH33 20’ 9
- BH33 25’ 10
- BH33 29’ 11

QC Summary Data 12

- QC - Volatile Organics by EPA 8021B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	09/25/24 11:04

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH33 0.5'	E409102-01A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH33 4'	E409102-02A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH33 10'	E409102-03A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH33 15'	E409102-04A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH33 20'	E409102-05A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH33 25'	E409102-06A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH33 29'	E409102-07A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:04:59AM

BH33 0.5'

E409102-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Benzene	ND	0.0250	1	09/13/24	09/16/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/16/24	
Toluene	ND	0.0250	1	09/13/24	09/16/24	
o-Xylene	ND	0.0250	1	09/13/24	09/16/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/16/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.0 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*09/13/24*	*09/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437086
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/13/24	
Surrogate: n-Nonane		*72.8 %*	*50-200*	*09/13/24*	*09/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437102
Chloride	ND	20.0	1	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:04:59AM

BH33 4'

E409102-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437086
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/13/24	
Surrogate: n-Nonane		*72.4 %*	*50-200*	*09/13/24*	*09/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437102
Chloride	**29.4**	20.0	1	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:04:59AM

BH33 10'

E409102-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437086
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*65.2 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437102
Chloride	ND	200	10	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:04:59AM

BH33 15'

E409102-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437086
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*67.8 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437102
Chloride	**23.8**	20.0	1	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:04:59AM

BH33 20'

E409102-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437086
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*66.1 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437102
Chloride	**107**	20.0	1	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:04:59AM

BH33 25'

E409102-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.1 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437086
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*74.0 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437102
Chloride	ND	200	10	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:04:59AM

BH33 29'

E409102-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.6 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437086
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/14/24	
Surrogate: n-Nonane		*73.8 %*	*50-200*	*09/13/24*	*09/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437102
Chloride	ND	200	10	09/13/24	09/14/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:04:59AM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437081-BLK1)									Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.97*		*8.00*		*87.1*	*70-130*			
LCS (2437081-BS1)									Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	4.42	0.0250	5.00		88.4	70-130			
Ethylbenzene	4.20	0.0250	5.00		84.1	70-130			
Toluene	4.33	0.0250	5.00		86.6	70-130			
o-Xylene	4.18	0.0250	5.00		83.6	70-130			
p,m-Xylene	8.55	0.0500	10.0		85.5	70-130			
Total Xylenes	12.7	0.0250	15.0		84.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.02*		*8.00*		*87.7*	*70-130*			
Matrix Spike (2437081-MS1)				**Source: E409102-01**					Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	4.56	0.0250	5.00	ND	91.1	54-133			
Ethylbenzene	4.35	0.0250	5.00	ND	87.0	61-133			
Toluene	4.49	0.0250	5.00	ND	89.8	61-130			
o-Xylene	4.33	0.0250	5.00	ND	86.5	63-131			
p,m-Xylene	8.85	0.0500	10.0	ND	88.5	63-131			
Total Xylenes	13.2	0.0250	15.0	ND	87.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.09*		*8.00*		*88.6*	*70-130*			
Matrix Spike Dup (2437081-MSD1)				**Source: E409102-01**					Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	5.02	0.0250	5.00	ND	100	54-133	9.61	20	
Ethylbenzene	4.81	0.0250	5.00	ND	96.3	61-133	10.1	20	
Toluene	4.94	0.0250	5.00	ND	98.7	61-130	9.51	20	
o-Xylene	4.77	0.0250	5.00	ND	95.4	63-131	9.83	20	
p,m-Xylene	9.77	0.0500	10.0	ND	97.7	63-131	9.89	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.9	63-131	9.87	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.09*		*8.00*		*88.6*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:04:59AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437081-BLK1)									Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		*8.00*		*93.5*	*70-130*			
LCS (2437081-BS2)									Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	44.1	20.0	50.0		88.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2437081-MS2)				**Source: E409102-01**					Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.76*		*8.00*		*97.0*	*70-130*			
Matrix Spike Dup (2437081-MSD2)				**Source: E409102-01**					Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	43.7	20.0	50.0	ND	87.3	70-130	3.27	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.87*		*8.00*		*98.3*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:04:59AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437086-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*38.1*		*50.0*		*76.2*	*50-200*			
LCS (2437086-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Diesel Range Organics (C10-C28)	189	25.0	250		75.5	38-132			
Surrogate: n-Nonane	*40.1*		*50.0*		*80.2*	*50-200*			
Matrix Spike (2437086-MS1)				**Source: E409101-04**					Prepared: 09/13/24 Analyzed: 09/13/24
Diesel Range Organics (C10-C28)	201	25.0	250	ND	80.3	38-132			
Surrogate: n-Nonane	*41.2*		*50.0*		*82.5*	*50-200*			
Matrix Spike Dup (2437086-MSD1)				**Source: E409101-04**					Prepared: 09/13/24 Analyzed: 09/13/24
Diesel Range Organics (C10-C28)	203	25.0	250	ND	81.4	38-132	1.37	20	
Surrogate: n-Nonane	*40.8*		*50.0*		*81.6*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:04:59AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437102-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	ND	20.0							
LCS (2437102-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2437102-MS1)				**Source: E409101-03**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	366	40.0	250	108	103	80-120			
Matrix Spike Dup (2437102-MSD1)				**Source: E409101-03**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	359	40.0	250	108	100	80-120	1.92	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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	09/25/24 11:04

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/27/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page __1__ of __1__

Client: Devon Energy Production Co LP	**Bill To**	Lab Use Only	TAT / EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E409102	Job Number 01058-0007
Project Manager: Anna Byers	Address: 5315 Buena Vista Dr.	1D 2D 3D Standard: 5 day TAT	CWA SDWA RCRA
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220	Analysis and Method	State: NM CO UT AZ TX
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		
Phone: 432-305-6415	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WO: 21196155		
	Incident ID: nAPP2223636403		
Collected by: Edyte Konan			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
13:40	09.10.24	S	1	BH33	1	0.5'						X		
13:50	09.10.24	S	1	BH33	2	4'						X		
14:00	09.10.24	S	1	BH33	3	10'						X		
14:10	09.10.24	S	1	BH33	4	15'						X		
14:20	09.10.24	S	1	BH33	5	20'						X		
14:30	09.10.24	S	1	BH33	6	25'						X		
14:40	09.10.24	S	1	BH33	7	29'						X		

09/12/2024

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: EK

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
	09/12/24	8:00	Michelle Gonzales	9-12-24	0600
Michelle Gonzales	9-13-24	0220		9-13-24	0745
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 9/13/2024 9:03:02AM

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:	09/13/24 07:45	Work Order ID:	E409102
Phone:	(575) 748-0176	Date Logged In:	09/12/24 13:16	Logged In By:	Caitlin Mars
Email:	anna@ensolum.com	Due Date:	09/19/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Couier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Report to:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E409103
Job Number:	01058-0007
Received:	9/13/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/25/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/25/24

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E409103
Date Received: 9/13/2024 7:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/13/2024 7:45:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH34 0.5’ 5
- BH34 4’ 6
- BH34 10’ 7
- BH34 15’ 8
- BH34 20’ 9
- BH34 25’ 10
- BH34 29’ 11

QC Summary Data 12

- QC - Volatile Organics by EPA 8021B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	09/25/24 11:07

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH34 0.5'	E409103-01A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.
BH34 4'	E409103-02A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.
BH34 10'	E409103-03A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.
BH34 15'	E409103-04A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.
BH34 20'	E409103-05A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.
BH34 25'	E409103-06A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.
BH34 29'	E409103-07A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:07:21AM

BH34 0.5'

E409103-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437085
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/16/24	
Surrogate: n-Nonane		*76.8 %*	*50-200*	*09/13/24*	*09/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437104
Chloride	**55.2**	20.0	1	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:07:21AM

BH34 4'

E409103-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437085
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/16/24	
Surrogate: n-Nonane		*80.7 %*	*50-200*	*09/13/24*	*09/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437104
Chloride	**53.2**	20.0	1	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:07:21AM

BH34 10'

E409103-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437085
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/16/24	
Surrogate: n-Nonane		*76.2 %*	*50-200*	*09/13/24*	*09/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437104
Chloride	**37.8**	20.0	1	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:07:21AM

BH34 15'

E409103-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437085
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/16/24	
Surrogate: n-Nonane		*73.9 %*	*50-200*	*09/13/24*	*09/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437104
Chloride	**52.3**	20.0	1	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:07:21AM

BH34 20'

E409103-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437085
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/16/24	
Surrogate: n-Nonane		*75.9 %*	*50-200*	*09/13/24*	*09/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437104
Chloride	**119**	20.0	1	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:07:21AM

BH34 25'

E409103-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437085
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/16/24	
Surrogate: n-Nonane		*79.8 %*	*50-200*	*09/13/24*	*09/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437104
Chloride	ND	200	10	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:07:21AM

BH34 29'

E409103-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437085
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/16/24	
Surrogate: n-Nonane		*79.2 %*	*50-200*	*09/13/24*	*09/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437104
Chloride	ND	200	10	09/13/24	09/14/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:07:21AM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437082-BLK1)									Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.99*		*8.00*		*99.8*	*70-130*			
LCS (2437082-BS1)									Prepared: 09/13/24 Analyzed: 09/17/24
Benzene	4.63	0.0250	5.00		92.7	70-130			
Ethylbenzene	4.46	0.0250	5.00		89.2	70-130			
Toluene	4.57	0.0250	5.00		91.5	70-130			
o-Xylene	4.46	0.0250	5.00		89.1	70-130			
p,m-Xylene	9.08	0.0500	10.0		90.8	70-130			
Total Xylenes	13.5	0.0250	15.0		90.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.08*		*8.00*		*101*	*70-130*			
Matrix Spike (2437082-MS1)				**Source: E409104-03**					Prepared: 09/13/24 Analyzed: 09/17/24
Benzene	5.96	0.0250	5.00	ND	119	54-133			
Ethylbenzene	5.71	0.0250	5.00	ND	114	61-133			
Toluene	5.87	0.0250	5.00	ND	117	61-130			
o-Xylene	5.73	0.0250	5.00	ND	115	63-131			
p,m-Xylene	11.6	0.0500	10.0	ND	116	63-131			
Total Xylenes	17.3	0.0250	15.0	ND	115	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.09*		*8.00*		*101*	*70-130*			
Matrix Spike Dup (2437082-MSD1)				**Source: E409104-03**					Prepared: 09/13/24 Analyzed: 09/17/24
Benzene	4.97	0.0250	5.00	ND	99.4	54-133	18.2	20	
Ethylbenzene	4.78	0.0250	5.00	ND	95.5	61-133	17.9	20	
Toluene	4.89	0.0250	5.00	ND	97.8	61-130	18.2	20	
o-Xylene	4.78	0.0250	5.00	ND	95.6	63-131	18.2	20	
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	63-131	17.5	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.6	63-131	17.7	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.07*		*8.00*		*101*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:07:21AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437082-BLK1)									Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.46*		*8.00*		*93.3*	*70-130*			
LCS (2437082-BS2)									Prepared: 09/13/24 Analyzed: 09/17/24
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.9*	*70-130*			
Matrix Spike (2437082-MS2)				**Source: E409104-03**					Prepared: 09/13/24 Analyzed: 09/17/24
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0	ND	85.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.60*		*8.00*		*95.0*	*70-130*			
Matrix Spike Dup (2437082-MSD2)				**Source: E409104-03**					Prepared: 09/13/24 Analyzed: 09/17/24
Gasoline Range Organics (C6-C10)	40.7	20.0	50.0	ND	81.5	70-130	4.50	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.64*		*8.00*		*95.6*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:07:21AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437085-BLK1)									Prepared: 09/13/24 Analyzed: 09/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*36.6*		*50.0*		*73.2*	*50-200*			
LCS (2437085-BS1)									Prepared: 09/13/24 Analyzed: 09/16/24
Diesel Range Organics (C10-C28)	191	25.0	250		76.3	38-132			
Surrogate: n-Nonane	*35.0*		*50.0*		*70.0*	*50-200*			
Matrix Spike (2437085-MS1)				**Source: E409103-03**					Prepared: 09/13/24 Analyzed: 09/16/24
Diesel Range Organics (C10-C28)	200	25.0	250	ND	80.0	38-132			
Surrogate: n-Nonane	*37.4*		*50.0*		*74.8*	*50-200*			
Matrix Spike Dup (2437085-MSD1)				**Source: E409103-03**					Prepared: 09/13/24 Analyzed: 09/16/24
Diesel Range Organics (C10-C28)	192	25.0	250	ND	76.7	38-132	4.19	20	
Surrogate: n-Nonane	*33.8*		*50.0*		*67.7*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:07:21AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437104-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	ND	20.0							
LCS (2437104-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2437104-MS1)				**Source: E409103-05**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	359	20.0	250	119	95.8	80-120			
Matrix Spike Dup (2437104-MSD1)				**Source: E409103-05**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	374	20.0	250	119	102	80-120	4.19	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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	09/25/24 11:07

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

roject Information | Chain of Custody | Page __1__ of __1__

| | | |

Envirotech Analytical Laboratory

Printed: 9/13/2024 9:05:28AM

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:	09/13/24 07:45	Work Order ID:	E409103
Phone:	(575) 748-0176	Date Logged In:	09/12/24 13:18	Logged In By:	Caitlin Mars
Email:	anna@ensolum.com	Due Date:	09/19/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Couier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: Devon Energy Production Co LP	Bill To	Lab Use Only
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E409103
Project Manager: Anna Byers	Address: 5315 Buena Vista Dr.	Job Number 01058-0007
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220	
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502	
Phone: 432-305-6415	Email: jim.raley@dvn.com	
Email: Devon-team@etechenv.com	WO: 21196155	
Collected by: Edyte Konan	Incident ID: ~~nAPP2223636403~~ nAB1619656595	

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
			5 day TAT		
					RCRA
				State	
				NM	CO
				x	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
9:00	09.09.24	S	1	BH34	1	0.5'								X				Incident ID Updated per A. Byers 9/13/24. EM
9:10	09.09.24	S	1	BH34	2	4'								X				
9:20	09.09.24	S	1	BH34	3	10'								X				
9:30	09.09.24	S	1	BH34	4	15'								X				
9:40	09.09.24	S	1	BH34	5	20'								X				
9:50	09.09.24	S	1	BH34	6	25'								X				
10:00	09.09.24	S	1	BH34	7	29'								X				

09/12/24

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: EK

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
~~Edyte~~	09/12/24	06:00	Michelle Gonzales	9.12.24	0600
Michelle Gonzales	9-13-24	0220		9-13-24	0745
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Report to:

Anna Byers



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E409104
Job Number:	01058-0007
Received:	9/13/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/13/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/13/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E409104
Date Received: 9/13/2024 7:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/13/2024 7:45:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH35 0.5’ 5
- BH35 4’ 6
- BH35 10’ 7
- BH35 15’ 8
- BH35 20’ 9
- BH35 25’ 10
- BH35 29’ 11

QC Summary Data 12

- QC - Volatile Organics by EPA 8021B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	02/13/25 09:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH35 0.5'	E409104-01A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.
BH35 4'	E409104-02A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.
BH35 10'	E409104-03A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.
BH35 15'	E409104-04A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.
BH35 20'	E409104-05A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.
BH35 25'	E409104-06A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.
BH35 29'	E409104-07A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:30:39AM

BH35 0.5'

E409104-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437085
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*84.4 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437104
Chloride	ND	20.0	1	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:30:39AM

BH35 4'

E409104-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437085
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*82.1 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437104
Chloride	**29.6**	20.0	1	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:30:39AM

BH35 10'

E409104-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437085
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*83.4 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437104
Chloride	**39.8**	20.0	1	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:30:39AM

BH35 15'

E409104-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437085
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*81.1 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437104
Chloride	**24.3**	20.0	1	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:30:39AM

BH35 20'

E409104-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437085
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*79.1 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437104
Chloride	**109**	20.0	1	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:30:39AM

BH35 25'

E409104-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437085
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*84.9 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437104
Chloride	**115**	100	5	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:30:39AM

BH35 29'

E409104-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437085
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*82.1 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437104
Chloride	ND	200	10	09/13/24	09/14/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:30:39AM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437082-BLK1)									Prepared: 09/13/24 Analyzed: 09/16/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.99*		*8.00*		*99.8*	*70-130*			
LCS (2437082-BS1)									Prepared: 09/13/24 Analyzed: 09/17/24
Benzene	4.63	0.0250	5.00		92.7	70-130			
Ethylbenzene	4.46	0.0250	5.00		89.2	70-130			
Toluene	4.57	0.0250	5.00		91.5	70-130			
o-Xylene	4.46	0.0250	5.00		89.1	70-130			
p,m-Xylene	9.08	0.0500	10.0		90.8	70-130			
Total Xylenes	13.5	0.0250	15.0		90.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.08*		*8.00*		*101*	*70-130*			
Matrix Spike (2437082-MS1)				**Source: E409104-03**					Prepared: 09/13/24 Analyzed: 09/17/24
Benzene	5.96	0.0250	5.00	ND	119	54-133			
Ethylbenzene	5.71	0.0250	5.00	ND	114	61-133			
Toluene	5.87	0.0250	5.00	ND	117	61-130			
o-Xylene	5.73	0.0250	5.00	ND	115	63-131			
p,m-Xylene	11.6	0.0500	10.0	ND	116	63-131			
Total Xylenes	17.3	0.0250	15.0	ND	115	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.09*		*8.00*		*101*	*70-130*			
Matrix Spike Dup (2437082-MSD1)				**Source: E409104-03**					Prepared: 09/13/24 Analyzed: 09/17/24
Benzene	4.97	0.0250	5.00	ND	99.4	54-133	18.2	20	
Ethylbenzene	4.78	0.0250	5.00	ND	95.5	61-133	17.9	20	
Toluene	4.89	0.0250	5.00	ND	97.8	61-130	18.2	20	
o-Xylene	4.78	0.0250	5.00	ND	95.6	63-131	18.2	20	
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	63-131	17.5	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.6	63-131	17.7	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.07*		*8.00*		*101*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:30:39AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437082-BLK1)									Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.46*		*8.00*		*93.3*	*70-130*			
LCS (2437082-BS2)									Prepared: 09/13/24 Analyzed: 09/17/24
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.9*	*70-130*			
Matrix Spike (2437082-MS2)				**Source: E409104-03**					Prepared: 09/13/24 Analyzed: 09/17/24
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0	ND	85.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.60*		*8.00*		*95.0*	*70-130*			
Matrix Spike Dup (2437082-MSD2)				**Source: E409104-03**					Prepared: 09/13/24 Analyzed: 09/17/24
Gasoline Range Organics (C6-C10)	40.7	20.0	50.0	ND	81.5	70-130	4.50	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.64*		*8.00*		*95.6*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:30:39AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437085-BLK1)									Prepared: 09/13/24 Analyzed: 09/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*36.6*		*50.0*		*73.2*	*50-200*			
LCS (2437085-BS1)									Prepared: 09/13/24 Analyzed: 09/16/24
Diesel Range Organics (C10-C28)	191	25.0	250		76.3	38-132			
Surrogate: n-Nonane	*35.0*		*50.0*		*70.0*	*50-200*			
Matrix Spike (2437085-MS1)				**Source: E409103-03**					Prepared: 09/13/24 Analyzed: 09/16/24
Diesel Range Organics (C10-C28)	200	25.0	250	ND	80.0	38-132			
Surrogate: n-Nonane	*37.4*		*50.0*		*74.8*	*50-200*			
Matrix Spike Dup (2437085-MSD1)				**Source: E409103-03**					Prepared: 09/13/24 Analyzed: 09/16/24
Diesel Range Organics (C10-C28)	192	25.0	250	ND	76.7	38-132	4.19	20	
Surrogate: n-Nonane	*33.8*		*50.0*		*67.7*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	2/13/2025 9:30:39AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437104-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	ND	20.0							
LCS (2437104-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2437104-MS1)				**Source: E409103-05**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	359	20.0	250	119	95.8	80-120			
Matrix Spike Dup (2437104-MSD1)				**Source: E409103-05**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	374	20.0	250	119	102	80-120	4.19	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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	02/13/25 09:30

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 9/13/2024 9:07:51AM

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:	09/13/24 07:45	Work Order ID:	E409104
Phone:	(575) 748-0176	Date Logged In:	09/12/24 13:19	Logged In By:	Caitlin Mars
Email:	anna@ensolum.com	Due Date:	09/19/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Couier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Report to:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E409105
Job Number:	01058-0007
Received:	9/13/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/25/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/25/24

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E409105
Date Received: 9/13/2024 7:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/13/2024 7:45:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH36 - 0.5’ 5
- BH36 - 4’ 6
- BH36 - 10’ 7
- BH36 - 15’ 8
- BH36 - 20’ 9
- BH36 - 25’ 10
- BH36 - 29’ 11

QC Summary Data 12

- QC - Volatile Organic Compounds by EPA8260B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	09/25/24 11:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH36 - 0.5'	E409105-01A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.
BH36 - 4'	E409105-02A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.
BH36 - 10'	E409105-03A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.
BH36 - 15'	E409105-04A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.
BH36 - 20'	E409105-05A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.
BH36 - 25'	E409105-06A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.
BH36 - 29'	E409105-07A	Soil	09/09/24	09/13/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:09:24AM

BH36 - 0.5'

E409105-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*90.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.1 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*97.2 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*90.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.1 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*97.2 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437084
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*91.5 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437105
Chloride	**41.7**	20.0	1	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:09:24AM

BH36 - 4'

E409105-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*89.2 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*96.9 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*89.2 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*96.9 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437084
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*82.8 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437105
Chloride	**64.1**	20.0	1	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:09:24AM

BH36 - 10'

E409105-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.5 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*98.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.5 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*98.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437084
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*83.5 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437105
Chloride	ND	20.0	1	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:09:24AM

BH36 - 15'

E409105-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.0 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.0 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437084
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*88.4 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437105
Chloride	ND	20.0	1	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:09:24AM

BH36 - 20'

E409105-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*86.2 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.1 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*86.2 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.1 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437084
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*87.2 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437105
Chloride	**36.4**	20.0	1	09/13/24	09/13/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:09:24AM

BH36 - 25'

E409105-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*89.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*99.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*89.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*99.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437084
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*89.4 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437105
Chloride	ND	20.0	1	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:09:24AM

BH36 - 29'

E409105-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*90.1 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*90.1 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437084
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437105
Chloride	**114**	20.0	1	09/13/24	09/14/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:09:24AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437098-BLK1)									Prepared: 09/13/24 Analyzed: 09/17/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.444*		*0.500*		*88.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.6*	*70-130*			
Surrogate: Toluene-d8	*0.495*		*0.500*		*99.0*	*70-130*			
LCS (2437098-BS1)									Prepared: 09/13/24 Analyzed: 09/18/24
Benzene	2.10	0.0250	2.50		84.0	70-130			
Ethylbenzene	2.13	0.0250	2.50		85.4	70-130			
Toluene	2.28	0.0250	2.50		91.4	70-130			
o-Xylene	2.29	0.0250	2.50		91.7	70-130			
p,m-Xylene	4.60	0.0500	5.00		92.0	70-130			
Total Xylenes	6.89	0.0250	7.50		91.9	70-130			
Surrogate: Bromofluorobenzene	*0.451*		*0.500*		*90.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.470*		*0.500*		*93.9*	*70-130*			
Surrogate: Toluene-d8	*0.493*		*0.500*		*98.5*	*70-130*			
Matrix Spike (2437098-MS1)				**Source: E409105-06**					Prepared: 09/13/24 Analyzed: 09/18/24
Benzene	2.11	0.0250	2.50	ND	84.5	48-131			
Ethylbenzene	2.16	0.0250	2.50	ND	86.5	45-135			
Toluene	2.29	0.0250	2.50	ND	91.6	48-130			
o-Xylene	2.30	0.0250	2.50	ND	91.9	43-135			
p,m-Xylene	4.61	0.0500	5.00	ND	92.1	43-135			
Total Xylenes	6.90	0.0250	7.50	ND	92.0	43-135			
Surrogate: Bromofluorobenzene	*0.446*		*0.500*		*89.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*95.9*	*70-130*			
Surrogate: Toluene-d8	*0.488*		*0.500*		*97.6*	*70-130*			
Matrix Spike Dup (2437098-MSD1)				**Source: E409105-06**					Prepared: 09/13/24 Analyzed: 09/17/24
Benzene	2.12	0.0250	2.50	ND	84.7	48-131	0.213	23	
Ethylbenzene	2.17	0.0250	2.50	ND	86.8	45-135	0.369	27	
Toluene	2.32	0.0250	2.50	ND	93.0	48-130	1.47	24	
o-Xylene	2.30	0.0250	2.50	ND	92.2	43-135	0.304	27	
p,m-Xylene	4.59	0.0500	5.00	ND	91.8	43-135	0.304	27	
Total Xylenes	6.90	0.0250	7.50	ND	91.9	43-135	0.101	27	
Surrogate: Bromofluorobenzene	*0.450*		*0.500*		*90.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: Toluene-d8	*0.501*		*0.500*		*100*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:09:24AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437098-BLK1)									Prepared: 09/13/24 Analyzed: 09/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.444*		*0.500*		*88.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.6*	*70-130*			
Surrogate: Toluene-d8	*0.495*		*0.500*		*99.0*	*70-130*			
LCS (2437098-BS2)									Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0		89.5	70-130			
Surrogate: Bromofluorobenzene	*0.452*		*0.500*		*90.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.472*		*0.500*		*94.3*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			
Matrix Spike (2437098-MS2)				**Source: E409105-06**					Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	ND	86.1	70-130			
Surrogate: Bromofluorobenzene	*0.459*		*0.500*		*91.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.466*		*0.500*		*93.1*	*70-130*			
Surrogate: Toluene-d8	*0.510*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2437098-MSD2)				**Source: E409105-06**					Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	41.0	20.0	50.0	ND	82.1	70-130	4.86	20	
Surrogate: Bromofluorobenzene	*0.448*		*0.500*		*89.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*95.9*	*70-130*			
Surrogate: Toluene-d8	*0.490*		*0.500*		*98.0*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:09:24AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437084-BLK1)									Prepared: 09/13/24 Analyzed: 09/17/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.2*		*50.0*		*104*	*50-200*			
LCS (2437084-BS1)									Prepared: 09/13/24 Analyzed: 09/17/24
Diesel Range Organics (C10-C28)	209	25.0	250		83.6	38-132			
Surrogate: n-Nonane	*50.7*		*50.0*		*101*	*50-200*			
Matrix Spike (2437084-MS1)				**Source: E409105-01**					Prepared: 09/13/24 Analyzed: 09/18/24
Diesel Range Organics (C10-C28)	197	25.0	250	ND	78.9	38-132			
Surrogate: n-Nonane	*51.2*		*50.0*		*102*	*50-200*			
Matrix Spike Dup (2437084-MSD1)				**Source: E409105-01**					Prepared: 09/13/24 Analyzed: 09/18/24
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	38-132	27.9	20	R3
Surrogate: n-Nonane	*47.9*		*50.0*		*95.9*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:09:24AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437105-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	ND	20.0							
LCS (2437105-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2437105-MS1)				**Source: E409105-05**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	287	20.0	250	36.4	100	80-120			
Matrix Spike Dup (2437105-MSD1)				**Source: E409105-05**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	285	20.0	250	36.4	99.5	80-120	0.716	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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	09/25/24 11:09

R3	The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

roject Information | Chain of Custody | Page __1__ of __1__

| | | |

Envirotech Analytical Laboratory

Printed: 9/13/2024 9:10:36AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	09/13/24 07:45	Work Order ID:	E409105
Phone:	(575) 748-0176	Date Logged In:	09/12/24 13:23	Logged In By:	Noe Soto
Email:	anna@ensolum.com	Due Date:	09/19/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	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 filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Report to:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E409138
Job Number:	01058-0007
Received:	9/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/24/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/24/24

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E409138
Date Received: 9/18/2024 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/18/2024 7:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH37 0.5’ 5
- BH37 4’ 6
- BH37 10’ 7
- BH37 15’ 8
- BH37 20’ 9
- BH37 25’ 10
- BH37 29’ 11

QC Summary Data 12

- QC - Volatile Organics by EPA 8021B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	09/24/24 09:10

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH37 0.5'	E409138-01A	Soil	09/11/24	09/18/24	Glass Jar, 2 oz.
BH37 4'	E409138-02A	Soil	09/11/24	09/18/24	Glass Jar, 2 oz.
BH37 10'	E409138-03A	Soil	09/11/24	09/18/24	Glass Jar, 2 oz.
BH37 15'	E409138-04A	Soil	09/11/24	09/18/24	Glass Jar, 2 oz.
BH37 20'	E409138-05A	Soil	09/11/24	09/18/24	Glass Jar, 2 oz.
BH37 25'	E409138-06A	Soil	09/11/24	09/18/24	Glass Jar, 2 oz.
BH37 29'	E409138-07A	Soil	09/11/24	09/18/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:10:28AM

BH37 0.5'

E409138-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Benzene	ND	0.0250	1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/19/24	
Toluene	ND	0.0250	1	09/18/24	09/19/24	
o-Xylene	ND	0.0250	1	09/18/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.2 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438072
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/21/24	
Surrogate: n-Nonane		*88.0 %*	*50-200*	*09/18/24*	*09/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2438061
Chloride	ND	20.0	1	09/18/24	09/18/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:10:28AM

BH37 4'

E409138-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Benzene	ND	0.0250	1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/19/24	
Toluene	ND	0.0250	1	09/18/24	09/19/24	
o-Xylene	ND	0.0250	1	09/18/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.7 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438072
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/21/24	
Surrogate: n-Nonane		*91.4 %*	*50-200*	*09/18/24*	*09/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2438061
Chloride	ND	20.0	1	09/18/24	09/18/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:10:28AM

BH37 10'

E409138-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Benzene	ND	0.0250	1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/19/24	
Toluene	ND	0.0250	1	09/18/24	09/19/24	
o-Xylene	ND	0.0250	1	09/18/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.3 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438072
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/21/24	
Surrogate: n-Nonane		*83.3 %*	*50-200*	*09/18/24*	*09/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2438061
Chloride	**50.2**	20.0	1	09/18/24	09/18/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:10:28AM

BH37 15'

E409138-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Benzene	ND	0.0250	1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/19/24	
Toluene	ND	0.0250	1	09/18/24	09/19/24	
o-Xylene	ND	0.0250	1	09/18/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.2 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438072
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/21/24	
Surrogate: n-Nonane		*86.1 %*	*50-200*	*09/18/24*	*09/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2438061
Chloride	**112**	20.0	1	09/18/24	09/18/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:10:28AM

BH37 20'

E409138-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Benzene	ND	0.0250	1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/19/24	
Toluene	ND	0.0250	1	09/18/24	09/19/24	
o-Xylene	ND	0.0250	1	09/18/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.1 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438072
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/21/24	
Surrogate: n-Nonane		*92.6 %*	*50-200*	*09/18/24*	*09/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2438061
Chloride	**81.5**	20.0	1	09/18/24	09/18/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:10:28AM

BH37 25'

E409138-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Benzene	ND	0.0250	1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/19/24	
Toluene	ND	0.0250	1	09/18/24	09/19/24	
o-Xylene	ND	0.0250	1	09/18/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.7 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438072
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/21/24	
Surrogate: n-Nonane		*84.5 %*	*50-200*	*09/18/24*	*09/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2438061
Chloride	**44.3**	20.0	1	09/18/24	09/18/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:10:28AM

BH37 29'

E409138-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Benzene	ND	0.0250	1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/19/24	
Toluene	ND	0.0250	1	09/18/24	09/19/24	
o-Xylene	ND	0.0250	1	09/18/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.5 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438072
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/21/24	
Surrogate: n-Nonane		*86.1 %*	*50-200*	*09/18/24*	*09/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2438061
Chloride	**38.3**	20.0	1	09/18/24	09/18/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:10:28AM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438056-BLK1)									Prepared: 09/18/24 Analyzed: 09/19/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.94*		*8.00*		*86.7*	*70-130*			
LCS (2438056-BS1)									Prepared: 09/18/24 Analyzed: 09/19/24
Benzene	4.73	0.0250	5.00		94.7	70-130			
Ethylbenzene	4.65	0.0250	5.00		92.9	70-130			
Toluene	4.72	0.0250	5.00		94.4	70-130			
o-Xylene	4.61	0.0250	5.00		92.2	70-130			
p,m-Xylene	9.44	0.0500	10.0		94.4	70-130			
Total Xylenes	14.1	0.0250	15.0		93.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.95*		*8.00*		*86.9*	*70-130*			
Matrix Spike (2438056-MS1)				**Source: E409138-07**					Prepared: 09/18/24 Analyzed: 09/19/24
Benzene	4.60	0.0250	5.00	ND	92.0	54-133			
Ethylbenzene	4.51	0.0250	5.00	ND	90.2	61-133			
Toluene	4.59	0.0250	5.00	ND	91.8	61-130			
o-Xylene	4.48	0.0250	5.00	ND	89.6	63-131			
p,m-Xylene	9.17	0.0500	10.0	ND	91.7	63-131			
Total Xylenes	13.7	0.0250	15.0	ND	91.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*6.84*		*8.00*		*85.5*	*70-130*			
Matrix Spike Dup (2438056-MSD1)				**Source: E409138-07**					Prepared: 09/18/24 Analyzed: 09/19/24
Benzene	4.46	0.0250	5.00	ND	89.1	54-133	3.20	20	
Ethylbenzene	4.39	0.0250	5.00	ND	87.8	61-133	2.62	20	
Toluene	4.45	0.0250	5.00	ND	89.0	61-130	3.09	20	
o-Xylene	4.36	0.0250	5.00	ND	87.1	63-131	2.86	20	
p,m-Xylene	8.92	0.0500	10.0	ND	89.2	63-131	2.70	20	
Total Xylenes	13.3	0.0250	15.0	ND	88.5	63-131	2.75	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.88*		*8.00*		*86.0*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:10:28AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438056-BLK1)									Prepared: 09/18/24 Analyzed: 09/19/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.78*		*8.00*		*97.2*	*70-130*			
LCS (2438056-BS2)									Prepared: 09/18/24 Analyzed: 09/19/24
Gasoline Range Organics (C6-C10)	38.1	20.0	50.0		76.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.85*		*8.00*		*98.1*	*70-130*			
Matrix Spike (2438056-MS2)				**Source: E409138-07**					Prepared: 09/18/24 Analyzed: 09/19/24
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0	ND	89.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.82*		*8.00*		*97.7*	*70-130*			
Matrix Spike Dup (2438056-MSD2)				**Source: E409138-07**					Prepared: 09/18/24 Analyzed: 09/19/24
Gasoline Range Organics (C6-C10)	41.6	20.0	50.0	ND	83.2	70-130	6.82	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.85*		*8.00*		*98.1*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:10:28AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438072-BLK1)									Prepared: 09/18/24 Analyzed: 09/21/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*42.6*		*50.0*		*85.2*	*50-200*			
LCS (2438072-BS1)									Prepared: 09/18/24 Analyzed: 09/21/24
Diesel Range Organics (C10-C28)	186	25.0	250		74.2	38-132			
Surrogate: n-Nonane	*46.3*		*50.0*		*92.7*	*50-200*			
LCS Dup (2438072-BSD1)									Prepared: 09/18/24 Analyzed: 09/21/24
Diesel Range Organics (C10-C28)	192	25.0	250		76.9	38-132	3.51	20	
Surrogate: n-Nonane	*47.0*		*50.0*		*94.1*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:10:28AM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438061-BLK1)									Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	ND	20.0							
LCS (2438061-BS1)									Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2438061-MS1)				**Source: E409138-03**					Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	301	20.0	250	50.2	100	80-120			
Matrix Spike Dup (2438061-MSD1)				**Source: E409138-03**					Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	311	20.0	250	50.2	104	80-120	3.27	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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	09/24/24 09:10

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information

Chain of Custody

| | | |

Envirotech Analytical Laboratory

Printed: 9/18/2024 12:40:45PM

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:	09/18/24 07:30	Work Order ID:	E409138
Phone:	(575) 748-0176	Date Logged In:	09/18/24 07:53	Logged In By:	Caitlin Mars
Email:	anna@ensolum.com	Due Date:	09/24/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Couier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Report to:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E409139
Job Number:	01058-0007
Received:	9/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/24/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/24/24

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E409139
Date Received: 9/18/2024 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/18/2024 7:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH38 0.5’ 5
- BH38 4’ 6
- BH38 10’ 7
- BH38 15’ 8
- BH38 20’ 9
- BH38 25’ 10
- BH38 29’ 11

QC Summary Data 12

- QC - Volatile Organics by EPA 8021B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	09/24/24 09:12

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH38 0.5'	E409139-01A	Soil	09/11/24	09/18/24	Glass Jar, 2 oz.
BH38 4'	E409139-02A	Soil	09/11/24	09/18/24	Glass Jar, 2 oz.
BH38 10'	E409139-03A	Soil	09/11/24	09/18/24	Glass Jar, 2 oz.
BH38 15'	E409139-04A	Soil	09/11/24	09/18/24	Glass Jar, 2 oz.
BH38 20'	E409139-05A	Soil	09/11/24	09/18/24	Glass Jar, 2 oz.
BH38 25'	E409139-06A	Soil	09/11/24	09/18/24	Glass Jar, 2 oz.
BH38 29'	E409139-07A	Soil	09/11/24	09/18/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:12:30AM

BH38 0.5'

E409139-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Benzene	ND	0.0250	1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/19/24	
Toluene	ND	0.0250	1	09/18/24	09/19/24	
o-Xylene	ND	0.0250	1	09/18/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.3 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438072
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*75.7 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2438061
Chloride	ND	20.0	1	09/18/24	09/18/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:12:30AM

BH38 4'

E409139-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Benzene	ND	0.0250	1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/19/24	
Toluene	ND	0.0250	1	09/18/24	09/19/24	
o-Xylene	ND	0.0250	1	09/18/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.1 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438072
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*82.9 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2438061
Chloride	ND	20.0	1	09/18/24	09/19/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:12:30AM

BH38 10'

E409139-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Benzene	ND	0.0250	1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/19/24	
Toluene	ND	0.0250	1	09/18/24	09/19/24	
o-Xylene	ND	0.0250	1	09/18/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.4 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438072
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*82.3 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2438061
Chloride	**116**	20.0	1	09/18/24	09/19/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:12:30AM

BH38 15'

E409139-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Benzene	ND	0.0250	1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/19/24	
Toluene	ND	0.0250	1	09/18/24	09/19/24	
o-Xylene	ND	0.0250	1	09/18/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.5 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*09/18/24*	*09/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438072
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*85.5 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2438061
Chloride	**135**	20.0	1	09/18/24	09/19/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:12:30AM

BH38 20'

E409139-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Toluene	ND	0.0250	1	09/18/24	09/20/24	
o-Xylene	ND	0.0250	1	09/18/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.0 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438072
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*82.7 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2438061
Chloride	**112**	20.0	1	09/18/24	09/19/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:12:30AM

BH38 25'

E409139-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Toluene	ND	0.0250	1	09/18/24	09/20/24	
o-Xylene	ND	0.0250	1	09/18/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.1 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438072
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*82.4 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2438061
Chloride	**45.2**	20.0	1	09/18/24	09/19/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:12:30AM

BH38 29'

E409139-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Toluene	ND	0.0250	1	09/18/24	09/20/24	
o-Xylene	ND	0.0250	1	09/18/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.3 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438072
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*85.5 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2438061
Chloride	**47.6**	20.0	1	09/18/24	09/19/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:12:30AM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438056-BLK1)									Prepared: 09/18/24 Analyzed: 09/19/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.94*		*8.00*		*86.7*	*70-130*			
LCS (2438056-BS1)									Prepared: 09/18/24 Analyzed: 09/19/24
Benzene	4.73	0.0250	5.00		94.7	70-130			
Ethylbenzene	4.65	0.0250	5.00		92.9	70-130			
Toluene	4.72	0.0250	5.00		94.4	70-130			
o-Xylene	4.61	0.0250	5.00		92.2	70-130			
p,m-Xylene	9.44	0.0500	10.0		94.4	70-130			
Total Xylenes	14.1	0.0250	15.0		93.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.95*		*8.00*		*86.9*	*70-130*			
Matrix Spike (2438056-MS1)				**Source: E409138-07**					Prepared: 09/18/24 Analyzed: 09/19/24
Benzene	4.60	0.0250	5.00	ND	92.0	54-133			
Ethylbenzene	4.51	0.0250	5.00	ND	90.2	61-133			
Toluene	4.59	0.0250	5.00	ND	91.8	61-130			
o-Xylene	4.48	0.0250	5.00	ND	89.6	63-131			
p,m-Xylene	9.17	0.0500	10.0	ND	91.7	63-131			
Total Xylenes	13.7	0.0250	15.0	ND	91.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*6.84*		*8.00*		*85.5*	*70-130*			
Matrix Spike Dup (2438056-MSD1)				**Source: E409138-07**					Prepared: 09/18/24 Analyzed: 09/19/24
Benzene	4.46	0.0250	5.00	ND	89.1	54-133	3.20	20	
Ethylbenzene	4.39	0.0250	5.00	ND	87.8	61-133	2.62	20	
Toluene	4.45	0.0250	5.00	ND	89.0	61-130	3.09	20	
o-Xylene	4.36	0.0250	5.00	ND	87.1	63-131	2.86	20	
p,m-Xylene	8.92	0.0500	10.0	ND	89.2	63-131	2.70	20	
Total Xylenes	13.3	0.0250	15.0	ND	88.5	63-131	2.75	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.88*		*8.00*		*86.0*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:12:30AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438056-BLK1)									Prepared: 09/18/24 Analyzed: 09/19/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.78*		*8.00*		*97.2*	*70-130*			
LCS (2438056-BS2)									Prepared: 09/18/24 Analyzed: 09/19/24
Gasoline Range Organics (C6-C10)	38.1	20.0	50.0		76.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.85*		*8.00*		*98.1*	*70-130*			
Matrix Spike (2438056-MS2)				**Source: E409138-07**					Prepared: 09/18/24 Analyzed: 09/19/24
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0	ND	89.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.82*		*8.00*		*97.7*	*70-130*			
Matrix Spike Dup (2438056-MSD2)				**Source: E409138-07**					Prepared: 09/18/24 Analyzed: 09/19/24
Gasoline Range Organics (C6-C10)	41.6	20.0	50.0	ND	83.2	70-130	6.82	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.85*		*8.00*		*98.1*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:12:30AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438072-BLK1)									Prepared: 09/18/24 Analyzed: 09/21/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*42.6*		*50.0*		*85.2*	*50-200*			
LCS (2438072-BS1)									Prepared: 09/18/24 Analyzed: 09/21/24
Diesel Range Organics (C10-C28)	186	25.0	250		74.2	38-132			
Surrogate: n-Nonane	*46.3*		*50.0*		*92.7*	*50-200*			
LCS Dup (2438072-BSD1)									Prepared: 09/18/24 Analyzed: 09/21/24
Diesel Range Organics (C10-C28)	192	25.0	250		76.9	38-132	3.51	20	
Surrogate: n-Nonane	*47.0*		*50.0*		*94.1*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/24/2024 9:12:30AM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438061-BLK1)									Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	ND	20.0							
LCS (2438061-BS1)									Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2438061-MS1)				**Source: E409138-03**					Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	301	20.0	250	50.2	100	80-120			
Matrix Spike Dup (2438061-MSD1)				**Source: E409138-03**					Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	311	20.0	250	50.2	104	80-120	3.27	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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	09/24/24 09:12

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: Devon Energy Production Co LP	Bill To	Lab Use Only	TAT / EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E409139	Job Number 1D058-0007
Project Manager: Anna Byers	Address: 5315 Buena Vista Dr.	1D:	2D: 3D: Standard: 5 day TAT
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220	Analysis and Method	EPA Program: CWA, SDWA, RCRA
City, State, Zip Odessa,TX, 79765	Phone: 575-885-7502		State: NM, CO, UT, AZ, TX
Phone: 432-305-6415	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WO: 21196155		
	Incident ID: nAPP2223636403		
Collected by: Edyte Konan			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
13:40	09.11.24	S	1	BH38	1	0.5'								X				
13:50	09.11.24	S	1	BH38	2	4'								X				
14:00	09.11.24	S	1	BH38	3	10'								X				
14:10	09.11.24	S	1	BH38	4	15'								X				
14:20	09.11.24	S	1	BH38	5	20'								X				
14:30	09.11.24	S	1	BH38	6	25'								X				
14:40	09.11.24	S	1	BH38	7	29'								X				

09/13/24

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: EK

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
[signature]	09/13/24	14:30	Michelle Gonzales	9-13-24	1430
Michelle Gonzales	9-13-24	1700	[signature]	9.13.24	7:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 9/18/2024 12:43:24PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	09/18/24 07:30	Work Order ID:	E409139
Phone:	(575) 748-0176	Date Logged In:	09/18/24 07:55	Logged In By:	Caitlin Mars
Email:	anna@ensolum.com	Due Date:	09/24/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Couier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Report to:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E409140
Job Number:	01058-0007
Received:	9/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/23/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/23/24

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E409140
Date Received: 9/18/2024 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/18/2024 7:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH39 0.5’ 5
- BH39 4’ 6
- BH39 10’ 7
- BH39 15’ 8
- BH39 20’ 9
- BH39 25’ 10
- BH39 29’ 11

QC Summary Data 12

- QC - Volatile Organics by EPA 8021B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	09/23/24 13:51

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH39 0.5'	E409140-01A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH39 4'	E409140-02A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH39 10'	E409140-03A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH39 15'	E409140-04A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH39 20'	E409140-05A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH39 25'	E409140-06A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH39 29'	E409140-07A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:51:28PM

BH39 0.5'

E409140-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Toluene	ND	0.0250	1	09/18/24	09/20/24	
o-Xylene	ND	0.0250	1	09/18/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2438073
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*99.6 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2438064
Chloride	ND	20.0	1	09/18/24	09/18/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:51:28PM

BH39 4'

E409140-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Toluene	ND	0.0250	1	09/18/24	09/20/24	
o-Xylene	ND	0.0250	1	09/18/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.3 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2438073
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*89.7 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2438064
Chloride	**73.1**	20.0	1	09/18/24	09/18/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:51:28PM

BH39 10'

E409140-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Toluene	ND	0.0250	1	09/18/24	09/20/24	
o-Xylene	ND	0.0250	1	09/18/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2438073
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*94.5 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2438064
Chloride	**76.3**	20.0	1	09/18/24	09/18/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:51:28PM

BH39 15'

E409140-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Toluene	ND	0.0250	1	09/18/24	09/20/24	
o-Xylene	ND	0.0250	1	09/18/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2438073
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2438064
Chloride	**73.6**	20.0	1	09/18/24	09/18/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:51:28PM

BH39 20'

E409140-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Toluene	ND	0.0250	1	09/18/24	09/20/24	
o-Xylene	ND	0.0250	1	09/18/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2438073
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*92.1 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2438064
Chloride	**178**	20.0	1	09/18/24	09/18/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:51:28PM

BH39 25'

E409140-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Toluene	ND	0.0250	1	09/18/24	09/20/24	
o-Xylene	ND	0.0250	1	09/18/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2438073
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*95.2 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2438064
Chloride	**34.0**	20.0	1	09/18/24	09/19/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:51:28PM

BH39 29'

E409140-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Toluene	ND	0.0250	1	09/18/24	09/20/24	
o-Xylene	ND	0.0250	1	09/18/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2438073
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*91.6 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2438064
Chloride	**42.4**	20.0	1	09/18/24	09/19/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:51:28PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438057-BLK1)									Prepared: 09/18/24 Analyzed: 09/20/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.74*		*8.00*		*96.8*	*70-130*			
LCS (2438057-BS1)									Prepared: 09/18/24 Analyzed: 09/20/24
Benzene	5.24	0.0250	5.00		105	70-130			
Ethylbenzene	5.19	0.0250	5.00		104	70-130			
Toluene	5.26	0.0250	5.00		105	70-130			
o-Xylene	5.20	0.0250	5.00		104	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.9*	*70-130*			
Matrix Spike (2438057-MS1)				**Source: E409140-05**					Prepared: 09/18/24 Analyzed: 09/20/24
Benzene	5.40	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.35	0.0250	5.00	ND	107	61-133			
Toluene	5.43	0.0250	5.00	ND	109	61-130			
o-Xylene	5.37	0.0250	5.00	ND	107	63-131			
p,m-Xylene	10.8	0.0500	10.0	ND	108	63-131			
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.74*		*8.00*		*96.7*	*70-130*			
Matrix Spike Dup (2438057-MSD1)				**Source: E409140-05**					Prepared: 09/18/24 Analyzed: 09/20/24
Benzene	5.35	0.0250	5.00	ND	107	54-133	0.922	20	
Ethylbenzene	5.31	0.0250	5.00	ND	106	61-133	0.810	20	
Toluene	5.38	0.0250	5.00	ND	108	61-130	0.938	20	
o-Xylene	5.32	0.0250	5.00	ND	106	63-131	0.979	20	
p,m-Xylene	10.8	0.0500	10.0	ND	108	63-131	0.670	20	
Total Xylenes	16.1	0.0250	15.0	ND	107	63-131	0.772	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.70*		*8.00*		*96.2*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:51:28PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438057-BLK1)									Prepared: 09/18/24 Analyzed: 09/20/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.3*	*70-130*			
LCS (2438057-BS2)									Prepared: 09/18/24 Analyzed: 09/20/24
Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		94.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.56*		*8.00*		*94.5*	*70-130*			
Matrix Spike (2438057-MS2)				**Source: E409140-05**					Prepared: 09/18/24 Analyzed: 09/20/24
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.61*		*8.00*		*95.1*	*70-130*			
Matrix Spike Dup (2438057-MSD2)				**Source: E409140-05**					Prepared: 09/18/24 Analyzed: 09/20/24
Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	95.0	70-130	0.144	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.57*		*8.00*		*94.6*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:51:28PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438073-BLK1)									Prepared: 09/18/24 Analyzed: 09/22/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.4*		*50.0*		*92.8*	*50-200*			
LCS (2438073-BS1)									Prepared: 09/18/24 Analyzed: 09/22/24
Diesel Range Organics (C10-C28)	184	25.0	250		73.6	38-132			
Surrogate: n-Nonane	*50.1*		*50.0*		*100*	*50-200*			
LCS Dup (2438073-BSD1)									Prepared: 09/18/24 Analyzed: 09/22/24
Diesel Range Organics (C10-C28)	189	25.0	250		75.6	38-132	2.70	20	
Surrogate: n-Nonane	*49.2*		*50.0*		*98.4*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:51:28PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438064-BLK1)									Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	ND	20.0							
LCS (2438064-BS1)									Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2438064-MS1)				**Source: E409140-01**					Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	282	20.0	250	ND	113	80-120			
Matrix Spike Dup (2438064-MSD1)				**Source: E409140-01**					Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	283	20.0	250	ND	113	80-120	0.158	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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	09/23/24 13:51

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 9/18/2024 1:06:00PM

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:	09/18/24 07:30	Work Order ID:	E409140
Phone:	(575) 748-0176	Date Logged In:	09/18/24 07:57	Logged In By:	Caitlin Mars
Email:	anna@ensolum.com	Due Date:	09/24/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Couier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Report to:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E409141
Job Number:	01058-0007
Received:	9/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/23/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/23/24

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E409141
Date Received: 9/18/2024 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/18/2024 7:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Cell: 775-287-1762
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH40 0.5’ 5
- BH40 4’ 6
- BH40 10’ 7
- BH40 15’ 8
- BH40 20’ 9
- BH40 25’ 10
- BH40 29’ 11

QC Summary Data 12

- QC - Volatile Organics by EPA 8021B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	09/23/24 13:54

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH40 0.5'	E409141-01A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH40 4'	E409141-02A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH40 10'	E409141-03A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH40 15'	E409141-04A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH40 20'	E409141-05A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH40 25'	E409141-06A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH40 29'	E409141-07A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:54:54PM

BH40 0.5'

E409141-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Toluene	ND	0.0250	1	09/18/24	09/20/24	
o-Xylene	ND	0.0250	1	09/18/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2438073
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*91.8 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2438064
Chloride	ND	20.0	1	09/18/24	09/19/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:54:54PM

BH40 4'

E409141-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Toluene	ND	0.0250	1	09/18/24	09/20/24	
o-Xylene	ND	0.0250	1	09/18/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2438073
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*97.5 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2438064
Chloride	**176**	20.0	1	09/18/24	09/19/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:54:54PM

BH40 10'

E409141-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Toluene	ND	0.0250	1	09/18/24	09/20/24	
o-Xylene	ND	0.0250	1	09/18/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2438073
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*92.6 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2438064
Chloride	**184**	20.0	1	09/18/24	09/19/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:54:54PM

BH40 15'

E409141-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Toluene	ND	0.0250	1	09/18/24	09/20/24	
o-Xylene	ND	0.0250	1	09/18/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2438073
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*91.4 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2438064
Chloride	**188**	20.0	1	09/18/24	09/19/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:54:54PM

BH40 20'

E409141-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Toluene	ND	0.0250	1	09/18/24	09/20/24	
o-Xylene	ND	0.0250	1	09/18/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2438073
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*90.9 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2438064
Chloride	**135**	20.0	1	09/18/24	09/19/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:54:54PM

BH40 25'

E409141-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Toluene	ND	0.0250	1	09/18/24	09/20/24	
o-Xylene	ND	0.0250	1	09/18/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2438073
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*94.6 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2438064
Chloride	**181**	20.0	1	09/18/24	09/19/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:54:54PM

BH40 29'

E409141-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Toluene	ND	0.0250	1	09/18/24	09/20/24	
o-Xylene	ND	0.0250	1	09/18/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2438057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.0 %*	*70-130*	*09/18/24*	*09/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2438073
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		*89.1 %*	*50-200*	*09/18/24*	*09/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2438064
Chloride	**35.3**	20.0	1	09/18/24	09/19/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:54:54PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438057-BLK1)									Prepared: 09/18/24 Analyzed: 09/20/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.74*		*8.00*		*96.8*	*70-130*			
LCS (2438057-BS1)									Prepared: 09/18/24 Analyzed: 09/20/24
Benzene	5.24	0.0250	5.00		105	70-130			
Ethylbenzene	5.19	0.0250	5.00		104	70-130			
Toluene	5.26	0.0250	5.00		105	70-130			
o-Xylene	5.20	0.0250	5.00		104	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.9*	*70-130*			
Matrix Spike (2438057-MS1)				**Source: E409140-05**					Prepared: 09/18/24 Analyzed: 09/20/24
Benzene	5.40	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.35	0.0250	5.00	ND	107	61-133			
Toluene	5.43	0.0250	5.00	ND	109	61-130			
o-Xylene	5.37	0.0250	5.00	ND	107	63-131			
p,m-Xylene	10.8	0.0500	10.0	ND	108	63-131			
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.74*		*8.00*		*96.7*	*70-130*			
Matrix Spike Dup (2438057-MSD1)				**Source: E409140-05**					Prepared: 09/18/24 Analyzed: 09/20/24
Benzene	5.35	0.0250	5.00	ND	107	54-133	0.922	20	
Ethylbenzene	5.31	0.0250	5.00	ND	106	61-133	0.810	20	
Toluene	5.38	0.0250	5.00	ND	108	61-130	0.938	20	
o-Xylene	5.32	0.0250	5.00	ND	106	63-131	0.979	20	
p,m-Xylene	10.8	0.0500	10.0	ND	108	63-131	0.670	20	
Total Xylenes	16.1	0.0250	15.0	ND	107	63-131	0.772	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.70*		*8.00*		*96.2*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:54:54PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438057-BLK1)									Prepared: 09/18/24 Analyzed: 09/20/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.3*	*70-130*			
LCS (2438057-BS2)									Prepared: 09/18/24 Analyzed: 09/20/24
Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		94.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.56*		*8.00*		*94.5*	*70-130*			
Matrix Spike (2438057-MS2)				**Source: E409140-05**					Prepared: 09/18/24 Analyzed: 09/20/24
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.61*		*8.00*		*95.1*	*70-130*			
Matrix Spike Dup (2438057-MSD2)				**Source: E409140-05**					Prepared: 09/18/24 Analyzed: 09/20/24
Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	95.0	70-130	0.144	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.57*		*8.00*		*94.6*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:54:54PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438073-BLK1)									Prepared: 09/18/24 Analyzed: 09/22/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.4*		*50.0*		*92.8*	*50-200*			
LCS (2438073-BS1)									Prepared: 09/18/24 Analyzed: 09/22/24
Diesel Range Organics (C10-C28)	184	25.0	250		73.6	38-132			
Surrogate: n-Nonane	*50.1*		*50.0*		*100*	*50-200*			
LCS Dup (2438073-BSD1)									Prepared: 09/18/24 Analyzed: 09/22/24
Diesel Range Organics (C10-C28)	189	25.0	250		75.6	38-132	2.70	20	
Surrogate: n-Nonane	*49.2*		*50.0*		*98.4*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 1:54:54PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438064-BLK1)									Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	ND	20.0							
LCS (2438064-BS1)									Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2438064-MS1)				**Source: E409140-01**					Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	282	20.0	250	ND	113	80-120			
Matrix Spike Dup (2438064-MSD1)				**Source: E409140-01**					Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	283	20.0	250	ND	113	80-120	0.158	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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	09/23/24 13:54

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

Client: Devon Energy Production Co LP	Bill To	Lab Use Only
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E409141
Project Manager: Anna Byers	Address: 5315 Buena Vista Dr.	Job Number 01058.0007
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220	
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502	
Phone: 432-305-6415	Email: jim.raley@dvn.com	
Email: Devon-team@etechenv.com	WO: 21196155	
	Incident ID: nAPP2223636403	
Collected by: Edyte Konan		

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
			5 day TAT		
					RCRA

State: NM x | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
9:10	09.12.24	S	1	BH40	1	0.5'						x		
9:20	09.12.24	S	1	BH40	2	4'						x		
9:30	09.12.24	S	1	BH40	3	10'						x		
9:40	09.12.24	S	1	BH40	4	15'						x		
9:50	09.12.24	S	1	BH40	5	20'						x		
10:00	09.12.24	S	1	BH40	6	25'						x		
10:10	09.12.24	S	1	BH40	7	29'						x		

09/13/2024

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: EK

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
[signature]	09/13/24	14:30	Michelle Gonzales	9-13-24	1430
Michelle Gonzales	9-13-24	1700	[signature]	9.18.24	7:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 9/18/2024 1:07:31PM

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:	09/18/24 07:30	Work Order ID:	E409141
Phone:	(575) 748-0176	Date Logged In:	09/18/24 07:58	Logged In By:	Caitlin Mars
Email:	anna@ensolum.com	Due Date:	09/24/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Couier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Report to:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E409142
Job Number:	01058-0007
Received:	9/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/23/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/23/24

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E409142
Date Received: 9/18/2024 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/18/2024 7:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH41 0.5’ 5
- BH41 4’ 6
- BH41 10’ 7
- BH41 15’ 8
- BH41 20’ 9
- BH41 25’ 10
- BH41 29’ 11

QC Summary Data 12

- QC - Volatile Organics by EPA 8021B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	09/23/24 15:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH41 0.5'	E409142-01A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH41 4'	E409142-02A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH41 10'	E409142-03A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH41 15'	E409142-04A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH41 20'	E409142-05A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH41 25'	E409142-06A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH41 29'	E409142-07A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:25:55PM

BH41 0.5'

E409142-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Benzene	ND	0.0250	1	09/18/24	09/21/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/21/24	
Toluene	ND	0.0250	1	09/18/24	09/21/24	
o-Xylene	ND	0.0250	1	09/18/24	09/21/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/21/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.5 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438074
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		*99.4 %*	*50-200*	*09/18/24*	*09/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2438071
Chloride	ND	20.0	1	09/18/24	09/18/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:25:55PM

BH41 4'

E409142-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Benzene	ND	0.0250	1	09/18/24	09/21/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/21/24	
Toluene	ND	0.0250	1	09/18/24	09/21/24	
o-Xylene	ND	0.0250	1	09/18/24	09/21/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/21/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438074
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		*92.0 %*	*50-200*	*09/18/24*	*09/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2438071
Chloride	**39.8**	20.0	1	09/18/24	09/18/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:25:55PM

BH41 10'

E409142-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Benzene	ND	0.0250	1	09/18/24	09/21/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/21/24	
Toluene	ND	0.0250	1	09/18/24	09/21/24	
o-Xylene	ND	0.0250	1	09/18/24	09/21/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/21/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.3 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438074
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*09/18/24*	*09/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2438071
Chloride	**40.7**	20.0	1	09/18/24	09/18/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:25:55PM

BH41 15'

E409142-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Benzene	ND	0.0250	1	09/18/24	09/21/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/21/24	
Toluene	ND	0.0250	1	09/18/24	09/21/24	
o-Xylene	ND	0.0250	1	09/18/24	09/21/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/21/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.1 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438074
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		*94.8 %*	*50-200*	*09/18/24*	*09/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2438071
Chloride	**187**	20.0	1	09/18/24	09/18/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:25:55PM

BH41 20'

E409142-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Benzene	ND	0.0250	1	09/18/24	09/21/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/21/24	
Toluene	ND	0.0250	1	09/18/24	09/21/24	
o-Xylene	ND	0.0250	1	09/18/24	09/21/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/21/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438074
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		*95.9 %*	*50-200*	*09/18/24*	*09/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2438071
Chloride	**94.8**	20.0	1	09/18/24	09/18/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:25:55PM

BH41 25'

E409142-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Benzene	ND	0.0250	1	09/18/24	09/21/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/21/24	
Toluene	ND	0.0250	1	09/18/24	09/21/24	
o-Xylene	ND	0.0250	1	09/18/24	09/21/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/21/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438074
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		*98.0 %*	*50-200*	*09/18/24*	*09/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2438071
Chloride	**114**	20.0	1	09/18/24	09/18/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:25:55PM

BH41 29'

E409142-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Benzene	ND	0.0250	1	09/18/24	09/21/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/21/24	
Toluene	ND	0.0250	1	09/18/24	09/21/24	
o-Xylene	ND	0.0250	1	09/18/24	09/21/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/21/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.9 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438074
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		*88.3 %*	*50-200*	*09/18/24*	*09/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2438071
Chloride	**106**	20.0	1	09/18/24	09/18/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:25:55PM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438058-BLK1)									Prepared: 09/18/24 Analyzed: 09/21/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.25*		*8.00*		*90.6*	*70-130*			
LCS (2438058-BS1)									Prepared: 09/18/24 Analyzed: 09/21/24
Benzene	4.45	0.0250	5.00		89.1	70-130			
Ethylbenzene	4.51	0.0250	5.00		90.2	70-130			
Toluene	4.55	0.0250	5.00		90.9	70-130			
o-Xylene	4.51	0.0250	5.00		90.2	70-130			
p,m-Xylene	9.16	0.0500	10.0		91.6	70-130			
Total Xylenes	13.7	0.0250	15.0		91.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.28*		*8.00*		*91.0*	*70-130*			
Matrix Spike (2438058-MS1)				**Source: E409142-06**					Prepared: 09/18/24 Analyzed: 09/21/24
Benzene	4.52	0.0250	5.00	ND	90.4	54-133			
Ethylbenzene	4.57	0.0250	5.00	ND	91.5	61-133			
Toluene	4.61	0.0250	5.00	ND	92.2	61-130			
o-Xylene	4.58	0.0250	5.00	ND	91.6	63-131			
p,m-Xylene	9.31	0.0500	10.0	ND	93.1	63-131			
Total Xylenes	13.9	0.0250	15.0	ND	92.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.30*		*8.00*		*91.3*	*70-130*			
Matrix Spike Dup (2438058-MSD1)				**Source: E409142-06**					Prepared: 09/18/24 Analyzed: 09/21/24
Benzene	4.56	0.0250	5.00	ND	91.3	54-133	0.976	20	
Ethylbenzene	4.63	0.0250	5.00	ND	92.6	61-133	1.25	20	
Toluene	4.67	0.0250	5.00	ND	93.4	61-130	1.27	20	
o-Xylene	4.65	0.0250	5.00	ND	93.0	63-131	1.51	20	
p,m-Xylene	9.39	0.0500	10.0	ND	93.9	63-131	0.955	20	
Total Xylenes	14.0	0.0250	15.0	ND	93.6	63-131	1.14	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.28*		*8.00*		*91.1*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:25:55PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438058-BLK1)									Prepared: 09/18/24 Analyzed: 09/21/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.9*	*70-130*			
LCS (2438058-BS2)									Prepared: 09/18/24 Analyzed: 09/21/24
Gasoline Range Organics (C6-C10)	42.9	20.0	50.0		85.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.5*	*70-130*			
Matrix Spike (2438058-MS2)				**Source: E409142-06**					Prepared: 09/18/24 Analyzed: 09/21/24
Gasoline Range Organics (C6-C10)	36.8	20.0	50.0	ND	73.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.3*	*70-130*			
Matrix Spike Dup (2438058-MSD2)				**Source: E409142-06**					Prepared: 09/18/24 Analyzed: 09/21/24
Gasoline Range Organics (C6-C10)	40.9	20.0	50.0	ND	81.8	70-130	10.7	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.89*		*8.00*		*98.6*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:25:55PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438074-BLK1)									Prepared: 09/18/24 Analyzed: 09/20/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.4*		*50.0*		*96.7*	*50-200*			
LCS (2438074-BS1)									Prepared: 09/18/24 Analyzed: 09/20/24
Diesel Range Organics (C10-C28)	188	25.0	250		75.0	38-132			
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*50-200*			
LCS Dup (2438074-BSD1)									Prepared: 09/18/24 Analyzed: 09/20/24
Diesel Range Organics (C10-C28)	197	25.0	250		78.7	38-132	4.75	20	
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:25:55PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438071-BLK1)									Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	ND	20.0							
LCS (2438071-BS1)									Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2438071-MS1)				**Source: E409142-02**					Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	284	20.0	250	39.8	97.5	80-120			
Matrix Spike Dup (2438071-MSD1)				**Source: E409142-02**					Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	289	20.0	250	39.8	99.6	80-120	1.77	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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	09/23/24 15:25

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 9/18/2024 1:09:49PM

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:	09/18/24 07:30	Work Order ID:	E409142
Phone:	(575) 748-0176	Date Logged In:	09/18/24 08:00	Logged In By:	Caitlin Mars
Email:	anna@ensolum.com	Due Date:	09/24/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Couier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Report to:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E409143
Job Number:	01058-0007
Received:	9/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/23/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/23/24

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E409143
Date Received: 9/18/2024 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/18/2024 7:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH42 0.5’ 5
- BH42 4’ 6
- BH42 10’ 7
- BH42 15’ 8
- BH42 20’ 9
- BH42 25’ 10
- BH42 29’ 11

QC Summary Data 12

- QC - Volatile Organics by EPA 8021B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	09/23/24 15:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH42 0.5'	E409143-01A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH42 4'	E409143-02A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH42 10'	E409143-03A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH42 15'	E409143-04A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH42 20'	E409143-05A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH42 25'	E409143-06A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.
BH42 29'	E409143-07A	Soil	09/12/24	09/18/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:19:42PM

BH42 0.5'

E409143-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Benzene	ND	0.0250	1	09/18/24	09/21/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/21/24	
Toluene	ND	0.0250	1	09/18/24	09/21/24	
o-Xylene	ND	0.0250	1	09/18/24	09/21/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/21/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.2 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438074
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		*98.5 %*	*50-200*	*09/18/24*	*09/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2438071
Chloride	**22.1**	20.0	1	09/18/24	09/18/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:19:42PM

BH42 4'

E409143-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Benzene	ND	0.0250	1	09/18/24	09/21/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/21/24	
Toluene	ND	0.0250	1	09/18/24	09/21/24	
o-Xylene	ND	0.0250	1	09/18/24	09/21/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/21/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.0 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438074
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		*99.9 %*	*50-200*	*09/18/24*	*09/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2438071
Chloride	**191**	20.0	1	09/18/24	09/19/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:19:42PM

BH42 10'

E409143-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Benzene	ND	0.0250	1	09/18/24	09/21/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/21/24	
Toluene	ND	0.0250	1	09/18/24	09/21/24	
o-Xylene	ND	0.0250	1	09/18/24	09/21/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/21/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.7 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438074
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		*88.3 %*	*50-200*	*09/18/24*	*09/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2438071
Chloride	**35.3**	20.0	1	09/18/24	09/19/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:19:42PM

BH42 15'

E409143-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Benzene	ND	0.0250	1	09/18/24	09/21/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/21/24	
Toluene	ND	0.0250	1	09/18/24	09/21/24	
o-Xylene	ND	0.0250	1	09/18/24	09/21/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/21/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.6 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438074
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		*96.3 %*	*50-200*	*09/18/24*	*09/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2438071
Chloride	**71.5**	20.0	1	09/18/24	09/19/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:19:42PM

BH42 20'

E409143-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Benzene	ND	0.0250	1	09/18/24	09/21/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/21/24	
Toluene	ND	0.0250	1	09/18/24	09/21/24	
o-Xylene	ND	0.0250	1	09/18/24	09/21/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/21/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438074
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		*98.2 %*	*50-200*	*09/18/24*	*09/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2438071
Chloride	**149**	20.0	1	09/18/24	09/19/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:19:42PM

BH42 25'

E409143-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Benzene	ND	0.0250	1	09/18/24	09/21/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/21/24	
Toluene	ND	0.0250	1	09/18/24	09/21/24	
o-Xylene	ND	0.0250	1	09/18/24	09/21/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/21/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.8 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438074
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		*96.7 %*	*50-200*	*09/18/24*	*09/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2438071
Chloride	**184**	20.0	1	09/18/24	09/19/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:19:42PM

BH42 29'

E409143-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Benzene	ND	0.0250	1	09/18/24	09/21/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/21/24	
Toluene	ND	0.0250	1	09/18/24	09/21/24	
o-Xylene	ND	0.0250	1	09/18/24	09/21/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/21/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.6 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*	*70-130*	*09/18/24*	*09/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2438074
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		*95.2 %*	*50-200*	*09/18/24*	*09/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2438071
Chloride	**113**	20.0	1	09/18/24	09/19/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:19:42PM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438058-BLK1)									Prepared: 09/18/24 Analyzed: 09/21/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.25*		*8.00*		*90.6*	*70-130*			
LCS (2438058-BS1)									Prepared: 09/18/24 Analyzed: 09/21/24
Benzene	4.45	0.0250	5.00		89.1	70-130			
Ethylbenzene	4.51	0.0250	5.00		90.2	70-130			
Toluene	4.55	0.0250	5.00		90.9	70-130			
o-Xylene	4.51	0.0250	5.00		90.2	70-130			
p,m-Xylene	9.16	0.0500	10.0		91.6	70-130			
Total Xylenes	13.7	0.0250	15.0		91.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.28*		*8.00*		*91.0*	*70-130*			
Matrix Spike (2438058-MS1)				**Source: E409142-06**					Prepared: 09/18/24 Analyzed: 09/21/24
Benzene	4.52	0.0250	5.00	ND	90.4	54-133			
Ethylbenzene	4.57	0.0250	5.00	ND	91.5	61-133			
Toluene	4.61	0.0250	5.00	ND	92.2	61-130			
o-Xylene	4.58	0.0250	5.00	ND	91.6	63-131			
p,m-Xylene	9.31	0.0500	10.0	ND	93.1	63-131			
Total Xylenes	13.9	0.0250	15.0	ND	92.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.30*		*8.00*		*91.3*	*70-130*			
Matrix Spike Dup (2438058-MSD1)				**Source: E409142-06**					Prepared: 09/18/24 Analyzed: 09/21/24
Benzene	4.56	0.0250	5.00	ND	91.3	54-133	0.976	20	
Ethylbenzene	4.63	0.0250	5.00	ND	92.6	61-133	1.25	20	
Toluene	4.67	0.0250	5.00	ND	93.4	61-130	1.27	20	
o-Xylene	4.65	0.0250	5.00	ND	93.0	63-131	1.51	20	
p,m-Xylene	9.39	0.0500	10.0	ND	93.9	63-131	0.955	20	
Total Xylenes	14.0	0.0250	15.0	ND	93.6	63-131	1.14	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.28*		*8.00*		*91.1*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:19:42PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438058-BLK1)									Prepared: 09/18/24 Analyzed: 09/21/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.9*	*70-130*			
LCS (2438058-BS2)									Prepared: 09/18/24 Analyzed: 09/21/24
Gasoline Range Organics (C6-C10)	42.9	20.0	50.0		85.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.5*	*70-130*			
Matrix Spike (2438058-MS2)				**Source: E409142-06**					Prepared: 09/18/24 Analyzed: 09/21/24
Gasoline Range Organics (C6-C10)	36.8	20.0	50.0	ND	73.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.3*	*70-130*			
Matrix Spike Dup (2438058-MSD2)				**Source: E409142-06**					Prepared: 09/18/24 Analyzed: 09/21/24
Gasoline Range Organics (C6-C10)	40.9	20.0	50.0	ND	81.8	70-130	10.7	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.89*		*8.00*		*98.6*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:19:42PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438074-BLK1)									Prepared: 09/18/24 Analyzed: 09/20/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.4*		*50.0*		*96.7*	*50-200*			
LCS (2438074-BS1)									Prepared: 09/18/24 Analyzed: 09/20/24
Diesel Range Organics (C10-C28)	188	25.0	250		75.0	38-132			
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*50-200*			
LCS Dup (2438074-BSD1)									Prepared: 09/18/24 Analyzed: 09/20/24
Diesel Range Organics (C10-C28)	197	25.0	250		78.7	38-132	4.75	20	
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/23/2024 3:19:42PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2438071-BLK1)									Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	ND	20.0							
LCS (2438071-BS1)									Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2438071-MS1)				**Source: E409142-02**					Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	284	20.0	250	39.8	97.5	80-120			
Matrix Spike Dup (2438071-MSD1)				**Source: E409142-02**					Prepared: 09/18/24 Analyzed: 09/18/24
Chloride	289	20.0	250	39.8	99.6	80-120	1.77	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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	09/23/24 15:19

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

E409143

Client: Devon Energy Production Co LP	Bill To	Lab Use Only	TAT	EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E409143	Job Number 01058-0007	1D 2D 3D Standard: 5 day TAT	CWA SDWA
Project Manager: Anna Byers	Address: 5315 Buena Vista Dr.			
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220	Analysis and Method		RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502			State: NM CO UT AZ TX
Phone: 432-305-6415	Email: jim.raley@dvn.com			
Email: Devon-team@etechenv.com	WO: 21196155			
	Incident ID: nAPP2223636403			
Collected by: Edyte Konan				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
11:30	09.12.24	S	1	BH42	1	0.5'								X				
11:40	09.12.24	S	1	BH42	2	4'								X				
11:50	09.12.24	S	1	BH42	3	10'								X				
12:00	09.12.24	S	1	BH42	4	15'								X				
12:10	09.12.24	S	1	BH42	5	20'								X				
12:20	09.12.24	S	1	BH42	6	25'								X				
12:30	09.12.24	S	1	BH42	7	29'								X				

09/12/2024

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: TR

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
	09/13/24	14:30	Michelle Gonzales	9-13-24	1430
Michelle Gonzales	9-13-24	1700		9.18.24	7:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ____
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report

envirotech

Envirotech Analytical Laboratory

Printed: 9/18/2024 1:11:10PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	09/18/24 07:30	Work Order ID:	E409143
Phone:	(575) 748-0176	Date Logged In:	09/18/24 08:01	Logged In By:	Caitlin Mars
Email:	anna@ensolum.com	Due Date:	09/24/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Couier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

E409143

Client: Devon Energy Production Co LP	Bill To	Lab Use Only	TAT	EPA Program
Project: Barbados State #001 SWD	Attention: Jim Raley	Lab WO# E409143	Job Number 01058.0007	1D 2D 3D Standard: 5 day TAT	CWA SDWA
Project Manager: Anna Byers	Address: 5315 Buena Vista Dr.			
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220	Analysis and Method		RCRA
City, State, Zip Odessa,TX, 79765	Phone: 575-885-7502			State: NM CO UT AZ TX
Phone: 432-305-6415	Email: jim.raley@dvn.com			
Email: Devon-team@etechenv.com	WO: 21196155			
Collected by: Edyte Konan	Incident ID: ~~nAPP2223636403~~ nAB1619656595			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
11:30	09.12.24	S	1	BH42	1	0.5'						X		Changed
11:40	09.12.24	S	1	BH42	2	4'						X		incident #
11:50	09.12.24	S	1	BH42	3	10'						X		per Client
12:00	09.12.24	S	1	BH42	4	15'						X		9/9/24 CM
12:10	09.12.24	S	1	BH42	5	20'						X		
12:20	09.12.24	S	1	BH42	6	25'						X		
12:30	09.12.24	S	1	BH42	7	29'						X		

09/12/2024

Additional Instructions:

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. Sampled by: IR

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
[signature]	09/13/24	14330	Michelle Gonzales	9-13-24	1430
Michelle Gonzales	9-13-24	1700	[signature]	9.18.24	7:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report

envirotech

Report to:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E409106
Job Number:	01058-0007
Received:	9/13/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/25/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/25/24

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E409106
Date Received: 9/13/2024 7:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/13/2024 7:45:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH43 - 0.5’ 5
- BH43 - 4’ 6
- BH43 - 10’ 7
- BH43 - 15’ 8
- BH43 - 20’ 9
- BH43 - 25’ 10
- BH43 - 29’ 11

QC Summary Data 12

- QC - Volatile Organic Compounds by EPA8260B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	09/25/24 11:11

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH43 - 0.5'	E409106-01A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH43 - 4'	E409106-02A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH43 - 10'	E409106-03A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH43 - 15'	E409106-04A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH43 - 20'	E409106-05A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH43 - 25'	E409106-06A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.
BH43 - 29'	E409106-07A	Soil	09/10/24	09/13/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:11:05AM

BH43 - 0.5'

E409106-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*87.2 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*98.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*87.2 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*98.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437084
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*91.3 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437105
Chloride	**107**	20.0	1	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:11:05AM

BH43 - 4'

E409106-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*85.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*98.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*85.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*98.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437084
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*93.6 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437105
Chloride	**78.8**	20.0	1	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:11:05AM

BH43 - 10'

E409106-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*87.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*98.6 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*87.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*98.6 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437084
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*83.9 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437105
Chloride	ND	200	10	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:11:05AM

BH43 - 15'

E409106-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*91.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*99.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*91.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*99.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437084
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*87.2 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437105
Chloride	ND	200	10	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:11:05AM

BH43 - 20'

E409106-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.7 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437084
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*92.8 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437105
Chloride	ND	200	10	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:11:05AM

BH43 - 25'

E409106-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*98.0 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*98.0 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437084
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*88.3 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437105
Chloride	ND	200	10	09/13/24	09/14/24	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:11:05AM

BH43 - 29'

E409106-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Benzene	ND	0.0250	1	09/13/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/17/24	
Toluene	ND	0.0250	1	09/13/24	09/17/24	
o-Xylene	ND	0.0250	1	09/13/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.0 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*99.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437098
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/17/24	
Surrogate: Bromofluorobenzene		*88.0 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*09/13/24*	*09/17/24*	
Surrogate: Toluene-d8		*99.3 %*	*70-130*	*09/13/24*	*09/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437084
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/17/24	
Surrogate: n-Nonane		*91.0 %*	*50-200*	*09/13/24*	*09/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2437105
Chloride	ND	200	10	09/13/24	09/14/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:11:05AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437098-BLK1)									Prepared: 09/13/24 Analyzed: 09/17/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.444*		*0.500*		*88.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.6*	*70-130*			
Surrogate: Toluene-d8	*0.495*		*0.500*		*99.0*	*70-130*			
LCS (2437098-BS1)									Prepared: 09/13/24 Analyzed: 09/18/24
Benzene	2.10	0.0250	2.50		84.0	70-130			
Ethylbenzene	2.13	0.0250	2.50		85.4	70-130			
Toluene	2.28	0.0250	2.50		91.4	70-130			
o-Xylene	2.29	0.0250	2.50		91.7	70-130			
p,m-Xylene	4.60	0.0500	5.00		92.0	70-130			
Total Xylenes	6.89	0.0250	7.50		91.9	70-130			
Surrogate: Bromofluorobenzene	*0.451*		*0.500*		*90.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.470*		*0.500*		*93.9*	*70-130*			
Surrogate: Toluene-d8	*0.493*		*0.500*		*98.5*	*70-130*			
Matrix Spike (2437098-MS1)				**Source: E409105-06**					Prepared: 09/13/24 Analyzed: 09/18/24
Benzene	2.11	0.0250	2.50	ND	84.5	48-131			
Ethylbenzene	2.16	0.0250	2.50	ND	86.5	45-135			
Toluene	2.29	0.0250	2.50	ND	91.6	48-130			
o-Xylene	2.30	0.0250	2.50	ND	91.9	43-135			
p,m-Xylene	4.61	0.0500	5.00	ND	92.1	43-135			
Total Xylenes	6.90	0.0250	7.50	ND	92.0	43-135			
Surrogate: Bromofluorobenzene	*0.446*		*0.500*		*89.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*95.9*	*70-130*			
Surrogate: Toluene-d8	*0.488*		*0.500*		*97.6*	*70-130*			
Matrix Spike Dup (2437098-MSD1)				**Source: E409105-06**					Prepared: 09/13/24 Analyzed: 09/17/24
Benzene	2.12	0.0250	2.50	ND	84.7	48-131	0.213	23	
Ethylbenzene	2.17	0.0250	2.50	ND	86.8	45-135	0.369	27	
Toluene	2.32	0.0250	2.50	ND	93.0	48-130	1.47	24	
o-Xylene	2.30	0.0250	2.50	ND	92.2	43-135	0.304	27	
p,m-Xylene	4.59	0.0500	5.00	ND	91.8	43-135	0.304	27	
Total Xylenes	6.90	0.0250	7.50	ND	91.9	43-135	0.101	27	
Surrogate: Bromofluorobenzene	*0.450*		*0.500*		*90.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: Toluene-d8	*0.501*		*0.500*		*100*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:11:05AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437098-BLK1)									Prepared: 09/13/24 Analyzed: 09/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.444*		*0.500*		*88.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.6*	*70-130*			
Surrogate: Toluene-d8	*0.495*		*0.500*		*99.0*	*70-130*			
LCS (2437098-BS2)									Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0		89.5	70-130			
Surrogate: Bromofluorobenzene	*0.452*		*0.500*		*90.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.472*		*0.500*		*94.3*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			
Matrix Spike (2437098-MS2)				**Source: E409105-06**					Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	ND	86.1	70-130			
Surrogate: Bromofluorobenzene	*0.459*		*0.500*		*91.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.466*		*0.500*		*93.1*	*70-130*			
Surrogate: Toluene-d8	*0.510*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2437098-MSD2)				**Source: E409105-06**					Prepared: 09/13/24 Analyzed: 09/16/24
Gasoline Range Organics (C6-C10)	41.0	20.0	50.0	ND	82.1	70-130	4.86	20	
Surrogate: Bromofluorobenzene	*0.448*		*0.500*		*89.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*95.9*	*70-130*			
Surrogate: Toluene-d8	*0.490*		*0.500*		*98.0*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:11:05AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437084-BLK1)									Prepared: 09/13/24 Analyzed: 09/17/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.2*		*50.0*		*104*	*50-200*			
LCS (2437084-BS1)									Prepared: 09/13/24 Analyzed: 09/17/24
Diesel Range Organics (C10-C28)	209	25.0	250		83.6	38-132			
Surrogate: n-Nonane	*50.7*		*50.0*		*101*	*50-200*			
Matrix Spike (2437084-MS1)				**Source: E409105-01**					Prepared: 09/13/24 Analyzed: 09/18/24
Diesel Range Organics (C10-C28)	197	25.0	250	ND	78.9	38-132			
Surrogate: n-Nonane	*51.2*		*50.0*		*102*	*50-200*			
Matrix Spike Dup (2437084-MSD1)				**Source: E409105-01**					Prepared: 09/13/24 Analyzed: 09/18/24
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	38-132	27.9	20	R3
Surrogate: n-Nonane	*47.9*		*50.0*		*95.9*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/25/2024 11:11:05AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437105-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	ND	20.0							
LCS (2437105-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2437105-MS1)				**Source: E409105-05**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	287	20.0	250	36.4	100	80-120			
Matrix Spike Dup (2437105-MSD1)				**Source: E409105-05**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	285	20.0	250	36.4	99.5	80-120	0.716	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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	09/25/24 11:11

R3	The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 5:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Envirotech Analytical Laboratory

Printed: 9/13/2024 9:14:53AM

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:	09/13/24 07:45	Work Order ID:	E409106
Phone:	(575) 748-0176	Date Logged In:	09/12/24 13:29	Logged In By:	Noe Soto
Email:	anna@ensolum.com	Due Date:	09/19/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	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 filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

Project Information | Chain of Custody | Page 1 of 1

| | | |

Report to:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E507244
Job Number:	01058-0007
Received:	7/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/28/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/28/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E507244
Date Received: 7/21/2025 7:45:05AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/21/2025 7:45:05AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH44 0.5’ 5
- BH44 1’ 6
- BH44 5’ 7
- BH44 10’ 8
- BH44 15’ 9
- BH44 20’ 10

QC Summary Data 11

- QC - Volatile Organics by EPA 8021B 11
- QC - Nonhalogenated Organics by EPA 8015D - GRO 12
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13
- QC - Anions by EPA 300.0/9056A 14

Definitions and Notes 15

Chain of Custody etc. 16

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	07/28/25 15:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH44 0.5'	E507244-01A	Soil	07/17/25	07/21/25	Glass Jar, 2 oz.
BH44 1'	E507244-02A	Soil	07/17/25	07/21/25	Glass Jar, 2 oz.
BH44 5'	E507244-03A	Soil	07/17/25	07/21/25	Glass Jar, 2 oz.
BH44 10'	E507244-04A	Soil	07/17/25	07/21/25	Glass Jar, 2 oz.
BH44 15'	E507244-05A	Soil	07/17/25	07/21/25	Glass Jar, 2 oz.
BH44 20'	E507244-06A	Soil	07/17/25	07/21/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	7/28/2025 3:48:42PM

BH44 0.5'

E507244-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2530130
Benzene	ND	0.0250	1	07/24/25	07/24/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/24/25	
Toluene	ND	0.0250	1	07/24/25	07/24/25	
o-Xylene	ND	0.0250	1	07/24/25	07/24/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/24/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*07/24/25*	*07/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2530130
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.6 %*	*70-130*	*07/24/25*	*07/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531001
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/25	07/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/25	07/28/25	
Surrogate: n-Nonane		*88.9 %*	*61-141*	*07/27/25*	*07/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2530157
Chloride	**106**	20.0	1	07/25/25	07/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	7/28/2025 3:48:42PM

BH44 1'

E507244-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2530130
Benzene	ND	0.0250	1	07/24/25	07/24/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/24/25	
Toluene	ND	0.0250	1	07/24/25	07/24/25	
o-Xylene	ND	0.0250	1	07/24/25	07/24/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/24/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*07/24/25*	*07/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2530130
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.9 %*	*70-130*	*07/24/25*	*07/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531001
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/25	07/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/25	07/28/25	
Surrogate: n-Nonane		*88.5 %*	*61-141*	*07/27/25*	*07/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2530157
Chloride	**2760**	40.0	2	07/25/25	07/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	7/28/2025 3:48:42PM

BH44 5'

E507244-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2530130
Benzene	ND	0.0250	1	07/24/25	07/24/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/24/25	
Toluene	ND	0.0250	1	07/24/25	07/24/25	
o-Xylene	ND	0.0250	1	07/24/25	07/24/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/24/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.4 %*	*70-130*	*07/24/25*	*07/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2530130
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.5 %*	*70-130*	*07/24/25*	*07/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531001
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/25	07/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/25	07/28/25	
Surrogate: n-Nonane		*87.7 %*	*61-141*	*07/27/25*	*07/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2530157
Chloride	**3190**	40.0	2	07/25/25	07/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	7/28/2025 3:48:42PM

BH44 10'

E507244-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2530130
Benzene	ND	0.0250	1	07/24/25	07/24/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/24/25	
Toluene	ND	0.0250	1	07/24/25	07/24/25	
o-Xylene	ND	0.0250	1	07/24/25	07/24/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/24/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.2 %*	*70-130*	*07/24/25*	*07/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2530130
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.4 %*	*70-130*	*07/24/25*	*07/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531001
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/25	07/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/25	07/28/25	
Surrogate: n-Nonane		*89.5 %*	*61-141*	*07/27/25*	*07/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2530157
Chloride	**1710**	20.0	1	07/25/25	07/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	7/28/2025 3:48:42PM

BH44 15'

E507244-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2530130
Benzene	ND	0.0250	1	07/24/25	07/24/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/24/25	
Toluene	ND	0.0250	1	07/24/25	07/24/25	
o-Xylene	ND	0.0250	1	07/24/25	07/24/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/24/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*07/24/25*	*07/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2530130
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.5 %*	*70-130*	*07/24/25*	*07/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531001
Diesel Range Organics (C10-C28)	**32.3**	25.0	1	07/27/25	07/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/25	07/28/25	
Surrogate: n-Nonane		*86.6 %*	*61-141*	*07/27/25*	*07/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2530157
Chloride	**436**	20.0	1	07/25/25	07/25/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	7/28/2025 3:48:42PM

BH44 20'

E507244-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2530130
Benzene	ND	0.0250	1	07/24/25	07/24/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/24/25	
Toluene	ND	0.0250	1	07/24/25	07/24/25	
o-Xylene	ND	0.0250	1	07/24/25	07/24/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/24/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*07/24/25*	*07/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2530130
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.6 %*	*70-130*	*07/24/25*	*07/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531001
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/25	07/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/25	07/28/25	
Surrogate: n-Nonane		*85.3 %*	*61-141*	*07/27/25*	*07/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2530157
Chloride	**242**	20.0	1	07/25/25	07/25/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	7/28/2025 3:48:42PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2530130-BLK1)									Prepared: 07/24/25 Analyzed: 07/24/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.04*		*8.00*		*88.0*	*70-130*			
LCS (2530130-BS1)									Prepared: 07/24/25 Analyzed: 07/24/25
Benzene	4.87	0.0250	5.00		97.5	70-130			
Ethylbenzene	4.76	0.0250	5.00		95.2	70-130			
Toluene	4.82	0.0250	5.00		96.4	70-130			
o-Xylene	4.80	0.0250	5.00		95.9	70-130			
p,m-Xylene	9.58	0.0500	10.0		95.8	70-130			
Total Xylenes	14.4	0.0250	15.0		95.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			
Matrix Spike (2530130-MS1)				**Source: E507244-04**					Prepared: 07/24/25 Analyzed: 07/24/25
Benzene	5.09	0.0250	5.00	ND	102	70-130			
Ethylbenzene	4.96	0.0250	5.00	ND	99.1	70-130			
Toluene	5.02	0.0250	5.00	ND	100	70-130			
o-Xylene	4.99	0.0250	5.00	ND	99.9	70-130			
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	70-130			
Total Xylenes	15.0	0.0250	15.0	ND	99.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.54*		*8.00*		*94.2*	*70-130*			
Matrix Spike Dup (2530130-MSD1)				**Source: E507244-04**					Prepared: 07/24/25 Analyzed: 07/24/25
Benzene	4.87	0.0250	5.00	ND	97.5	70-130	4.30	27	
Ethylbenzene	4.77	0.0250	5.00	ND	95.4	70-130	3.87	26	
Toluene	4.83	0.0250	5.00	ND	96.6	70-130	3.84	20	
o-Xylene	4.80	0.0250	5.00	ND	96.1	70-130	3.88	25	
p,m-Xylene	9.59	0.0500	10.0	ND	95.9	70-130	3.89	23	
Total Xylenes	14.4	0.0250	15.0	ND	96.0	70-130	3.89	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	7/28/2025 3:48:42PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2530130-BLK1)									Prepared: 07/24/25 Analyzed: 07/24/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.84*		*8.00*		*85.5*	*70-130*			
LCS (2530130-BS2)									Prepared: 07/24/25 Analyzed: 07/24/25
Gasoline Range Organics (C6-C10)	52.8	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.00*		*8.00*		*87.5*	*70-130*			
Matrix Spike (2530130-MS2)				**Source: E507244-04**					Prepared: 07/24/25 Analyzed: 07/24/25
Gasoline Range Organics (C6-C10)	54.7	20.0	50.0	ND	109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.89*		*8.00*		*86.1*	*70-130*			
Matrix Spike Dup (2530130-MSD2)				**Source: E507244-04**					Prepared: 07/24/25 Analyzed: 07/24/25
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	ND	108	70-130	0.948	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.91*		*8.00*		*86.3*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	7/28/2025 3:48:42PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2531001-BLK1)									Prepared: 07/27/25 Analyzed: 07/27/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*43.6*		*50.0*		*87.1*	*61-141*			
LCS (2531001-BS1)									Prepared: 07/27/25 Analyzed: 07/27/25
Diesel Range Organics (C10-C28)	240	25.0	250		96.0	66-144			
Surrogate: n-Nonane	*43.2*		*50.0*		*86.4*	*61-141*			
Matrix Spike (2531001-MS1)				**Source: E507259-02**					Prepared: 07/27/25 Analyzed: 07/27/25
Diesel Range Organics (C10-C28)	279	25.0	250	36.3	97.2	56-156			
Surrogate: n-Nonane	*43.2*		*50.0*		*86.4*	*61-141*			
Matrix Spike Dup (2531001-MSD1)				**Source: E507259-02**					Prepared: 07/27/25 Analyzed: 07/27/25
Diesel Range Organics (C10-C28)	280	25.0	250	36.3	97.6	56-156	0.312	20	
Surrogate: n-Nonane	*43.3*		*50.0*		*86.5*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	7/28/2025 3:48:42PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2530157-BLK1)									Prepared: 07/25/25 Analyzed: 07/25/25
Chloride	ND	20.0							
LCS (2530157-BS1)									Prepared: 07/25/25 Analyzed: 07/25/25
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2530157-MS1)				**Source: E507294-02**					Prepared: 07/25/25 Analyzed: 07/25/25
Chloride	251	20.0	250	ND	101	80-120			
Matrix Spike Dup (2530157-MSD1)				**Source: E507294-02**					Prepared: 07/25/25 Analyzed: 07/25/25
Chloride	252	20.0	250	ND	101	80-120	0.166	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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	07/28/25 15:48

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT				State				
Client: Devon Energy Production Co LP	Company:Devon Energy Production Co LP	Lab WO# E507244	Job Number 21058-0007	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Barbados State #001 SWD	Address: 5315 Buena Vista Dr.						x	x				
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220											
Address: 13000 W County Rd 100	Phone: 575-885-7502											
City, State, Zip_Odessa,TX, 79765	Email: jim.raley@dvn.com											
Phone: 432-305-6415	Miscellaneous: WO: 21196155; PN: 18172; IN: nAPP2223636403											
Email: NMTXGeoGroup@etechenv.com												

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
9:30	7/17/2025	S	1	BH44	0.5'	1									X			2.6	
9:40	7/17/2025	S	1	BH44	1'	2									X			2.4	
9:50	7/17/2025	S	1	BH44	5'	3									X			2.0	
10:00	7/17/2025	S	1	BH44	10'	4									X			1.8	
10:10	7/17/2025	S	1	BH44	15'	5									X			2.6	
10:20	7/17/2025	S	1	BH44	20'	6									X			2.2	

07/18/2025

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance ____ Y ____ or ____ N ____

PWSID # ____

Additional Instructions:

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.

Sampled by: Edyte Konan

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
~~Edyte~~	07/18/25	16:00	Marissa Gonzales	7-18-25	1600
Marissa Gonzales	7-18-25	1915		7/18/25	1915
	7/18/25	2400	Caitlin Mars	7.21.25	745

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

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 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Page 1041 of 1180

Envirotech Analytical Laboratory

Printed: 7/21/2025 12:47:06PM

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:	07/21/25 07:45	Work Order ID:	E507244
Phone:	(575) 748-0176	Date Logged In:	07/18/25 18:15	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	07/28/25 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
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:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E507327
Job Number:	01058-0007
Received:	7/29/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/4/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/4/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E507327
Date Received: 7/29/2025 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/29/2025 7:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH44 25’ 5
- BH44 30’ 6
- BH44 35’ 7
- BH44 40’ 8
- BH44 45’ 9
- BH44 50’ 10
- BH44 55’ 11

QC Summary Data 12

- QC - Volatile Organics by EPA 8021B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	08/04/25 13:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH44 25'	E507327-01A	Soil	07/25/25	07/29/25	Glass Jar, 2 oz.
BH44 30'	E507327-02A	Soil	07/25/25	07/29/25	Glass Jar, 2 oz.
BH44 35'	E507327-03A	Soil	07/25/25	07/29/25	Glass Jar, 2 oz.
BH44 40'	E507327-04A	Soil	07/25/25	07/29/25	Glass Jar, 2 oz.
BH44 45'	E507327-05A	Soil	07/25/25	07/29/25	Glass Jar, 2 oz.
BH44 50'	E507327-06A	Soil	07/25/25	07/29/25	Glass Jar, 2 oz.
BH44 55'	E507327-07A	Soil	07/25/25	07/29/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 1:47:06PM

BH44 25'

E507327-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2531088
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2531088
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531121
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/25	08/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/25	08/01/25	
Surrogate: n-Nonane		*91.2 %*	*61-141*	*07/31/25*	*08/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2531126
Chloride	**72.2**	20.0	1	07/31/25	07/31/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 1:47:06PM

BH44 30'

E507327-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2531088
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2531088
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531121
Diesel Range Organics (C10-C28)	**41.8**	25.0	1	07/31/25	08/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/25	08/01/25	
Surrogate: n-Nonane		*88.5 %*	*61-141*	*07/31/25*	*08/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2531126
Chloride	ND	100	5	07/31/25	07/31/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 1:47:06PM

BH44 35'

E507327-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2531088
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2531088
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531121
Diesel Range Organics (C10-C28)	**201**	25.0	1	07/31/25	08/01/25	
Oil Range Organics (C28-C36)	**248**	50.0	1	07/31/25	08/01/25	
Surrogate: n-Nonane		*91.1 %*	*61-141*	*07/31/25*	*08/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2531126
Chloride	ND	200	10	07/31/25	07/31/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 1:47:06PM

BH44 40'

E507327-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2531088
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2531088
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531121
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/25	08/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/25	08/01/25	
Surrogate: n-Nonane		*95.5 %*	*61-141*	*07/31/25*	*08/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2531126
Chloride	ND	200	10	07/31/25	07/31/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 1:47:06PM

BH44 45'

E507327-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2531088
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2531088
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.1 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531121
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/25	08/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/25	08/01/25	
Surrogate: n-Nonane		*93.1 %*	*61-141*	*07/31/25*	*08/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2531126
Chloride	ND	200	10	07/31/25	07/31/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 1:47:06PM

BH44 50'

E507327-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2531088
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2531088
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531121
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/25	08/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/25	08/01/25	
Surrogate: n-Nonane		*91.1 %*	*61-141*	*07/31/25*	*08/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2531126
Chloride	ND	200	10	07/31/25	07/31/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 1:47:06PM

BH44 55'

E507327-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2531088
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2531088
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.5 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531121
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/25	08/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/25	08/01/25	
Surrogate: n-Nonane		*89.1 %*	*61-141*	*07/31/25*	*08/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2531126
Chloride	ND	200	10	07/31/25	07/31/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 1:47:06PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2531088-BLK1)									Prepared: 07/30/25 Analyzed: 07/31/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.41*		*8.00*		*105*	*70-130*			
LCS (2531088-BS1)									Prepared: 07/30/25 Analyzed: 07/31/25
Benzene	5.45	0.0250	5.00		109	70-130			
Ethylbenzene	5.26	0.0250	5.00		105	70-130			
Toluene	5.37	0.0250	5.00		107	70-130			
o-Xylene	5.15	0.0250	5.00		103	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.34*		*8.00*		*104*	*70-130*			
Matrix Spike (2531088-MS1)				**Source: E507327-05**					Prepared: 07/30/25 Analyzed: 07/31/25
Benzene	5.21	0.0250	5.00	ND	104	70-130			
Ethylbenzene	5.02	0.0250	5.00	ND	100	70-130			
Toluene	5.13	0.0250	5.00	ND	103	70-130			
o-Xylene	4.90	0.0250	5.00	ND	98.0	70-130			
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130			
Total Xylenes	15.0	0.0250	15.0	ND	99.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.34*		*8.00*		*104*	*70-130*			
Matrix Spike Dup (2531088-MSD1)				**Source: E507327-05**					Prepared: 07/30/25 Analyzed: 07/31/25
Benzene	5.65	0.0250	5.00	ND	113	70-130	7.99	27	
Ethylbenzene	5.43	0.0250	5.00	ND	109	70-130	7.87	26	
Toluene	5.56	0.0250	5.00	ND	111	70-130	8.09	20	
o-Xylene	5.31	0.0250	5.00	ND	106	70-130	8.08	25	
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130	7.75	23	
Total Xylenes	16.2	0.0250	15.0	ND	108	70-130	7.86	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.26*		*8.00*		*103*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 1:47:06PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2531088-BLK1)									Prepared: 07/30/25 Analyzed: 07/31/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
LCS (2531088-BS2)									Prepared: 07/30/25 Analyzed: 07/31/25
Gasoline Range Organics (C6-C10)	53.6	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.79*		*8.00*		*97.3*	*70-130*			
Matrix Spike (2531088-MS2)				**Source: E507327-05**					Prepared: 07/30/25 Analyzed: 07/31/25
Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	ND	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.82*		*8.00*		*97.7*	*70-130*			
Matrix Spike Dup (2531088-MSD2)				**Source: E507327-05**					Prepared: 07/30/25 Analyzed: 07/31/25
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	2.85	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.4*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 1:47:06PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2531121-BLK1)									Prepared: 07/31/25 Analyzed: 07/31/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.5*		*50.0*		*91.1*	*61-141*			
LCS (2531121-BS1)									Prepared: 07/31/25 Analyzed: 07/31/25
Diesel Range Organics (C10-C28)	262	25.0	250		105	66-144			
Surrogate: n-Nonane	*44.4*		*50.0*		*88.7*	*61-141*			
Matrix Spike (2531121-MS1)				**Source: E507320-84**					Prepared: 07/31/25 Analyzed: 07/31/25
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	56-156			
Surrogate: n-Nonane	*44.9*		*50.0*		*89.8*	*61-141*			
Matrix Spike Dup (2531121-MSD1)				**Source: E507320-84**					Prepared: 07/31/25 Analyzed: 07/31/25
Diesel Range Organics (C10-C28)	259	25.0	250	ND	103	56-156	1.58	20	
Surrogate: n-Nonane	*45.2*		*50.0*		*90.4*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 1:47:06PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2531126-BLK1)									Prepared: 07/31/25 Analyzed: 07/31/25
Chloride	ND	20.0							
LCS (2531126-BS1)									Prepared: 07/31/25 Analyzed: 07/31/25
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2531126-MS1)				**Source: E507337-02**					Prepared: 07/31/25 Analyzed: 07/31/25
Chloride	773	20.0	250	527	98.2	80-120			
Matrix Spike Dup (2531126-MSD1)				**Source: E507337-02**					Prepared: 07/31/25 Analyzed: 07/31/25
Chloride	954	20.0	250	527	171	80-120	21.0	20	M1, R3

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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	08/04/25 13:47

M1	Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.
R3	The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Co LP	Company:Devon Energy Production Co LP	Lab WO# E501327	Job Number 01058-0007	1D 2D 3D Std: x	NM: x CO UT TX
Project: Barbados State #001 SWD	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip_Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21196155; PN: 18172; IN: nAPP2223636403			
Email: NMTXGeoGroup@etechenv.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
10:30	7/25/2025	S	1	BH44	25'	1									X			2.4	
9:40	7/25/2025	S	1	BH44	30'	2									X			4.0	
9:50	7/25/2025	S	1	BH44	35'	3									X			3.3	
10:00	7/25/2025	S	1	BH44	40'	4									X			3.5	
10:10	7/25/2025	S	1	BH44	45'	5									X			3.3	
10:20	7/25/2025	S	1	BH44	50'	6									X			4.0	
10:30	7/25/2025	S	1	BH44	55'	7									X			4.1	

07/28/2025

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance: Y or N

PWSID #

Additional Instructions:

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.

Sampled by: Edyte Konan

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
~~Edyte~~	07/28/25	9:30	Michelle Gonzales	7-28-25	0930
Michelle Gonzales	7-28-25	1500	Marissa Gonzales	7-2825	1500
Marissa Gonzales	7-2825	1845	A.M.	7.28.25	1845
A.M.	7.28.25	2300	Cath Mar	7.29.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

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 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 7/29/2025 9:46:53AM

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:	07/29/25 07:30	Work Order ID:	E507327
Phone:	(575) 748-0176	Date Logged In:	07/28/25 15:09	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	08/04/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
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:

Anna Byers









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E507245
Job Number:	01058-0007
Received:	7/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/29/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/29/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E507245
Date Received: 7/21/2025 7:45:05AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/21/2025 7:45:05AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH45 0.5’ 5
- BH45 1’ 6
- BH45 5’ 7
- BH45 10’ 8
- BH45 15’ 9
- BH45 20’ 10

QC Summary Data 11

- QC - Volatile Organics by EPA 8021B 11
- QC - Nonhalogenated Organics by EPA 8015D - GRO 12
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13
- QC - Anions by EPA 300.0/9056A 14

Definitions and Notes 15

Chain of Custody etc. 16

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	07/29/25 14:24

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH45 0.5'	E507245-01A	Soil	07/17/25	07/21/25	Glass Jar, 2 oz.
BH45 1'	E507245-02A	Soil	07/17/25	07/21/25	Glass Jar, 2 oz.
BH45 5'	E507245-03A	Soil	07/17/25	07/21/25	Glass Jar, 2 oz.
BH45 10'	E507245-04A	Soil	07/17/25	07/21/25	Glass Jar, 2 oz.
BH45 15'	E507245-05A	Soil	07/17/25	07/21/25	Glass Jar, 2 oz.
BH45 20'	E507245-06A	Soil	07/17/25	07/21/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	7/29/2025 2:24:20PM

BH45 0.5'

E507245-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2530140
Benzene	ND	0.0250	1	07/24/25	07/26/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/26/25	
Toluene	ND	0.0250	1	07/24/25	07/26/25	
o-Xylene	ND	0.0250	1	07/24/25	07/26/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/26/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/26/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*07/24/25*	*07/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2530140
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/26/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*07/24/25*	*07/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2530167
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/25	07/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/25	07/26/25	
Surrogate: n-Nonane		*86.0 %*	*61-141*	*07/25/25*	*07/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2531003
Chloride	ND	20.0	1	07/27/25	07/27/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	7/29/2025 2:24:20PM

BH45 1'

E507245-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2530140
Benzene	ND	0.0250	1	07/24/25	07/26/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/26/25	
Toluene	ND	0.0250	1	07/24/25	07/26/25	
o-Xylene	ND	0.0250	1	07/24/25	07/26/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/26/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/26/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.5 %*	*70-130*	*07/24/25*	*07/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2530140
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/26/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*07/24/25*	*07/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2530167
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/25	07/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/25	07/26/25	
Surrogate: n-Nonane		*89.7 %*	*61-141*	*07/25/25*	*07/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2531003
Chloride	**1280**	20.0	1	07/27/25	07/27/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	7/29/2025 2:24:20PM

BH45 5'

E507245-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2530140
Benzene	ND	0.0250	1	07/24/25	07/26/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/26/25	
Toluene	ND	0.0250	1	07/24/25	07/26/25	
o-Xylene	ND	0.0250	1	07/24/25	07/26/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/26/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/26/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.9 %*	*70-130*	*07/24/25*	*07/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2530140
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/26/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*07/24/25*	*07/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2530167
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/25	07/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/25	07/26/25	
Surrogate: n-Nonane		*89.2 %*	*61-141*	*07/25/25*	*07/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2531003
Chloride	**2040**	20.0	1	07/27/25	07/27/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	7/29/2025 2:24:20PM

BH45 10'

E507245-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2530140
Benzene	ND	0.0250	1	07/24/25	07/26/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/26/25	
Toluene	ND	0.0250	1	07/24/25	07/26/25	
o-Xylene	ND	0.0250	1	07/24/25	07/26/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/26/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/26/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*07/24/25*	*07/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2530140
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/26/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*07/24/25*	*07/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2530167
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/25	07/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/25	07/26/25	
Surrogate: n-Nonane		*87.7 %*	*61-141*	*07/25/25*	*07/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2531003
Chloride	**1220**	20.0	1	07/27/25	07/27/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	7/29/2025 2:24:20PM

BH45 15'

E507245-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2530140
Benzene	ND	0.0250	1	07/24/25	07/26/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/26/25	
Toluene	ND	0.0250	1	07/24/25	07/26/25	
o-Xylene	ND	0.0250	1	07/24/25	07/26/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/26/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/26/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.5 %*	*70-130*	*07/24/25*	*07/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2530140
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/26/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*07/24/25*	*07/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2530167
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/25	07/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/25	07/26/25	
Surrogate: n-Nonane		*85.6 %*	*61-141*	*07/25/25*	*07/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2531003
Chloride	**211**	20.0	1	07/27/25	07/27/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	7/29/2025 2:24:20PM

BH45 20'

E507245-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2530140
Benzene	ND	0.0250	1	07/24/25	07/26/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/26/25	
Toluene	ND	0.0250	1	07/24/25	07/26/25	
o-Xylene	ND	0.0250	1	07/24/25	07/26/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/26/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/26/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*07/24/25*	*07/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2530140
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/26/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*07/24/25*	*07/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2530167
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/25	07/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/25	07/26/25	
Surrogate: n-Nonane		*85.1 %*	*61-141*	*07/25/25*	*07/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2531003
Chloride	**276**	20.0	1	07/27/25	07/27/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	7/29/2025 2:24:20PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2530140-BLK1)									Prepared: 07/24/25 Analyzed: 07/26/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.79*		*8.00*		*97.4*	*70-130*			
LCS (2530140-BS1)									Prepared: 07/24/25 Analyzed: 07/26/25
Benzene	4.77	0.0250	5.00		95.4	70-130			
Ethylbenzene	5.05	0.0250	5.00		101	70-130			
Toluene	4.97	0.0250	5.00		99.4	70-130			
o-Xylene	5.03	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.67*		*8.00*		*95.8*	*70-130*			
Matrix Spike (2530140-MS1)				**Source: E507253-04**					Prepared: 07/24/25 Analyzed: 07/26/25
Benzene	4.88	0.0250	5.00	ND	97.6	70-130			
Ethylbenzene	5.21	0.0250	5.00	ND	104	70-130			
Toluene	5.12	0.0250	5.00	ND	102	70-130			
o-Xylene	5.23	0.0250	5.00	ND	105	70-130			
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130			
Total Xylenes	15.8	0.0250	15.0	ND	105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.6*	*70-130*			
Matrix Spike Dup (2530140-MSD1)				**Source: E507253-04**					Prepared: 07/24/25 Analyzed: 07/26/25
Benzene	4.97	0.0250	5.00	ND	99.3	70-130	1.77	27	
Ethylbenzene	5.34	0.0250	5.00	ND	107	70-130	2.43	26	
Toluene	5.23	0.0250	5.00	ND	105	70-130	2.11	20	
o-Xylene	5.35	0.0250	5.00	ND	107	70-130	2.22	25	
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130	2.48	23	
Total Xylenes	16.2	0.0250	15.0	ND	108	70-130	2.39	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	7/29/2025 2:24:20PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2530140-BLK1)									Prepared: 07/24/25 Analyzed: 07/26/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.90*		*8.00*		*98.8*	*70-130*			
LCS (2530140-BS2)									Prepared: 07/24/25 Analyzed: 07/26/25
Gasoline Range Organics (C6-C10)	59.7	20.0	50.0		119	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.26*		*8.00*		*103*	*70-130*			
Matrix Spike (2530140-MS2)				**Source: E507253-04**					Prepared: 07/24/25 Analyzed: 07/26/25
Gasoline Range Organics (C6-C10)	57.6	20.0	50.0	ND	115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.24*		*8.00*		*103*	*70-130*			
Matrix Spike Dup (2530140-MSD2)				**Source: E507253-04**					Prepared: 07/24/25 Analyzed: 07/26/25
Gasoline Range Organics (C6-C10)	61.4	20.0	50.0	ND	123	70-130	6.39	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.10*		*8.00*		*101*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	7/29/2025 2:24:20PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2530167-BLK1)									Prepared: 07/25/25 Analyzed: 07/25/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*43.2*		*50.0*		*86.4*	*61-141*			
LCS (2530167-BS1)									Prepared: 07/25/25 Analyzed: 07/25/25
Diesel Range Organics (C10-C28)	245	25.0	250		98.1	66-144			
Surrogate: n-Nonane	*45.0*		*50.0*		*89.9*	*61-141*			
Matrix Spike (2530167-MS1)				**Source: E507247-11**					Prepared: 07/25/25 Analyzed: 07/26/25
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.9	56-156			
Surrogate: n-Nonane	*44.1*		*50.0*		*88.1*	*61-141*			
Matrix Spike Dup (2530167-MSD1)				**Source: E507247-11**					Prepared: 07/25/25 Analyzed: 07/26/25
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.3	56-156	0.640	20	
Surrogate: n-Nonane	*44.0*		*50.0*		*88.0*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	7/29/2025 2:24:20PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2531003-BLK1)									Prepared: 07/27/25 Analyzed: 07/27/25
Chloride	ND	20.0							
LCS (2531003-BS1)									Prepared: 07/27/25 Analyzed: 07/27/25
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2531003-MS1)				**Source: E507245-05**					Prepared: 07/27/25 Analyzed: 07/27/25
Chloride	451	20.0	250	211	95.9	80-120			
Matrix Spike Dup (2531003-MSD1)				**Source: E507245-05**					Prepared: 07/27/25 Analyzed: 07/27/25
Chloride	428	20.0	250	211	86.8	80-120	5.14	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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	07/29/25 14:24

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT				State				
Client: Devon Energy Production Co LP	Company:Devon Energy Production Co LP	Lab WO# E201245	Job Number 01058-0007	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Barbados State #001 SWD	Address: 5315 Buena Vista Dr.						x	x				
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220											
Address: 13000 W County Rd 100	Phone: 575-885-7502											
City, State, Zip_Odessa,TX, 79765	Email: jim.raley@dvn.com											
Phone: 432-305-6415	Miscellaneous: WO: 21196155; PN: 18172; IN: nAPP2223636403											
Email: NMTXGeoGroup@etechenv.com												

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX	
10:50	7/17/2025	S	1	BH45	0.5'	1									X		
11:00	7/17/2025	S	1	BH45	1'	2									X		
11:10	7/17/2025	S	1	BH45	5'	3									X		
11:20	7/17/2025	S	1	BH45	10'	4									X		
11:30	7/17/2025	S	1	BH45	15'	5									X		
11:40	7/17/2025	S	1	BH45	20'	6									X		

07/18/2025

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Sample Temp	Remarks
2.8	
3.0	
3.2	
2.6	
3.1	
3.3	

Additional Instructions:

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.
Sampled by: Edyte Konan

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	07/18/25	16:00	Marissa Gonzales	7-18-25	1600
Marissa Gonzales	7-18-25	1915	[signature]	7/18/25	1915
[signature]	7/18/25	2400	[signature]	7.21.25	745
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only
Received on ice: (Y) N

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 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 7/21/2025 12:50:08PM

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:	07/21/25 07:45	Work Order ID:	E507245
Phone:	(575) 748-0176	Date Logged In:	07/18/25 18:16	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	07/28/25 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
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:

Anna Byers



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Barbados State #001 SWD
Work Order:	E507326
Job Number:	01058-0007
Received:	7/29/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/4/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/4/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Barbados State #001 SWD
Workorder: E507326
Date Received: 7/29/2025 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/29/2025 7:30:00AM, under the Project Name: Barbados State #001 SWD.

The analytical test results summarized in this report with the Project Name: Barbados State #001 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH45 25’ 5
- BH45 35’ 6
- BH45 40’ 7
- BH45 45’ 8
- BH45 50’ 9
- BH45 55’ 10
- BH45 60’ 11

QC Summary Data 12

- QC - Volatile Organics by EPA 8021B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	08/04/25 16:40

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH45 25'	E507326-01A	Soil	07/25/25	07/29/25	Glass Jar, 2 oz.
BH45 35'	E507326-02A	Soil	07/25/25	07/29/25	Glass Jar, 2 oz.
BH45 40'	E507326-03A	Soil	07/25/25	07/29/25	Glass Jar, 2 oz.
BH45 45'	E507326-04A	Soil	07/25/25	07/29/25	Glass Jar, 2 oz.
BH45 50'	E507326-05A	Soil	07/25/25	07/29/25	Glass Jar, 2 oz.
BH45 55'	E507326-06A	Soil	07/25/25	07/29/25	Glass Jar, 2 oz.
BH45 60'	E507326-07A	Soil	07/25/25	07/29/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 4:40:10PM

BH45 25'

E507326-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2531086
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2531086
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531121
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/25	07/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/25	07/31/25	
Surrogate: n-Nonane		*89.7 %*	*61-141*	*07/31/25*	*07/31/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2531101
Chloride	ND	200	10	07/30/25	07/31/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 4:40:10PM

BH45 35'

E507326-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2531086
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2531086
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531121
Diesel Range Organics (C10-C28)	**230**	25.0	1	07/31/25	07/31/25	
Oil Range Organics (C28-C36)	**315**	50.0	1	07/31/25	07/31/25	
Surrogate: n-Nonane		*89.2 %*	*61-141*	*07/31/25*	*07/31/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2531101
Chloride	ND	200	10	07/30/25	07/31/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 4:40:10PM

BH45 40'

E507326-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2531086
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2531086
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531121
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/25	07/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/25	07/31/25	
Surrogate: n-Nonane		*91.4 %*	*61-141*	*07/31/25*	*07/31/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2531101
Chloride	ND	200	10	07/30/25	07/31/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 4:40:10PM

BH45 45'

E507326-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2531086
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.6 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2531086
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531121
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/25	07/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/25	07/31/25	
Surrogate: n-Nonane		*97.4 %*	*61-141*	*07/31/25*	*07/31/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2531101
Chloride	ND	200	10	07/30/25	07/31/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 4:40:10PM

BH45 50'

E507326-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2531086
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2531086
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531121
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/25	07/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/25	07/31/25	
Surrogate: n-Nonane		*89.8 %*	*61-141*	*07/31/25*	*07/31/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2531101
Chloride	ND	200	10	07/30/25	07/31/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 4:40:10PM

BH45 55'

E507326-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2531086
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2531086
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531121
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/25	08/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/25	08/01/25	
Surrogate: n-Nonane		*90.0 %*	*61-141*	*07/31/25*	*08/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2531101
Chloride	ND	200	10	07/30/25	07/31/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 4:40:10PM

BH45 60'

E507326-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2531086
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.8 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2531086
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.0 %*	*70-130*	*07/30/25*	*07/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2531121
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/25	08/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/25	08/01/25	
Surrogate: n-Nonane		*90.3 %*	*61-141*	*07/31/25*	*08/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2531101
Chloride	ND	200	10	07/30/25	07/31/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 4:40:10PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2531086-BLK1)									Prepared: 07/30/25 Analyzed: 07/31/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.59*		*8.00*		*94.8*	*70-130*			
LCS (2531086-BS1)									Prepared: 07/30/25 Analyzed: 08/01/25
Benzene	4.62	0.0250	5.00		92.4	70-130			
Ethylbenzene	4.59	0.0250	5.00		91.9	70-130			
Toluene	4.62	0.0250	5.00		92.5	70-130			
o-Xylene	4.64	0.0250	5.00		92.8	70-130			
p,m-Xylene	9.37	0.0500	10.0		93.7	70-130			
Total Xylenes	14.0	0.0250	15.0		93.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.12*		*8.00*		*102*	*70-130*			
Matrix Spike (2531086-MS1)				**Source: E507320-83**					Prepared: 07/30/25 Analyzed: 08/01/25
Benzene	4.53	0.0250	5.00	ND	90.5	70-130			
Ethylbenzene	4.50	0.0250	5.00	ND	90.0	70-130			
Toluene	4.53	0.0250	5.00	ND	90.6	70-130			
o-Xylene	4.57	0.0250	5.00	ND	91.4	70-130			
p,m-Xylene	9.18	0.0500	10.0	ND	91.8	70-130			
Total Xylenes	13.7	0.0250	15.0	ND	91.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.56*		*8.00*		*94.5*	*70-130*			
Matrix Spike Dup (2531086-MSD1)				**Source: E507320-83**					Prepared: 07/30/25 Analyzed: 08/01/25
Benzene	5.40	0.0250	5.00	ND	108	70-130	17.6	27	
Ethylbenzene	5.37	0.0250	5.00	ND	107	70-130	17.8	26	
Toluene	5.40	0.0250	5.00	ND	108	70-130	17.6	20	
o-Xylene	5.41	0.0250	5.00	ND	108	70-130	16.8	25	
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130	17.5	23	
Total Xylenes	16.3	0.0250	15.0	ND	109	70-130	17.3	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.01*		*8.00*		*100*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 4:40:10PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2531086-BLK1)									Prepared: 07/30/25 Analyzed: 07/31/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.9*	*70-130*			
LCS (2531086-BS2)									Prepared: 07/30/25 Analyzed: 08/01/25
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.96*		*8.00*		*99.4*	*70-130*			
Matrix Spike (2531086-MS2)				**Source: E507320-83**					Prepared: 07/30/25 Analyzed: 08/01/25
Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.10*		*8.00*		*101*	*70-130*			
Matrix Spike Dup (2531086-MSD2)				**Source: E507320-83**					Prepared: 07/30/25 Analyzed: 08/01/25
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130	9.57	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.26*		*8.00*		*103*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 4:40:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2531121-BLK1)									Prepared: 07/31/25 Analyzed: 07/31/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.5*		*50.0*		*91.1*	*61-141*			
LCS (2531121-BS1)									Prepared: 07/31/25 Analyzed: 07/31/25
Diesel Range Organics (C10-C28)	262	25.0	250		105	66-144			
Surrogate: n-Nonane	*44.4*		*50.0*		*88.7*	*61-141*			
Matrix Spike (2531121-MS1)				**Source: E507320-84**					Prepared: 07/31/25 Analyzed: 07/31/25
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	56-156			
Surrogate: n-Nonane	*44.9*		*50.0*		*89.8*	*61-141*			
Matrix Spike Dup (2531121-MSD1)				**Source: E507320-84**					Prepared: 07/31/25 Analyzed: 07/31/25
Diesel Range Organics (C10-C28)	259	25.0	250	ND	103	56-156	1.58	20	
Surrogate: n-Nonane	*45.2*		*50.0*		*90.4*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Barbados State #001 SWD	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	8/4/2025 4:40:10PM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2531101-BLK1)									Prepared: 07/30/25 Analyzed: 07/30/25
Chloride	ND	20.0							
LCS (2531101-BS1)									Prepared: 07/30/25 Analyzed: 07/30/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2531101-MS1)				**Source: E507320-83**					Prepared: 07/30/25 Analyzed: 07/30/25
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2531101-MSD1)				**Source: E507320-83**					Prepared: 07/30/25 Analyzed: 07/30/25
Chloride	254	20.0	250	ND	102	80-120	0.158	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:	Barbados State #001 SWD	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Anna Byers	08/04/25 16:40

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/22/2025 3:19:24 PM
Received by OCD: 11/26/2025 9:51:28 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon Energy Production Co LP	Company:Devon Energy Production Co LP	Lab WO# E501326	Job Number 01058.0007	1D 2D 3D Std: x	NM: x CO UT TX
Project: Barbados State #001 SWD	Address: 5315 Buena Vista Dr.			
Project Manager: Anna Byers	City, State, Zip: Carlsbad, NM, 88220			
Address: 13000 W County Rd 100	Phone: 575-885-7502			
City, State, Zip_Odessa,TX, 79765	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Miscellaneous: WO: 21196155; PN: 18172; IN: nAPP2223636403			
Email: NMTXGeoGroup@etechenv.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX	
13:00	7/25/2025	S	1	BH45	25'	1									X		
13:10	7/25/2025	S	1	BH45	35'	2									X		
13:20	7/25/2025	S	1	BH45	40'	3									X		
13:30	7/25/2025	S	1	BH45	45'	4									X		
13:40	7/25/2025	S	1	BH45	50'	5									X		
13:50	7/25/2025	S	1	BH45	55'	6									X		
14:00	7/25/2025	S	1	BH45	60'	7									X		

07/27/2025

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Sample Temp	Remarks
2.5	
3.8	
2.6	
2.6	
3.2	
2.6	
1.3	

Additional Instructions:

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.

Sampled by: Edyte Konan

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[illegible]	07/27/25	09:30	Michelle Gonzales	7-28-25	0930
Michelle Gonzales	7-28-25	1500	Marissa Gonzales	7-28-25	1500
Marissa Gonzales	7.28.25	1845	[signature]	7.28.25	1845
[signature]	7.28.25	2300	[signature]	7-29-25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only
Received on ice: (Y) N

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 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 7/29/2025 9:45:33AM

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:	07/29/25 07:30	Work Order ID:	E507326
Phone:	(575) 748-0176	Date Logged In:	07/28/25 15:05	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	08/04/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
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.

APPENDIX J

Correspondence & Notifications

Erick Herrera

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Friday, May 30, 2025 11:06 AM
To: Erick Herrera
Cc: Raley, Jim; NM TX Geo Group; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD
Subject: (Final Extension) - WPX Energy Extension Request - Barbados State #001 SWD (nAB1619656595)

Erick,

An extension to **August 28th, 2025** is approved. This will be the **final extension** for this release. Please include this e-mail correspondence in the Remediation Closure Report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, May 30, 2025 8:48 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] WPX Energy Extension Request - Barbados State #001 SWD (nAB1619656595)

Hi Rob,

This request did come in yesterday. I was out on a dr appointment so just forwarding now! Happy Friday 😊

From: Erick Herrera <erick@etechenv.com>
Sent: Thursday, May 29, 2025 4:06 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; ocdonline, emnrd, EMNRD <emnrd.ocdonline@emnrd.nm.gov>
Cc: Jim Raley <jim.raley@dvn.com>; NM TX Geo Group <NMTXGeoGroup@etechenv.com>
Subject: [EXTERNAL] WPX Energy Extension Request - Barbados State #001 SWD (nAB1619656595)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

Etech Environmental & Safety Solutions, Inc. (Etech) on behalf of WPX Energy Permian, LLC (WPX), respectfully requests a 90-day extension for a report due for Incident Number nAB1619656595 at the Barbados State #001 SWD (Site).

Since the approval of the Site Characterization and Remediation Plan report, an electrical resistivity imagery (ERI) survey was completed by Southwest Geophysical Consulting to evaluate potential karst features prior to advancing an excavation. The survey results indicated a potential subsurface karst feature, which may be confirmed or otherwise determined not present through further drilling. To provide enough time for permitting and execution of the exploratory borings with a karst monitor, environmental karst report review by the SLO and NMOCD, remediation activities conducted under the appropriate Site Characterization, soil sampling activities, the receipt of laboratory analytical results, backfilling of the excavations, and preparation and submittal of a formal report, Devon requests a 90-day extension of the current March 29, 2025, deadline to August 27, 2025, for Incident Number nAB1619656595.

Thank you,

Erick Herrera
Lead Project Geologist/GIS Manager
Etech Environmental & Safety Solutions, Inc.
W: (432) 305-6416
C: (281) 777-4152

Abe Valladares

From: Knight, Tami C. <tknight@nmslo.gov>
Sent: Saturday, March 8, 2025 3:54 PM
To: Raley, Jim
Cc: NM TX Geo Group; Crosby, Faith; McMillan, Michael A.
Subject: Remediation Plan_Barbados State #001 SWD nAB1619656595- SW0182 - Approved with Conditions

Jim

Documentation of proposed remediation actions for the subject release incident was received from your office on February 27, 2025. The NMSLO Environmental Compliance Office (ECO) has reviewed the plan, and based on the information provided in the document received from your office, ECO has approved the remediation plan with the following conditions:

1. ECO does not approve sampling variance requests for releases where there are sensitive receptors involved. This site is mapped as critical karst. All confirmation samples must be representative of no more than 200 sq ft.
2. ECO agrees with the OCD decision that a liner is not allowed as a means of remediation.

Please submit the remediation closure report to eco@nmslo.gov.

Lessee and/or their contractor are responsible for ensuring the project manager and field personnel performing the work follow the approved work plan.

Environmental Compliance Office
Surface Resources Division
eco@nmslo.gov
nmstatelands.org

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From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Thursday, February 27, 2025 11:23 AM
To: SLO Spills <spills@nmslo.gov>
Cc: NM TX Geo Group <NMTXGeoGroup@etechenv.com>; Knight, Tami C. <tknight@nmslo.gov>
Subject: [EXTERNAL] RE: Site Characterization and Remediation Addendum - Barbados State #001 SWD Incident Number nAB1619656595

Eco,

Wanted to give you link to report submitted to NMOCD for incident 30-015-27558 - BARBADOS STATE #001 - nAB1619656595

https://wwwapps.emnrd.nm.gov/OCD/OCDPermitting/SupportingDocuments/app/app_435346_1166027.pdf

Jim Raley | Environmental Professional - Permian Basin
5315 Buena Vista Dr., Carlsbad, NM 88220
C: (575)689-7597 | jim.raley@dvn.com



From: Raley, Jim
Sent: Wednesday, February 26, 2025 7:33 AM
To: eco@slo.state.nm.us
Cc: NM TX Geo Group
Subject: Site Characterization and Remediation Addendum - Barbados State #001 SWD Incident Number nAB1619656595

Eco,
We have a remediation plan we would like to submit for the 30-015-27558 - BARBADOS STATE #001 - nAB1619656595
The file is too large to email. Could you send a link to upload.

Jim Raley | Environmental Professional - Permian Basin
5315 Buena Vista Dr., Carlsbad, NM 88220
C: (575)689-7597 | jim.raley@dvn.com



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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

QUESTIONS

Action 305995

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 305995
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1619656595**
Incident Name	**NAB1619656595 BARBADOS STATE #001 @ 30-015-27558**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-27558] BARBADOS STATE #001**

Location of Release Source	
Site Name	**BARBADOS STATE #001**
Date Release Discovered	**06/28/2016**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	35,067
What is the estimated number of samples that will be gathered	45
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/24/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Gilbert Moreno at (432)-305-6414 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Hidalgo Road and Rubble Lane, continue SW on Hidalgo Road for approximately 1.5 miles, turn right on lease road, continue 0.1 miles to the Site.

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1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 305995

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 305995
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/22/2024

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 306721

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 306721
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1619656595**
Incident Name	**NAB1619656595 BARBADOS STATE #001 @ 30-015-27558**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-27558] BARBADOS STATE #001**

Location of Release Source	
Site Name	**BARBADOS STATE #001**
Date Release Discovered	**06/28/2016**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	35,067
What is the estimated number of samples that will be gathered	45
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/25/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Gilbert Moreno at (432)-305-6414 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Hidalgo Road and Rubble Lane, continue SW on Hidalgo Road for approximately 1.5 miles, turn right on lease road, continue 0.1 miles to the Site.

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 306721
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/23/2024

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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 307930

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 307930
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1619656595**
Incident Name	**NAB1619656595 BARBADOS STATE #001 @ 30-015-27558**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-27558] BARBADOS STATE #001**

Location of Release Source	
Site Name	**BARBADOS STATE #001**
Date Release Discovered	**06/28/2016**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	35,067
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/29/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Gilbert Moreno at (432)-305-6414 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Hidalgo Road and Rubble Lane, continue SW on Hidalgo Road for approximately 1.5 miles, turn right on lease road, continue 0.1 miles to the Site.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 307930
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/25/2024

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State of New Mexico
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Santa Fe, NM 87505

QUESTIONS

Action 307935

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 307935
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1619656595**
Incident Name	**NAB1619656595 BARBADOS STATE #001 @ 30-015-27558**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-27558] BARBADOS STATE #001**

Location of Release Source	
Site Name	**BARBADOS STATE #001**
Date Release Discovered	**06/28/2016**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	35,067
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/30/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Gilbert Moreno at (432)-305-6414 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Hidalgo Road and Rubble Lane, continue SW on Hidalgo Road for approximately 1.5 miles, turn right on lease road, continue 0.1 miles to the Site.

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State of New Mexico
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Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	246289
	Action Number: 307935
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/25/2024

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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 307939

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 307939
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1619656595**
Incident Name	**NAB1619656595 BARBADOS STATE #001 @ 30-015-27558**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-27558] BARBADOS STATE #001**

Location of Release Source	
Site Name	**BARBADOS STATE #001**
Date Release Discovered	**06/28/2016**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	35,067
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/31/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Gilbert Moreno at (432)-305-6414 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Hidalgo Road and Rubble Lane, continue SW on Hidalgo Road for approximately 1.5 miles, turn right on lease road, continue 0.1 miles to the Site.

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Santa Fe, NM 87505

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 307939
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/25/2024

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Santa Fe, NM 87505

QUESTIONS

Action 310531

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 310531
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1619656595**
Incident Name	**NAB1619656595 BARBADOS STATE #001 @ 30-015-27558**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-27558] BARBADOS STATE #001**

Location of Release Source	
Site Name	**BARBADOS STATE #001**
Date Release Discovered	**06/28/2016**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	35,067
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/05/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Gilbert Moreno at (432)-305-6414 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Hidalgo Road and Rubble Lane, continue SW on Hidalgo Road for approximately 1.5 miles, turn right on lease road, continue 0.1 miles to the Site.

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Santa Fe, NM 87505

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 310531
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/1/2024

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Santa Fe, NM 87505

QUESTIONS

Action 310534

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 310534
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1619656595**
Incident Name	**NAB1619656595 BARBADOS STATE #001 @ 30-015-27558**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-27558] BARBADOS STATE #001**

Location of Release Source	
Site Name	**BARBADOS STATE #001**
Date Release Discovered	**06/28/2016**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	35,067
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/06/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Gilbert Moreno at (432)-305-6414 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Hidalgo Road and Rubble Lane, continue SW on Hidalgo Road for approximately 1.5 miles, turn right on lease road, continue 0.1 miles to the Site.

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State of New Mexico
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Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 310534
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/1/2024

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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 380617

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 380617
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1619656595**
Incident Name	**NAB1619656595 BARBADOS STATE #001 @ 30-015-27558**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Received**
Incident Well	**[30-015-27558] BARBADOS STATE #001**

Location of Release Source	
Site Name	**BARBADOS STATE #001**
Date Release Discovered	**06/28/2016**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	35,067
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/09/2024
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From CR 429 & Hildago Rural Rd, Go SW Hildago APPX 1.48 mi, Travel NW on Dirt Rd 0.08 mi to pad.

District I
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CONDITIONS

Action 380617

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 380617
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/4/2024

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QUESTIONS

Action 380619

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 380619
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1619656595**
Incident Name	**NAB1619656595 BARBADOS STATE #001 @ 30-015-27558**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Received**
Incident Well	**[30-015-27558] BARBADOS STATE #001**

Location of Release Source	
Site Name	**BARBADOS STATE #001**
Date Release Discovered	**06/28/2016**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	35,067
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/10/2024
Time sampling will commence	09:30 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From CR 429 & Hildago Rural Rd, Go SW Hildago APPX 1.48 mi, Travel NW on Dirt Rd 0.08 mi to pad.

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CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 380619
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/4/2024

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QUESTIONS

Action 380624

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 380624
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1619656595**
Incident Name	**NAB1619656595 BARBADOS STATE #001 @ 30-015-27558**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Received**
Incident Well	**[30-015-27558] BARBADOS STATE #001**

Location of Release Source	
Site Name	**BARBADOS STATE #001**
Date Release Discovered	**06/28/2016**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	35,067
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/11/2024
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From CR 429 & Hildago Rural Rd, Go SW Hildago APPX 1.48 mi, Travel NW on Dirt Rd 0.08 mi to pad.

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CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 380624
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/4/2024

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QUESTIONS

Action 380626

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 380626
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1619656595**
Incident Name	**NAB1619656595 BARBADOS STATE #001 @ 30-015-27558**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Received**
Incident Well	**[30-015-27558] BARBADOS STATE #001**

Location of Release Source	
Site Name	**BARBADOS STATE #001**
Date Release Discovered	**06/28/2016**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	30,067
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/12/2024
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From CR 429 & Hildago Rural Rd, Go SW Hildago APPX 1.48 mi, Travel NW on Dirt Rd 0.08 mi to pad.

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CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 380626
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/4/2024

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 484286

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 484286
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1619656595**
Incident Name	**NAB1619656595 BARBADOS STATE #001 @ 30-015-27558**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-27558] BARBADOS STATE #001**

Location of Release Source	
Site Name	**BARBADOS STATE #001**
Date Release Discovered	**06/28/2016**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	35,067
What is the estimated number of samples that will be gathered	3
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/17/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From CR 429 & Hildago Rural Rd, Go SW Hildago APPX 1.48 mi, Travel NW on Dirt Rd 0.08 mi to pad.

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Phone: (505) 476-3441

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 484286
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	7/11/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	7/11/2025

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Santa Fe, NM 87505

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 487010
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1619656595**
Incident Name	**NAB1619656595 BARBADOS STATE #001 @ 30-015-27558**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-27558] BARBADOS STATE #001**

Location of Release Source	
Site Name	**BARBADOS STATE #001**
Date Release Discovered	**06/28/2016**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	35,067
What is the estimated number of samples that will be gathered	3
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/25/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From CR 429 & Hildago Rural Rd, Go SW Hildago APPX 1.48 mi, Travel NW on Dirt Rd 0.08 mi to pad.

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Phone: (505) 476-3441

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Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 487010
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

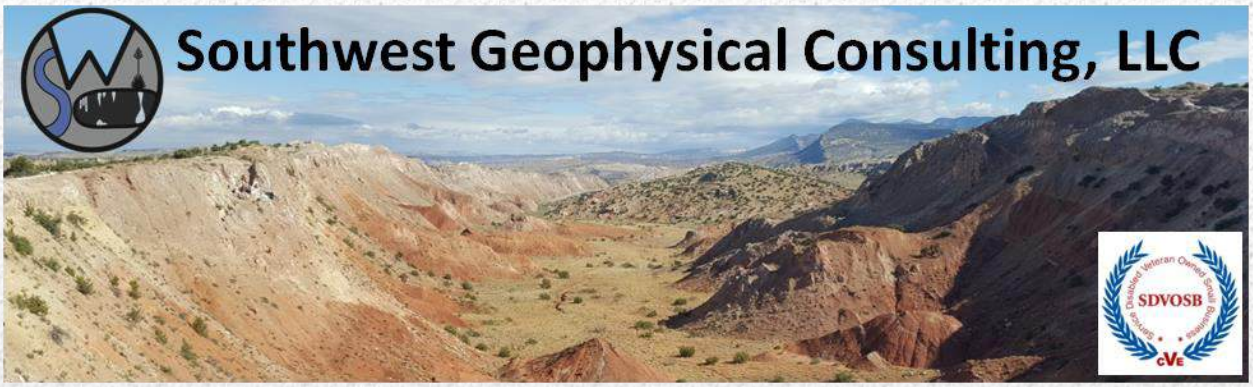
CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	7/21/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	7/21/2025

APPENDIX K

Archived Environmental Karst Survey Reports

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213



Cave and Karst Resource Inventory Report
Barbados State #001 SWD
Eddy County, New Mexico

Prepared for:

eTech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa, TX 79765

☑ **Positive – HKOZ remediation process required**

☐ **Negative – MKOZ remediation process may be approved by the Oil Conservation Division**

September 15 2023

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MMXXIII

TABLE OF CONTENTS

FRONT MATTER i
TABLE OF CONTENTS ii
LIST OF FIGURES iii
LIST OF TABLES iii
1.0 INTRODUCTION 1
1.1 Goals of this Study 1
1.2 Summary of Findings 1
1.3 Affected Environment 2
1.4 Limitations of Report 3
2.0 LOCATION AND DESCRIPTION OF STUDY AREA 4
2.1 Description of Site 4
2.2 Local Geology 5
2.3 Description of Survey 6
2.4 Description of Karst Features 8
3.0 RECOMMENDATIONS 10
3.1 Summary 10
3.2 Best Practices 10
4.0 REFERENCES 12
5.0 GLOSSARY OF TERMS AND ABBREVIATIONS 13
6.0 ATTESTATION 15

LIST OF FIGURES

Figure 1: Karst occurrence overview 2
Figure 2: Land ownership and PLSS overview..... 4
Figure 3: Geology overview 5
Figure 4: Survey overview..... 7

LIST OF TABLES

Table 1: Karst Feature Data Table..... 9

1.0 INTRODUCTION

An aerial karst survey was commissioned by eTech Environmental and Safety Solutions, Inc. (hereinafter referred to as "the client"), on July 19, 2023, for the purpose of determining the presence of karst-related surface features within the Barbados State #001 SWD project site (hereinafter termed “BARB”).

As indicated in section ***1.3 Affected Environment***, the bedrock and overlying soil at the survey site are susceptible to sinkhole development and karst features may be hidden beneath the existing soil stratum. Risk associated with sinkhole formation can be minimized during remediation by careful excavation of the spill site and the control of site hydrology. The owner/ developer must recognize, however, that a risk of sinkhole-induced damage to infrastructure does exist even after remediation. The owner/developer must evaluate the risks and attendant costs of not performing a geophysical survey prior to remediation and must be willing to accept these risks if it is decided that a surface karst survey is sufficient. Southwest Geophysical Consulting can provide a geophysical survey. If the decision is made to conduct a geophysical survey, a cost estimate and timeline will be provided upon request.

1.1 Goals of this Study

To provide the client with the location and description of any surface karst-related features within the survey boundary for the BARB project site as provided by the client via e-mail (**BARB_PAD_UTM13.shp**) on July 19, 2023

1.2 Summary of Findings

One high-likelihood and three medium-likelihood surface karst features are located within the aerial survey area.

The presence of these and nearby surface features indicates that this area is karstified and may contain buried karst features. Caution should be exercised while clearing brush and during any excavation or remediation operations. Employing a Bureau of Land Management approved karst monitor on site during remediation operations should be considered. Please see the section entitled ***2.4 Description of Karst Features*** and **Table 1** for a full list of the located features.

1.3 Affected Environment

The BARB project is located in evaporite karst terrain, a landform that is characterized by underground drainage through solutionally enlarged conduits. Evaporite karst terrain may contain sinkholes, sinking streams, caves, and springs. Sinkholes leading to underground drainages and voids are common. These karst features, as well as occasional fissures and discontinuities in the bedrock, provide the primary sources for rapid recharge of the groundwater aquifers of the region.

Karst features are delicate resources that are often of geological, hydrological, biological, and archeological importance, and should be protected. The three primary concerns in these types of terrain are environmental issues, worker safety, and infrastructure integrity.

The Bureau of Land Management (BLM) categorizes all areas within the Carlsbad Field Office (CFO) zone of responsibility as having either low, medium, or high cave potential based on geology, occurrence of known caves, density of karst features, and potential impacts to freshwater aquifers[1]. These designations are also recognized by the New Mexico State Land Office (NMSLO). This project occurs within a **HIGH** karst occurrence zone (HKOZ)[2] (**Figure 1**).

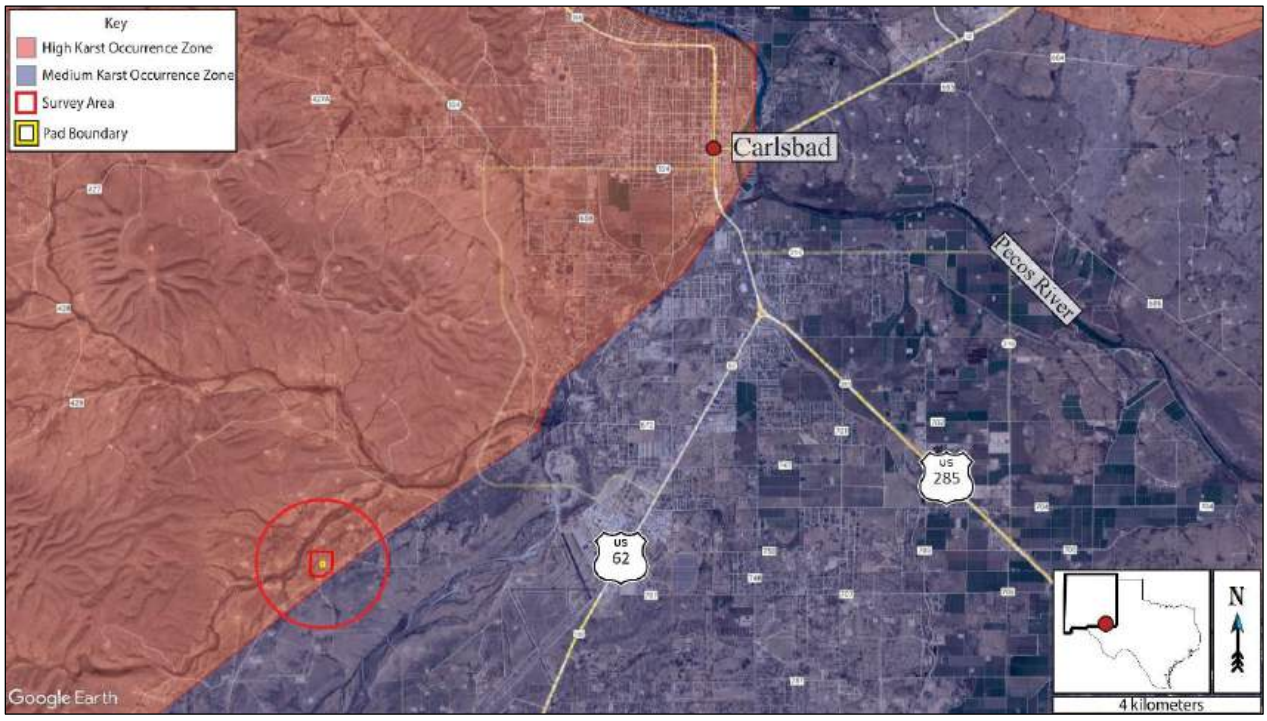


Figure 1: Karst occurrence zone overview. Background image: Google Earth. Image date: December 21, 2019. Datum: WGS-84.

A high karst occurrence zone is defined as an area in known soluble rock types that contains a high frequency of significant caves and karst features such as sinkholes, bedrock fractures that provide rapid recharge of karst aquifers, and springs that provide riparian habitat[1].

1.4 Limitations of Report

This report should be read in full. No responsibility is accepted for use of any part of this report in any other context or for any other purpose or by third parties. This report does not purport to give legal advice. Legal advice can only be given by qualified legal practitioners.

This report has been prepared for the use of eTech Environmental & Safety Solutions, Inc., in accordance with generally accepted consulting practices. Every effort has been made to ensure the information in this report is accurate as of the time of its writing. This report has not been prepared for use by parties other than the client, their contracting party, and their respective advisors. It may not contain sufficient information for the purposes of other parties or for other uses.

This report was prepared upon completion of the associated fieldwork using a standard template prepared by Southwest Geophysical Consulting and is based on information collected prior to fieldwork, conditions encountered on site, and data collected during the fieldwork and reviewed at the time of preparation. Southwest Geophysical Consulting disclaims responsibility for any changes that might have occurred at the site after this time. The interpreted results, locations, and depths noted in this report (if applicable) should be taken as an interpretation only and no decision should be based solely on this information. Physical verification of aerial imagery analysis results in the field should be conducted prior to conducting any remediation activities if these activities will impinge into the recommended buffers.

To the best of our knowledge, information contained in this report is accurate at the date of issue; however, conditions on the site can change in a limited time and, therefore, the information in this report shall not be used beyond three years past the date of imagery collection (see section ***2.3 Description of Survey***).

2.0 LOCATION AND DESCRIPTION OF STUDY AREA

2.1 Description of Site

The BARB project site is located in Eddy County, New Mexico, 11.0 kilometers (6.3 miles) southwest of Carlsbad, New Mexico, north of Hidalgo Rural Road (**Figure 1** and **Figure 2**). The survey area is within section 32 of NM T22S R26E[3]. The region is semi-arid with an average annual precipitation of approximately 13 inches, of which about two-thirds falls as rain during summer thunderstorms from June to October. Summers are hot and sunny while winters are generally mild, with an average maximum temperature of 96°F in July and an average minimum temperature of 28°F in January[4]. This area is within the Chihuahuan Desert Thornscrub as defined by the Southwestern Regional ReGAP Vegetation map[5] and the vegetation consists mostly of areas of grass, sparse creosote, and sparse yucca, with very good visibility in most locations. See section ***2.2 Local Geology*** for the geology of the area. The project site is located entirely within an HKOZ[2] (**Figure 1**) and within NMSLO managed land[6] (**Figure 2**).

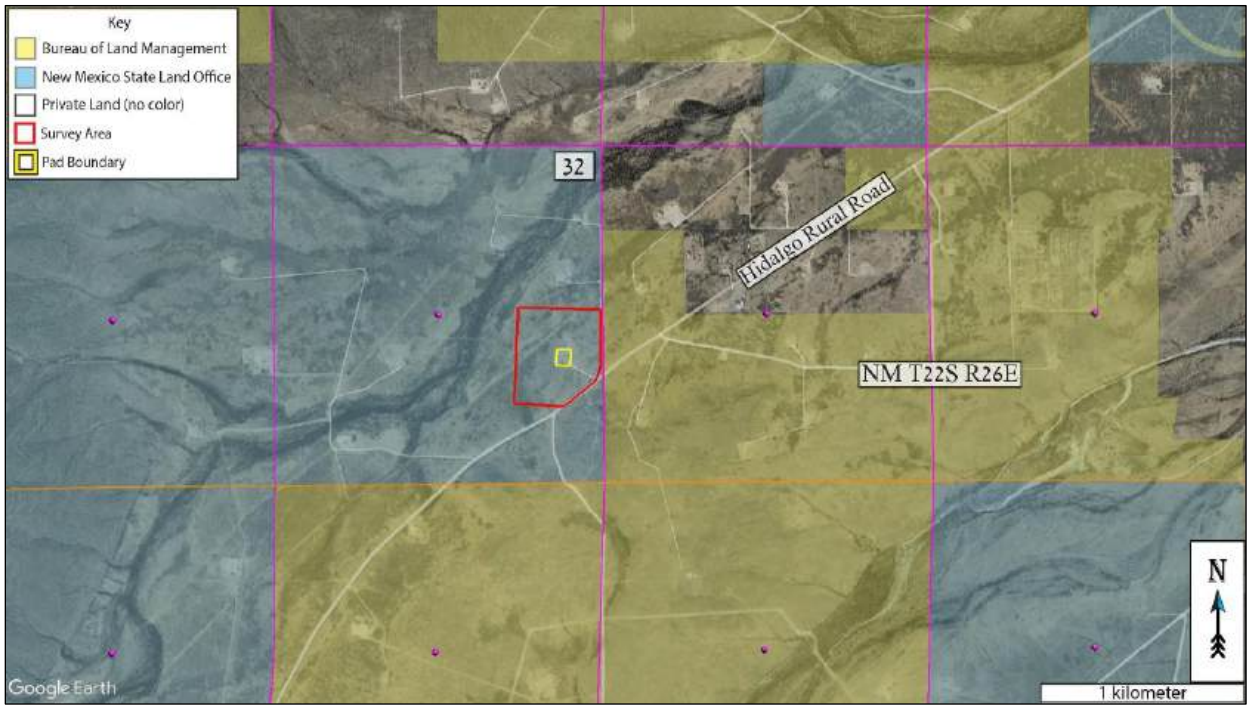


Figure 2: Land ownership[6] and PLSS[3] overview. Background image credit: Google Earth. Image date: December 21, 2019. Datum: WGS-84.

2.2 Local Geology

The area surveyed for the BARB project is located at an elevation of 1,017 meters (3,337 feet), ± 6 meters (19.7 feet), and is underlain by the Permian Artesia Group (Pat) and Permian Salado Formation (Psl). The area is mantled by thin gypsiferous soils and Quaternary aeolian and alluvial sands (Qal)[7] between 0 and 6 meters in depth (**Figure 3**).

The Artesia Group consists of the Greyburg and Queen Formations (Pqg), the Seven Rivers Formation (Psr), the Yates Formation (Py), and the Tansill Formation (Pt)[8]. At this location, the Yates and Tansill Formations immediately underly the Quaternary units. The Tansill Formation is mostly carbonate with minor siltstone and anhydrite. The carbonate is susceptible to karst formation. The Yates Formation is dominated by a quartz-rich, frosted-sandstone facies with minor carbonate, anhydrite, and siltstone. The zones of carbonate and anhydrite are susceptible to karst formation[8]. The Seven Rivers Formation underlies the Yates and Tansill Formations and is a back-reef facies containing interbeds of dolomite and gypsum and occasional sandstone lenses. Both the dolomite and gypsum are subject to karst formation.

The Salado Formation overlies the Artesia Group and contains a layer of extremely soluble halite which can readily dissolve to create caves, sinkholes and other karst features; however, due to its extremely soluble nature, only non-soluble silt and sand remain from the dissolution of this layer at the surface[12].



Figure 3: Geology overview. Map credit: The Digital Geologic Map of New Mexico in ARC/INFO Format[9], and Google Earth. Image date: December 21, 2019. Datum: WGS-84.

This area is karstified and has several karst features within the survey area. Known swallets, sinkholes, and caves exist nearby, but outside the survey area. Caution is recommended during any surface activities including surface inspection, brush clearing, and trenching. The survey area is covered by the easily accessible Geologic Map of New Mexico (2003) at 1:500,000 scale[7].

2.3 Description of Survey

Southwest Geophysical Consulting, in partnership with SWCA Environmental Consultants, provides aerial karst surveys using drones that are flown by qualified, FAA licensed drone pilots and that meet the stringent Bureau of Land Management – Carlsbad Field Office requirements for both pedestrian and aerial karst surveys.

Aerial karst surveys are conducted at low elevation following a preplanned raster pattern flightpath designed for the purpose of generating at least 75% imagery overlap. The collected high-resolution, georeferenced imagery is stitched together to develop orthomosaic imagery which is further developed into a digital elevation model (DEM); the DEM is then processed into a local relief model (LRM) (**Figure 4**). This LRM is color coded to enhance differences in elevation of as little as five centimeters. The orthoimagery, DEM, and LRM are uploaded to a server where they are analyzed by a highly qualified karst geologist. Finally, the data is reviewed by a senior karst geologist for quality assurance and downloaded into a table for inclusion in a written report[10].



Figure 4: Survey overview. Background image credit: Google Earth. Image date: December 21, 2019. Datum: WGS-84.

Resolution of the orthoimagery is clear enough that features as small as 10 centimeters can be positively identified in most circumstances. Occasionally there are ambiguous features identified during an aerial survey that will need to be checked in the field if they impact the facility's location. Specifically, it is difficult to tell the difference between solution tubes, abandoned uncased well bores, and some burrows in drone imagery[11]. These features are marked with yellow dots in **Figure 4**. If a feature is subsequently verified in the field prior to publication of the report, the dot will be changed to red triangle if confirmed as a karst feature or deleted if not.

The imagery for the BARB study was collected via aerial survey by Pat Lagodney of SWCA on August 23, 2023. Surface karst features may have developed after this date and will not be noted in this report. Imagery analysis was completed by Garrett Jorgensen Olague of Southwest Geophysical Consulting on September 6, 2023.

Prior to conducting the aerial karst surveys, a surface karst desk study was performed by Southwest Geophysical Consulting. The study was performed using satellite and aerial imagery from Google Earth Pro dated December 21, 2019 (please note features less than one meter in diameter are generally not visible); the Southwest Geophysical Cave and Karst Database dated August 21, 2023; and the Kitchen Cove, NM, 1:24,000 quad, 1985, USGS topographic map. Please note that we use older topographic maps because newer maps have had caves removed from them. These searches and queries returned no results within the survey boundary.

2.4 Description of Karst Features

One high-likelihood surface karst feature is located within the aerial survey area (**Figure 4**, **Table 1**). High-likelihood surface karst features are features that are positively identified in either satellite or aerial imagery as karst features but have not been field checked.

Three medium-likelihood surface karst features are located within the aerial survey area (**Figure 4**, **Table 1**). Medium-likelihood surface karst features are ambiguous in aerial imagery and should be site-checked for verification if they impact the facility's location. The features identified in this report as medium likelihood are probably burrows or shadows, or erosional in nature; however, there is insufficient evidence to make this determination and therefore these features cannot be ruled out.

These features and any potential hydrologic pathways into them should be considered during site and remediation planning (**Figure 4**, see section **3.0 RECOMMENDATIONS** for further information).

Caution should be exercised while operating in or around all karst-related features due to the possibility of near-surface voids. Please be aware that the area may contain buried karst features outside of these areas. Caution is advised while clearing brush and during trenching and excavation activities outside of these zones. Employing a BLM-CFO approved karst monitor on site during these activities should be considered.

Table 1 contains a list of features identified during the aerial karst survey and subsequent imagery analysis. Each feature is identified with a feature identification number (Feature ID), the type of feature, estimated size (in meters), recommended buffer (in meters), the likelihood of this feature being a surface karst feature (modifiers H/M for high or medium likelihood, V for field verified), and its location in WGS-84/UTM-13 (EPSG: 32613).

Table 1: Karst Feature Data Table

Feature ID	Type	Size (m)	Buffer (m)	Modifier	Easting	Northing
PKF 230901-G01	Swallet	1.3	100	H	564979.473	3579281.924
PKF 230901-G02	Collapse feature	0.6	50	M	565217.647	3579087.167
PKF 230901-G03	Swallet	0.5	50	M	565215.791	3579061.989
PKF 230901-G04	Solution Chimney	0.2	50	M	565171.792	3578952.136

NOTE: Location data provided in WGS-84/UTM 13S. PKF – possible karst feature.

3.0 RECOMMENDATIONS

3.1 Summary

- One high-likelihood and three medium-likelihood surface karst features are located within the aerial survey area (**Figure 4**, **Table 1**).
- **Consider these features and whether surface flow may impact or has already impacted them during site and remediation planning** (**Figure 4**)**.**
- The presence of these and other nearby surface karst features indicates that this area is karstified and may contain buried karst features.
- Caution should be exercised while clearing brush and during any excavation, trenching, drilling, or remediation operations.
- Employing a BLM-CFO approved karst monitor during excavation or remediation operations near these features should be considered.

3.2 Best Practices

Because of the ambiguous nature of the medium-likelihood surface karst features found in the survey area, caution should be used while working in or near feature buffer zones. **Please be advised that any remediation operations conducted within a medium-likelihood surface karst feature buffer will require a field verification by a BLM-CFO approved karst vendor to confirm the nature of these features.**

This area may be prone to rapid karst formation in the underlying stratigraphy and warrants careful planning and engineering to mitigate karst-forming processes that could be accelerated by poor planning and considerations. Proper practices following karst guidelines should be implemented during all phases of remediation. Mitigation measures for any karst features revealed during excavation or drilling shall be approved by the Bureau of Land Management – Carlsbad Field Office and follow the Natural Resources Conservation Service Conservation Practice Standard for Karst Sinkhole Treatment, Code 527, or the Bureau of Land Management Cave and Karst Management Handbook, H-8380-1.

Keep in mind that any flow of gypsum-undersaturated waters into a small crack or crevice can rapidly dissolve any underlying gypsum and cause failure of an impoundment or infrastructure within a matter of months to a few years.

Vigilance during remediation is paramount. If voids are encountered during excavation or drilling, contact the Bureau of Land Management Karst Division at (575) 234-5972, the New Mexico State Land Office Surface Resources Division at (505) 827-5768, or a BLM-CFO approved karst vendor and request an on-site investigation from a karst expert if one is not already on site. A karst consultant can generally be available in Eddy County within five hours.

Approved karst monitors should have karst feature identification training, at least two years of supervised experience identifying karst features, wilderness first aid training, SRT training, confined space training, gas monitor training, and a minimum of SPAR cave rescue training through NCRC. They should have with them the proper gear and be prepared both physically and mentally to enter a collapse feature within minutes to perform a rescue if needed. Monitoring services with qualified karst monitors, as well as cave surveys and geophysical surveys, are available from Southwest Geophysical Consulting.

Under no circumstances should an untrained, inexperienced person enter a cave, pit, sinkhole, or collapse feature. All field employees of Southwest Geophysical Consulting have extensive caving experience and the ability to determine whether entry into a karst feature is safe or presents a hazard. In the event it is necessary to enter a karst feature, Southwest Geophysical Consulting can provide these services on request.

Cave and karst resource inventory reports for the BLM-CFO should be submitted to:

blm_nm_karst@blm.gov

Cave and karst resource inventory reports for the NMSLO should be submitted to the respective project manager.

4.0 REFERENCES

1 Goodbar, J. R. Vol. BLM Management Handbook H-8380-1 (ed Carlsbad Field Office) 59 (Bureau of Land Management, Denver, CO, 2015).

2 Rybacki, K. (Bureau of Land Management - Carlsbad Field Office, 2020).

3 Earthpoint. *Earthpoint Tools for Google Earth*, <https://www.earthpoint.us/Townships.aspx> (2022).

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5 Whitehead, W. & Flynn, C. *Plant Utilization in Southeastern New Mexico: Botany, Ethnobotany, and Archaeology* (Bureau of Land Management, Carlsbad Field Office, 2017).

6 NMSLO. Digital overlay (KML) of the surface land ownership in New Mexico (New Mexico State Land Office, Santa Fe, NM, 2016).

7 Scholle, P. A. Geologic Map of New Mexico (2003).

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9 Green, G. N. & Jones, G. E. *The Digital Geologic Map of New Mexico in ARC/INFO Format*, <https://mrdata.usgs.gov/geology/state/state.php?state=NM> (1997).

10 Whitehead, W., Bandy, M. & Decker, D. Protocol for Using UAV Photography for Rapid Assessment of Karst Features in Southeast New Mexico. *Proceedings of the 2022 Cave and Karst Management Symposium* (2022).

11 Decker, D. D. & Jorgensen, G. L. (ed LLC Southwest Geophysical Consulting) (Private Correspondence, 2020).

12 Martinez, J. D., Johnson, K. S. & Neal, J. T. Sinkholes in Evaporite Rocks. *American Scientist* **86**, 38-51 (1998).

5.0 GLOSSARY OF TERMS AND ABBREVIATIONS

BLM-CFO	Bureau of Land Management - Carlsbad Field Office
caprock-collapse sinkhole	Collapse of roof-spanning rock into a cave or void.
cave	Natural opening at the surface large enough for a person to enter.
cover-collapse sinkhole	Collapse of roof-spanning soil or clay ground cover into a subsurface void.
GPS	Global Positioning System
grike	A solutionally enlarged, vertical, or sub-vertical joint or fracture.
(H)	High confidence modifier for a PKF. This is typically reserved for a feature that is definitely karst but has not been confirmed in the field.
HKOZ	High Karst Occurrence Zone
InSAR	Interferometric Synthetic Aperture Radar. A method by which radar signals from satellites are processed to determine the amount and rate of subsidence of an area as well as whether the area is actively subsiding.
(L)	Low confidence modifier for a PKF. This is typically a feature that cannot be ruled out as karst but is most likely NOT karst related. This modifier may also be used for pseudokarst features.
LED	Locally enclosed depression. A natural depression on the surface that collects rainwater. Some contain swallets and/or caves, others do not.
LKOZ	Low Karst Occurrence Zone
(M)	Medium confidence modifier for PKF. This is an ambiguous feature that can't be positively identified as karst without a field visit (e.g., burrows, abandoned unlined wells, solution tubes, pseudokarst).
MKOZ	Medium Karst Occurrence Zone
NCRC	National Cave Rescue Commission
NKF	Non-karst feature. Used for features originally identified as PKF that have been subsequently identified in the field as non-karst related. This term may also be used for pseudokarst features.
NMSLO	New Mexico State Land Office
Pat	Permian Artesia Group
Pdl	Permian Dewey Lake Formation
PKF	Possible karst feature. This term is reserved for features identified in satellite or aerial imagery that have NOT been visited in the field. Further modifiers include (H) for high confidence, (M) for medium confidence, and (L) for low confidence. These confidence levels are based on field experience.
PLSS	Public Land Survey System

Pqg	Permian Queen/Greyburg Formation
Pr	Permian Rustler Formation
pseudokarst	Karst-like features (sinkholes, conduits, voids etc.) that are not formed by dissolution. These types of features include soil piping, lava tubes, and some cover-collapse and suffosion sinkholes.
Psl	Permian Salado Formation
Psr	Permian Seven Rivers Formation
Pt	Permian Tansill Formation
Py	Permian Yates Formation
Qal	Quaternary alluvium
Qp	Quaternary piedmont deposits
Qpl	Quaternary playa lake deposits
RKF	Recognized karst feature. This term is reserved for karst features that have been physically verified in the field.
SKF	Surface Karst Feature
SPAR	Small Party Assisted Rescue
suffosion sinkhole	Raveling of soil into a pre-existing void or fracture.
swallet	A natural opening in the surface, too small for a person, that drains water to an aquifer. Some are "open," meaning a void can be seen below; some are "closed, "meaning they are full of sediment.
SWG	Southwest Geophysical Consulting, LLC
UTM	Universal Transverse Mercator (projected coordinates)
(V)	Field verified modifier for a PKF. This indicates that the feature has been visited by a qualified karst professional in the field and fully identified
WGS	World Geodetic System (geographic coordinates)

6.0 ATTESTATION

David D. Decker, PhD, PG, CPG
Chief Executive Officer, Principal Geologist
Southwest Geophysical Consulting, LLC
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Albuquerque, NM 87114
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CERTIFICATE OF AUTHOR

I, David D. Decker, a Licensed Professional Geologist and a Certified Professional Geologist, do certify that:

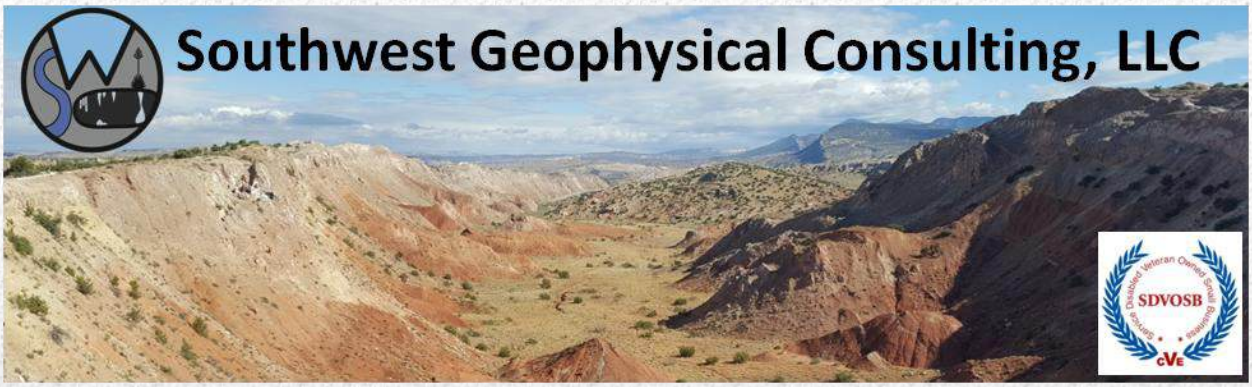
- I am currently employed as a consulting geologist in the specialty of caves and karst with an office address of 5117 Fairfax Dr. NW, Albuquerque, NM, USA, 87114.
- I graduated with a Master of Science in Applied Physics with a specialization in Sensor Systems from the Naval Post Graduate School in Monterey, California, in 2003, and a Doctor of Philosophy in Earth and Planetary Sciences from the University of New Mexico, Albuquerque, New Mexico, in 2018.
- I am a Licensed Professional Geologist in the State of Texas, USA (PG-15242) and have been since 2021. I am a Certified Professional Geologist through the American Institute of Professional Geologists (CPG-12123) and have been since 2021.
- I have been employed as a geologist continuously since 2016. I was previously employed as a Fire Controlman, Naval Flight Officer, and Aerospace Engineering Duty Officer in the U.S. Navy and operated, maintained, and installed various sensor systems including magnetic, electromagnetic, radar, communications, and acoustic systems in various capacities from 1986 through 2010.
- I have been involved in various aspects of cave and karst studies continuously since 1985, including exploration, mapping, and scientific studies.
- I have read the definition of “qualified karst professional” set out in the ASTM Standard (currently in review). I meet the definition of “qualified professional” for the purposes of ASTM E-1527.
- I am responsible for the content, compilation, and editing of all sections of report number ETEC-002-20230719 entitled, “Cave and Karst Resource Inventory Report, Barbados State #001 SWD, Eddy County, New Mexico.” I or a duly authorized and qualified representative of Southwest Geophysical Consulting, LLC, have personally visited this site or reviewed the aerial imagery on the date or dates mentioned in section ***2.3 Description of Survey***.

- I have no prior involvement nor monetary interest in the described property or project, save for my fee for conducting this investigation and providing the report.

Dated in Albuquerque, New Mexico, September 15, 2023.

David D. Decker
PhD, CPG-12123





Environmental Karst Study Report
Barbados State No. 001 SWD
Eddy County, New Mexico

Prepared For:

eTech Environmental & Safety Solutions, Inc.

13000 West County Road 100

Odessa, TX 79765

☐ **Positive within 200 feet of spill delineation boundary**

☑ **Negative within 200 feet of spill delineation boundary**

☐ **Stable** ☑ **Unstable Ground**

☑ **Karst Monitor Recommended**

April 28, 2025

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TABLE OF CONTENTS

FRONT MATTER i
TABLE OF CONTENTS ii
LIST OF FIGURES iii
LIST OF TABLES iii
1.0 INTRODUCTION 1
1.1 Goals of this Study 1
1.2 Summary of Findings 1
1.3 Affected Environment 1
1.4 Limitations of Report 3
2.0 LOCATION AND DESCRIPTION OF STUDY AREA 4
2.1 Description of Site 4
2.2 Local Geology Summary 5
2.3 Description of Survey 6
2.3.1 Surface Karst Survey 6
2.3.2 Geophysical Survey 8
3.0 RESULTS 10
3.1 Surface Karst Survey 10
3.2 Geophysical Survey 12
4.0 DISCUSSION 14
5.0 SUMMARY 16
6.0 DISCLOSURE STATEMENT 16
7.0 REFERENCES 18
8.0 GLOSSARY OF TERMS 19
9.0 ATTESTATION 21

LIST OF FIGURES

Figure 1: Karst occurrence zone overview 2
Figure 2: Land ownership and PLSS overview 4
Figure 3: Geology overview 5
Figure 4: Surface survey overview 6
Figure 5: Geophysical survey overview 8
Figure 6: Surface karst survey results 10
Figure 7: 2D inverted resistivity sections 12
Figure 8: Data overlay 15

LIST OF TABLES

Table 1: Survey Line Data Table 9
Table 2: Software Information and Settings 9
Table 3: Surface Karst Feature Data Table 11
Table 4: Subsurface Anomaly Data Table 13

1.0 INTRODUCTION

This report was commissioned by eTech Environmental & Safety Solutions, Inc. (hereinafter referred to as "the client"), on March 6, 2025, for the purpose of conducting an environmental karst study within an area encompassing the Barbados State No. 001 SWD site (hereinafter termed “BS01”) centered at N 32.346833° W 104.309131°.

1.1 Goals of this Study

The goals of this study are to conduct a surface karst inventory and provide the client with the location and description of any surface karst features located within 200 feet (61 meters) of the spill delineation boundary (as defined by 19.15.29.12 NMAC[1]) and to determine whether stable ground exists (as defined by 19.15.2 NMAC Definitions[2]) within the spill boundary of the Barbados State 001 release using electrical resistivity imaging[3].

1.2 Summary of Findings

- **No surface karst features exist within the 200-foot (61-meter) zone surrounding the spill delineation boundary.**
- **Two anomalies consistent with air-filled voids are located within the BS01 resistivity survey area, indicating the zone beneath the geophysical survey may be subject to collapse.**
- **Well-layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted; however, due to the interpreted subsurface voids, this area cannot be considered stable ground.**
- **Employing a Bureau of Land Management approved karst monitor on-site during excavation is recommended.**

1.3 Affected Environment

The BS01 project site is located in evaporite karst terrain, a landform that is characterized by underground drainage through solutionally enlarged conduits. Evaporite karst terrain may contain sinkholes, sinking streams, caves, and springs. Sinkholes leading to underground drainages and voids are common. These karst features, as well as occasional fissures and discontinuities in the bedrock, provide the primary sources for rapid recharge of the groundwater aquifers of the region. Additionally, karst may develop by hypogene processes involving dissolution by upwelling fluids from depth independent of recharge from the overlying or immediately adjacent surface. Hypogene karst systems may not be connected to the surface and can remain undiscovered unless encountered during drilling or excavation.

Karst features are delicate resources that are often of geological, hydrological, biological, and archeological importance, and should be protected. The four primary concerns in these types of terrain are environmental issues, worker safety, equipment damage, and infrastructure integrity.

The Bureau of Land Management (BLM) categorizes all areas within the Carlsbad Field Office (CFO) zone of responsibility as having either low, medium, high, or critical cave potential based on geology, occurrence of known caves, density of karst features, and potential impacts to freshwater aquifers[4]. These designations are also recognized by the New Mexico State Land Office (NMSLO). This project occurs within a **CRITICAL** karst occurrence zone (CKOZ)[5] (**Figure 1**).

A critical karst occurrence zone is defined as an area in known soluble rock types with high density of significant cave systems and/or bedrock fractures that lead to the rapid recharge of karst groundwater aquifers from surface runoff. These areas provide critical drinking water supplies for major communities and ranching operations, and supply springs that support rivers and vital riparian habitats[4].

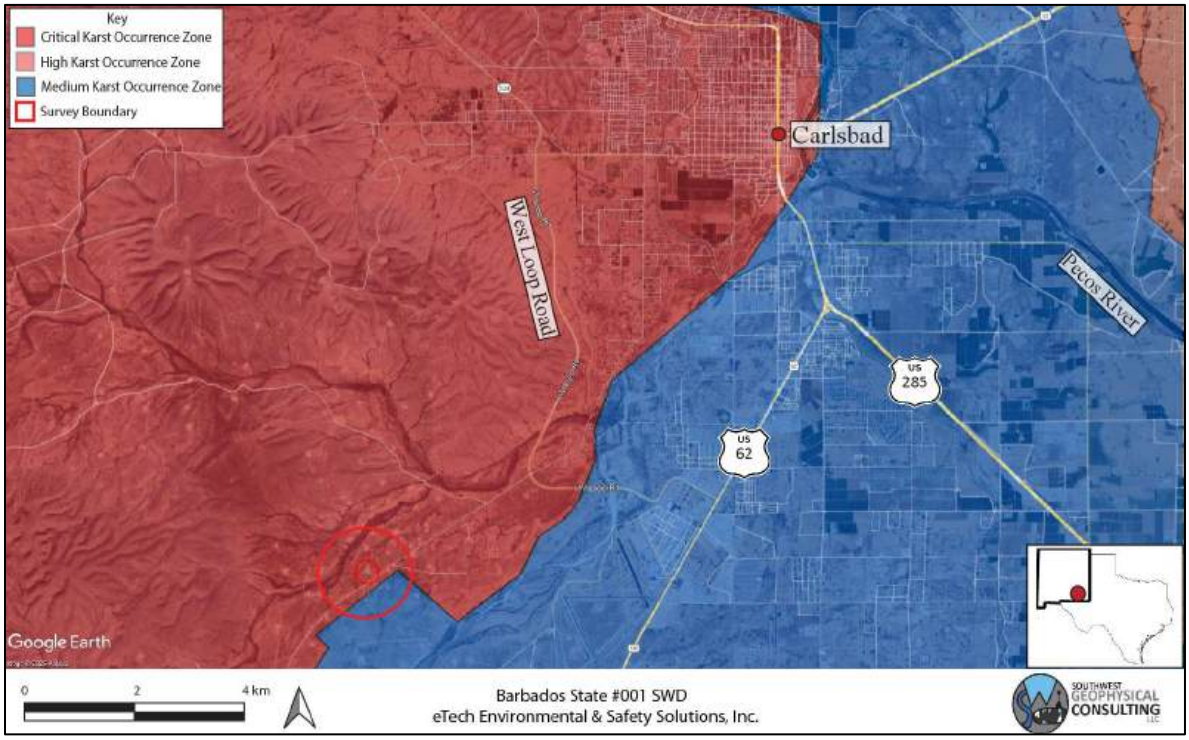


Figure 1: Karst occurrence zone overview. Background image credit: Google Earth. Image date: March 7, 2023. Image datum: WGS-84.

Due to the rapidity with which evaporite karst develops, each location within a BLM-CFO designated karst occurrence zone must be assessed on an individual basis to determine the existence of surface karst features and the possibility of sub-surface karst development each time a release occurs.

1.4 Limitations of Report

This report should be read in full. No responsibility is accepted for the use of any part of this report in any other context or for any other purpose or by third parties. This report does not purport to give legal advice. Legal advice can only be given by qualified legal practitioners.

This report has been prepared for the use of eTech Environmental & Safety Solutions, Inc., in accordance with generally accepted consulting practices. Every effort has been made to ensure the information in this report is accurate as of the time of its writing. This report has not been prepared for use by parties other than the client, their contracting party, and their respective consulting advisors. It may not contain sufficient information for the purposes of other parties or for other uses.

This report was prepared upon completion of the associated fieldwork using a standard template prepared by Southwest Geophysical Consulting and is based on information collected prior to fieldwork, conditions encountered on site, and data collected during the fieldwork and reviewed at the time of preparation. Southwest Geophysical Consulting disclaims responsibility for any changes that might have occurred at the site after this time. The interpreted results, locations, and depths noted in this report (if applicable) should be taken as an interpretation only and no decision should be based solely on this information. Physical verification of aerial imagery analysis results should be conducted in the field prior to using this information for remediation planning. Physical verification of geophysical results using geotechnical methods should be conducted.

To the best of our knowledge, the information contained in this report is accurate at the date of issue. Due to the nature of karst terrain, the information in this report shall not be used beyond two years past the dates of the field work provided in section ***2.3 Description of Survey***. Large weather events can shorten this time period as areas subject to karst development can rapidly form new features subsequent to these events.

2.0 LOCATION AND DESCRIPTION OF STUDY AREA

2.1 Description of Site

The site is located 10.9 kilometers (6.8 miles) southwest of Carlsbad, New Mexico, north of Hidalgo Rural Road and southwest of West Loop Road. The release area is located within section 32 of NM T22S R26E[6] (**Figure 1** and **Figure 2**). The region has rolling terrain with karstification occurring in the gypsite soils and underlying gypsum and dolomite bedrock[7] (see section ***2.2 Local Geology Summary*** for further information). The climate in this area of southeast New Mexico is semi-arid with an average annual precipitation of approximately 13 inches, of which about two-thirds falls as rain during summer thunderstorms from June to October. Summers are hot and sunny while winters are generally mild, with an average maximum temperature of 96°F in July and an average minimum temperature of 28°F in January[8]. This area is within the Chihuahuan Desert Thornscrub as defined by the Southwestern Regional ReGAP Vegetation map[9] and the vegetation consists mostly of areas of blue grama, nine-awned pappus grass, burro grass and low scrub including yucca. The spill delineation boundary is located within a CKOZ[5] (**Figure 1**) and NMSLO managed land[10] (**Figure 2**).

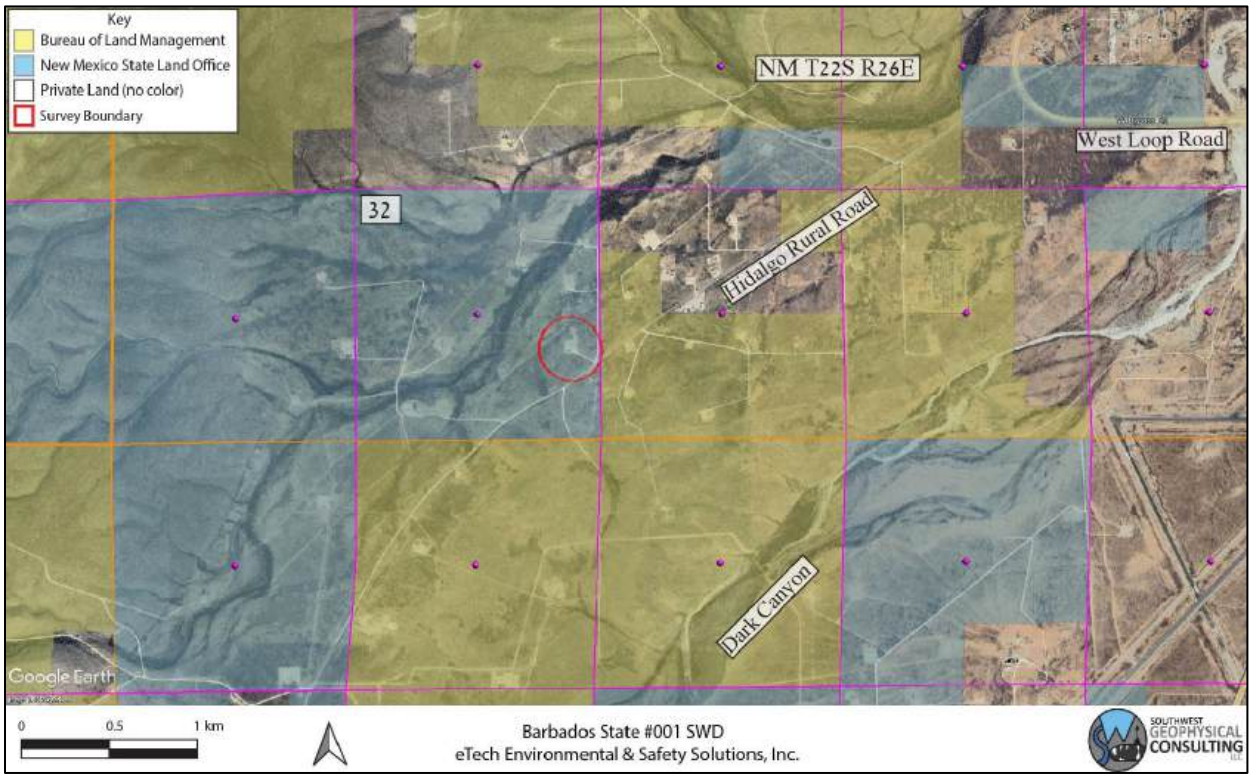


Figure 2: Land ownership and PLSS overview. Background image credit: Google Earth. Image date: March 7, 2023. Image datum: WGS-84.

2.2 Local Geology Summary

The site for the BS01 survey is located at an elevation of 1,015 meters (3,331 feet), ± 3 meters (9.8 feet). This region is underlain by the undivided Permian Tansill and Yates Formation (Pty). The area is mantled by thin calcareous soils (caliche) and piedmont gravels (Qp)[11] up to 5 meters in depth (**Figure 3**).

The Tansill Formation is mostly carbonate with minor siltstone and anhydrite. East of Highway 285 and along the Pecos River, the Tansill is predominantly dolomite. In places where the dolomitic beds are exposed, the contact with the overlying Salado gypsum and siltstone can also be seen. Both of the dolomitic and gypsiferous facies in the Tansill are prone to karst development[12].

The Yates Formation is dominated by a quartz-rich, frosted-sandstone facies with minor carbonate, anhydrite, and siltstone. Northwest of Carlsbad, there is a near-reef facies with inter-tongued carbonates and evaporites. The lower section of the Yates transitions with the upper portion of the Seven Rivers Formation. This area consists of dolomite interbedded with siltstone, fine-grained sandstone, and minor gypsiferous siltstone beds that are prone to karst development[12].

The survey area is covered by the easily accessible Geologic Map of New Mexico (2003) at 1:500,000 scale[13] and the Digital Geologic Map of New Mexico in ARC/INFO Format[11].

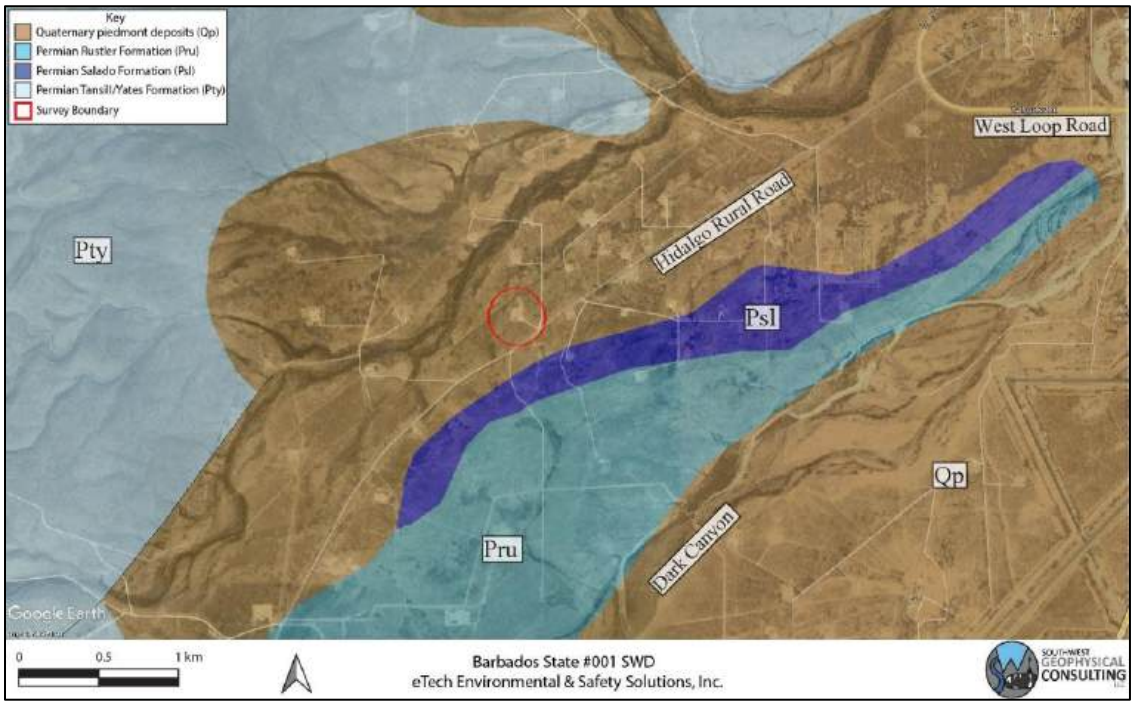


Figure 3: Geology overview. Geology map credit: The Digital Geologic Map of New Mexico in ARC/INFO Format. Background image credit: Google Earth. Image date: March 7, 2023. Image datum: WGS-84.

2.3 Description of Survey

2.3.1 Surface Karst Survey

Southwest Geophysical Consulting, in partnership with SWCA Environmental Consultants, provides surface karst surveys using small, uncrewed aerial systems (sUAS) that are flown by qualified, FAA licensed drone pilots and that meet the stringent Bureau of Land Management – Carlsbad Field Office requirements for both pedestrian and aerial karst surveys.

The surface karst survey includes a desk study prior to the flight which allows us to provide client feedback in the event of any previously known karst features in the area. The desk study is performed out to 305 meters (1,000 feet) from the spill delineation boundary per New Mexico Oil Conservation Division guidance[1] (**Figure 4**). The study was performed using satellite and aerial imagery from Google Earth Pro dated March 7, 2023 (please note features less than one meter in diameter are generally not visible using this method); the Southwest Geophysical Cave and Karst Database dated March 20, 2025[14]; the Kitchen Cove, NM, 1:24,000 quad, 1985, USGS topographic map; and the latest lidar imagery from CalTopo.com. Please note that we use older topographic maps because newer maps have had caves removed from them. These searches and queries returned no previously recorded karst features within the 305-meter survey boundary.

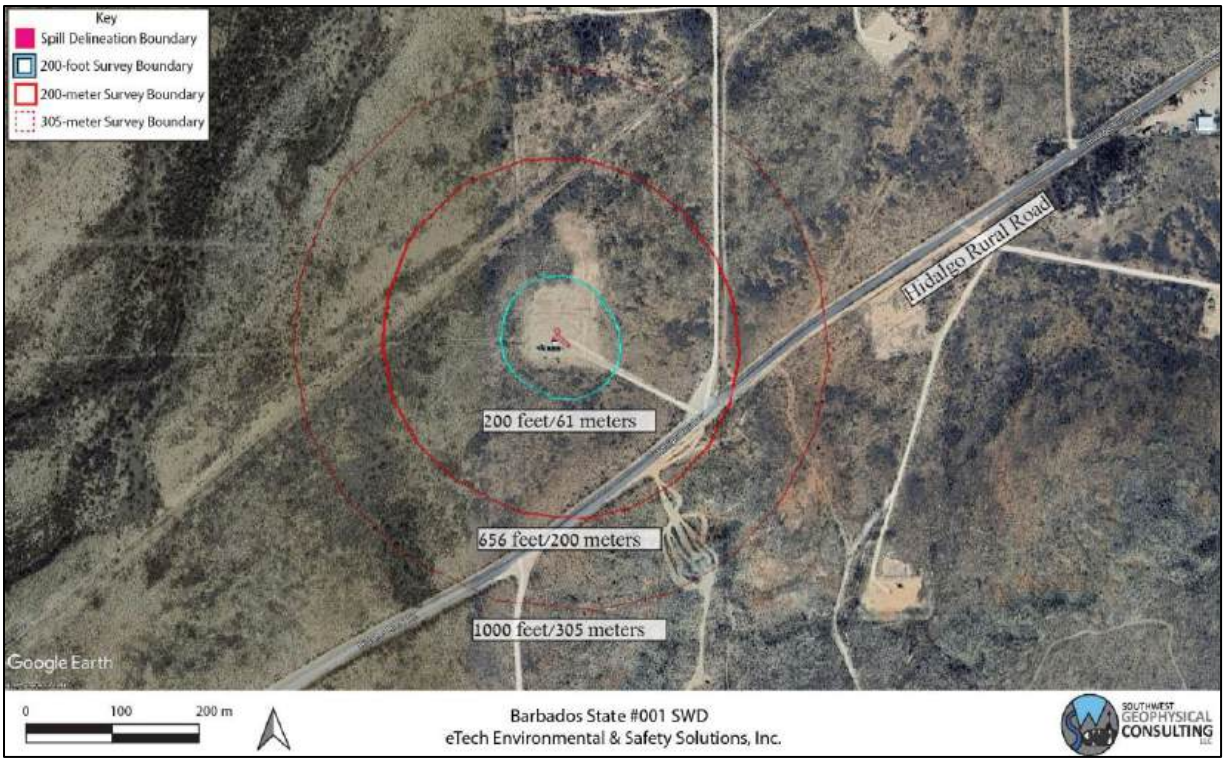


Figure 4: Surface survey overview. Background image credit: Google Earth. Image date: March 7, 2023. Datum: WGS-84.

Surface karst surveys are conducted by sUAS at low elevation within 200 meters of the spill delineation boundary[4] (**Figure 4**) following a preplanned raster pattern flightpath designed for the purpose of generating at least 75% imagery overlap. The collected high-resolution, georeferenced imagery is stitched together to develop orthomosaic imagery which is further developed into a digital elevation model (DEM); the DEM is then processed into a local relief model (LRM) (**Figure 6**). This LRM is color coded to enhance differences in elevation of as little as five centimeters. The orthoimagery, DEM, and LRM are uploaded to a server where they are analyzed by an experienced karst geologist. Finally, the data is reviewed by a senior karst geologist for quality assurance and downloaded into a table for inclusion in a written report[15].

The resolution of the orthoimagery is clear enough that features as small as 10 centimeters can be positively identified in most circumstances. Occasionally there are ambiguous features identified during an aerial survey that will need to be checked in the field if they are impacted by the proposed remediation efforts. Specifically, it is difficult to tell the difference between solution tubes, abandoned uncased well bores, and some burrows in drone imagery. If an ambiguous feature is located during imagery analysis, it is marked with a yellow dot in **Figure 6**. If a feature of any likelihood is subsequently verified in the field prior to publication of the report, the dot will be changed to a red triangle if confirmed as a karst feature or deleted if not.

The imagery for this study was collected via aerial survey by Pat Lagodney of SWCA on August 23, 2023. Surface karst features may have developed after this date and will not be noted in this report. Imagery analysis was completed by Garrett Jorgensen Olague of Southwest Geophysical Consulting on September 6, 2023. **NOTE:** a surface karst survey was commissioned by the client on July 19, 2023. These surface karst survey results were originally reported in report number ETEC-002-20230719.

2.3.2 Geophysical Survey

For this survey, an Advanced Geosciences Inc. (AGI) SuperSting™ Wifi R8 with a multi-electrode switchbox, a 28-electrode array of 40-centimeter-long electrodes, and a tablet controller were used to image the subsurface. This survey consisted of two resistivity lines in a dipole-dipole strong-gradient configuration; line one is laid out southeast to northwest while line two is laid out southwest to northeast. Both lines consisted of 28 electrodes at 5-meter spacing, resulting in 135-meter-long arrays (**Figure 5**, **Table 1**). A preconfigured command file was used to run the data collection (DDSG28). This electrode configuration provided a depth of investigation of 27 meters (89 feet) and a resolution of 2.5 to 3.0 meters (8.2 to 9.8 feet) within the first 5 to 8 meters (16 to 26 feet) from the surface. A Leica GS18 GPS was used to record electrode locations and elevations.

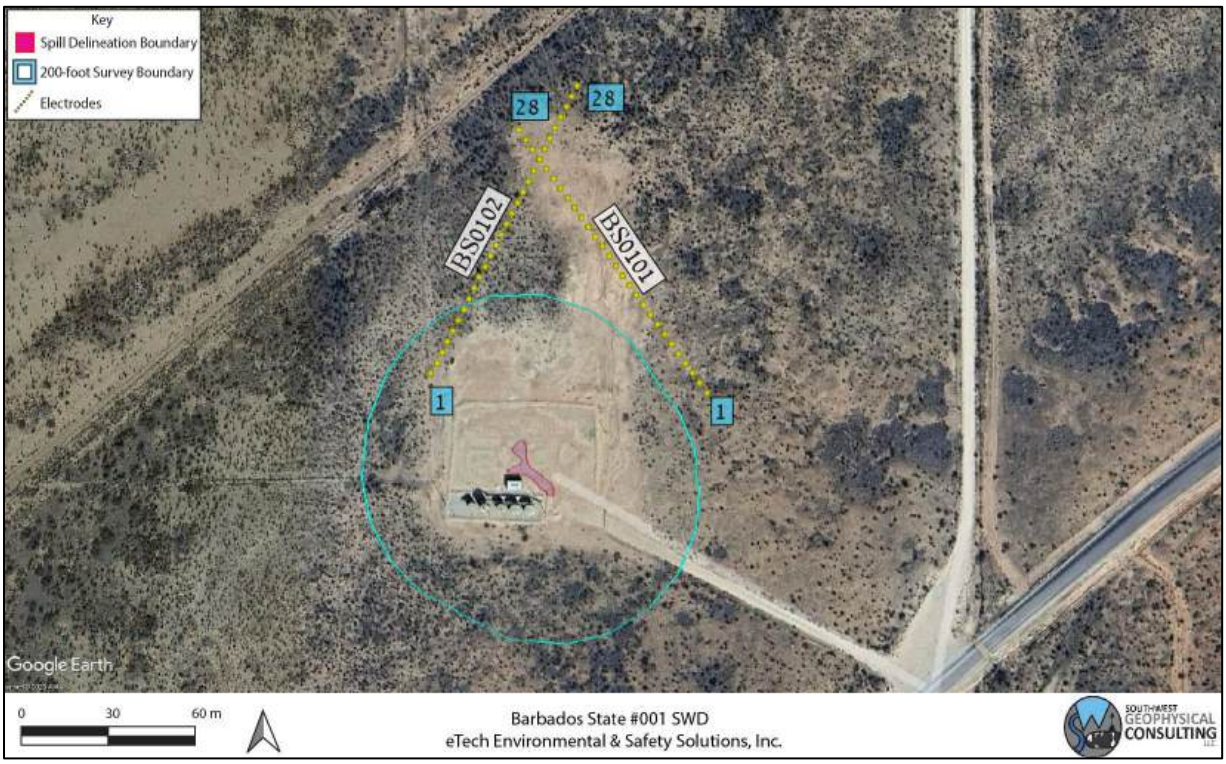


Figure 5: Geophysical survey overview. Two survey lines were conducted with 28 electrodes each at 5-meter spacing (yellow dots denoted with blue numbers). Background image credit: Google Earth. Image date: March 7, 2023. Image datum: WGS-84.

Table 1 provides basic line data. Detailed information including electrode number, location in latitude/longitude (decimal degree format), and elevation in meters can be found in the accompanying data files.

Table 1: Survey Line Data Table. The .kmz file contains all the points for the survey line listed in the file name. These data are available in the accompanying files BS01 _ERI_Points.xlsx and ETEC-012-20250306_BS01_Data_Files.kmz.

File Name:	Completed By:	Date:
BS0101.kmz	Garrett Jorgensen Olague – Senior Field Geologist Britt Bommer – Field Geologist Michael Jones – Field Geologist	4/9/2025
BS0102.kmz		

EarthImager™ 2D software was used to download and process the data and to provide the model used to make our interpretations. The design of the survey and the orientation of each of the lines provides the information necessary to make the determination of "stable" or "unstable" ground at this site.

A typical starting model was used for the data processing due to the two-layer model of the geology in the area; specifically, generally high-resistivity gypsum and dolomite at the surface and low-resistivity saturated gypsum and dolomite bedrock at depth. The starting model used was "average apparent resistivity" and a default inversion setting of "surface," with a minimum apparent resistivity set to 0.1 Ohm-meters (Ohm-m or Ω-m) and a max apparent resistivity set to 100,000 Ω-m (**Table 2**).

Table 2: Software Information and Settings

Software Name:	EarthImager™ 2D
Version:	2.4.4.649
Starting Model:	Average Apparent Resistivity
Default Inversion Settings:	Surface
Changes to Default Inversion Settings:	Max Apparent Resistivity = 100 kΩ-m Min Apparent Resistivity = 0.1 Ω-m

Note: Raw data files (.stg files for EarthImager™ 2D) and processed data (.trn files, terrain files for surface correction in EarthImager™ 2D and .out files, the processed .stg files) are available upon request.

All geophysical field work, including setup, stow, and travel, was completed by Garrett Jorgensen Olague, Britt Bommer, and Michael Jones on April 9, 2025.

3.0 RESULTS

3.1 Surface Karst Survey

The desk study and surface karst survey showed no surface karst features within the 200-foot (61-meter)[1] survey area surrounding the spill delineation boundary (**Figure 6**).

One recognized surface karst feature is located within the 305-meter survey boundary, but outside of the 200-*meter* surface karst survey boundary (**Figure 6**, **Table 3**). Recognized surface karst features are features that are positively identified in either satellite or aerial imagery as karst features and the features have been visited by a qualified karst professional in the field and fully identified. Images for this feature are available on request.

No springs exist within the 305-meter survey boundary (**Figure 6**).

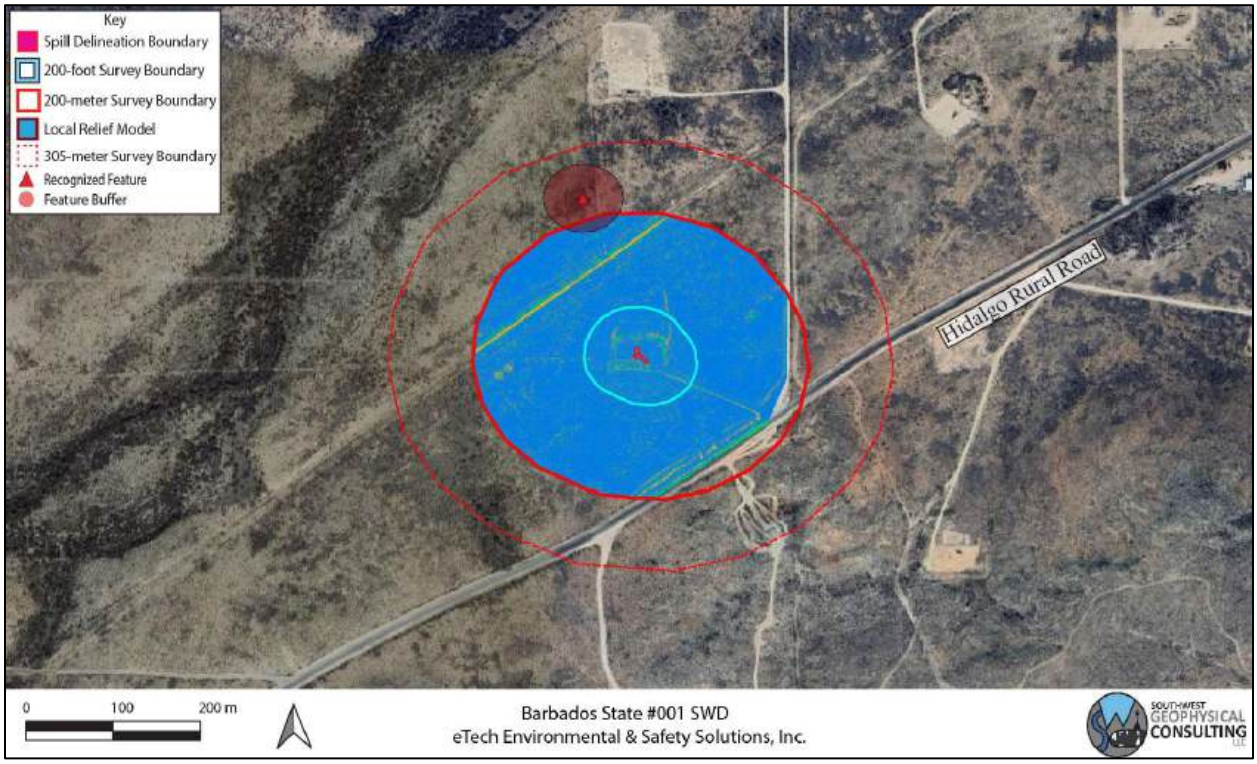


Figure 6: Surface karst survey results. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

Caution should be exercised while operating in or around all karst-related features due to the possibility of near-surface voids. Employing a BLM-CFO approved karst monitor on site during these activities is recommended.

Table 3 contains a list of features identified during the aerial karst survey and subsequent imagery analysis. Each feature is identified with a feature identification number (Feature ID), the type of feature, estimated size (in meters), recommended buffer (in meters), the likelihood of this feature being a surface karst feature (modifiers H/M for high or medium likelihood, V for field verified), and its location in WGS-84/UTM-13 (EPSG: 32613).

Table 3: Surface Karst Feature Data Table

KF Status	Feature ID	Type	Size (m)	Buffer (m)	Mod	Easting	Northing
RKF	230901-G01	Cover-Collapse Sinkhole	2	50	V	564979.4324	3579281.851

NOTE: Location data provided in WGS-84/UTM 13N. RKF – recognized karst feature.

3.2 Geophysical Survey

Electrical resistivity tomography forms images of the subsurface by causing a current to flow through the rock and soil and then measuring the resistance of these materials as the current flows through them. This measurement is taken many times and the resulting data, once processed, is used to produce a model of the subsurface (**Figure 7**). This model is produced using "non-unique" solutions, which means that there are many models and interpretations which will satisfy the data. Using experience and knowledge of the local geology, a high-confidence model can be established and used to develop an accurate understanding of what lies below the surface. This survey was conducted with the express purpose of locating subsurface voids and does not purport to find paleokarst (old, non-active karst features that have been filled in with sand and sediment) or nascent karst features below the resolution limit of the survey.

The results of this study indicate a well-layered geologic system with resistivities between 5 and 1,100 Ohm-m (**Figure 7**). Two high-resistivity anomalies are present, one on each line. These anomalies have resistivities of 5,938 and 5,586 Ohm-m, respectively. Please keep in mind when viewing the 2D inverted resistivity sections that color maps can be widely different for each view. Always check the color map located on the right side of the image when viewing the 2D images to ensure you understand the range of resistivities presented. Distances along the top and depths along the left side are in meters. The color map along the right side is in Ohm-m. Due to the nature of the survey, shallower zones have higher resolution between electrodes than deeper zones; therefore, small features at depth will not be visible.

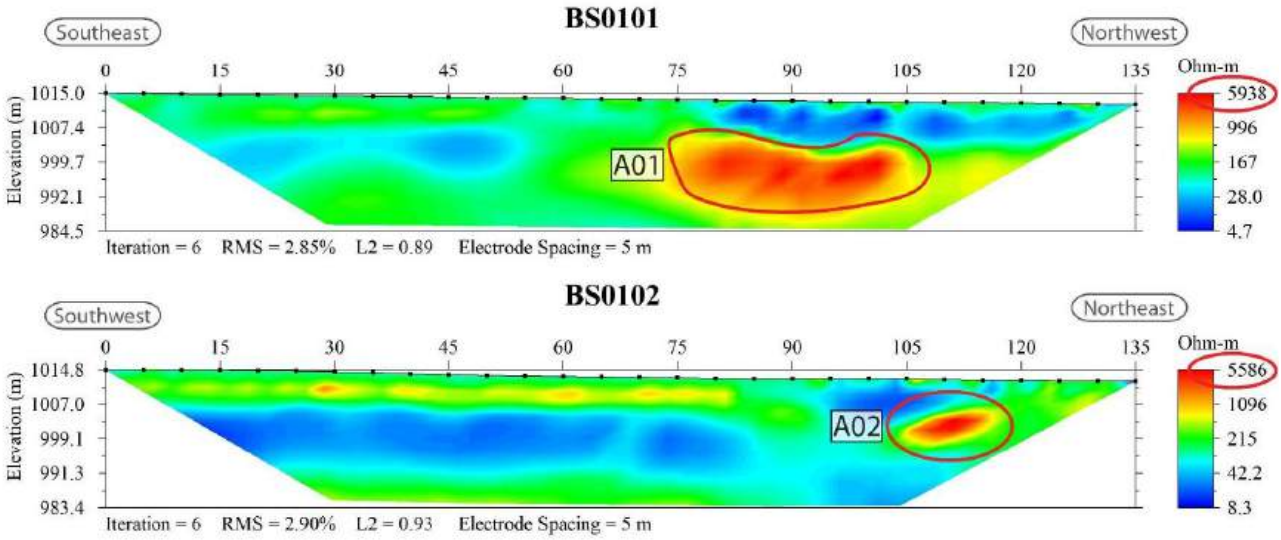


Figure 7: 2D inverted resistivity sections. Reds and oranges indicate higher resistivity values. Yellows and greens are medium-resistivity values. Blues are low-resistivity values.

Table 4 contains a list of anomalies identified during the geophysical survey and subsequent data analysis. Each anomaly is identified with a feature identification number (Feature ID), the type of feature (as interpreted), estimated size (in meters), recommended buffer (in meters), estimated depth from the surface (in meters), feature status modifiers (R for resistivity anomaly, V for field verified), and its location in WGS-84/UTM-13 (EPSG: 32613).

Table 4: Subsurface Anomaly Data Table

KF Status	Feature ID	Type	Size (m)	Buffer (m)	Mod	Depth (m)	Easting	Northing
PKF	250409-A01	Possible subsurface void	5	20	R	15	565064.008	3579168.015
PKF	250409-A02	Possible subsurface void	3	15	R	12	565061.285	3579193.041

NOTE: Location data provided in WGS-84/UTM 13N. PKF – possible karst feature.

4.0 DISCUSSION

One recognized surface karst feature (**Figure 6, Table 3**) and two anomalies consistent with air-filled subsurface voids are found within the BS01 survey area (**Figure 7**, **Figure 8** and **Table 4**) indicating karst development in the area. These anomalies may represent multiple air-filled voids at or below the resolution limit of the survey (2.5 – 3.0 meters), or a single continuous solutionally enlarged fracture.

Slightly higher-than-average resistivity areas less than 10 meters beneath the surface are interpreted as dry caliche or gypsite soils. Due to their low resistivity values when compared with significant subsurface voids, these features should not be a concern during remediation efforts. Areas of moderate resistivity (yellows, and greens) near the surface are interpreted as dry caliche soils and dolomite bedrock of the Yates or Tansill Formations[16] (**Figure 7**, **Figure 8**).

The low-resistivity areas between 5 to 20 Ohm-m are interpreted as a layer of either clays, halite lenses, or moist or saturated layers within the Tansill or Yates Formations (**Figure 7**).

Please remember that these are interpretations made from knowledge of the local subsurface materials and experience. **They remain interpretations until verified by geotechnical methods. We recommend drilling one or both of the anomalies to verify our interpretations before using this information for remediation planning purposes.** Employing a BLM-CFO approved karst monitor on site during any drilling and/or remediation activities is recommended.

Fracture sets within the subsurface can act as hydrologic pathways to the water table. Rapid dissolution of gypsum can occur along these pathways creating solution-enlarged fractures, and in some cases, voids within months to years. For this reason, this survey is valid only for this remediation event.

Within karst terrains like the project site, small air- or sediment-filled voids and/or brecciated zones and solutionally enlarged fractures that are below the resolution limit of the survey (2.5– 3.0 meters) may exist; these may be encountered during excavation, and if so, should be evaluated by a karst specialist prior to continued work.

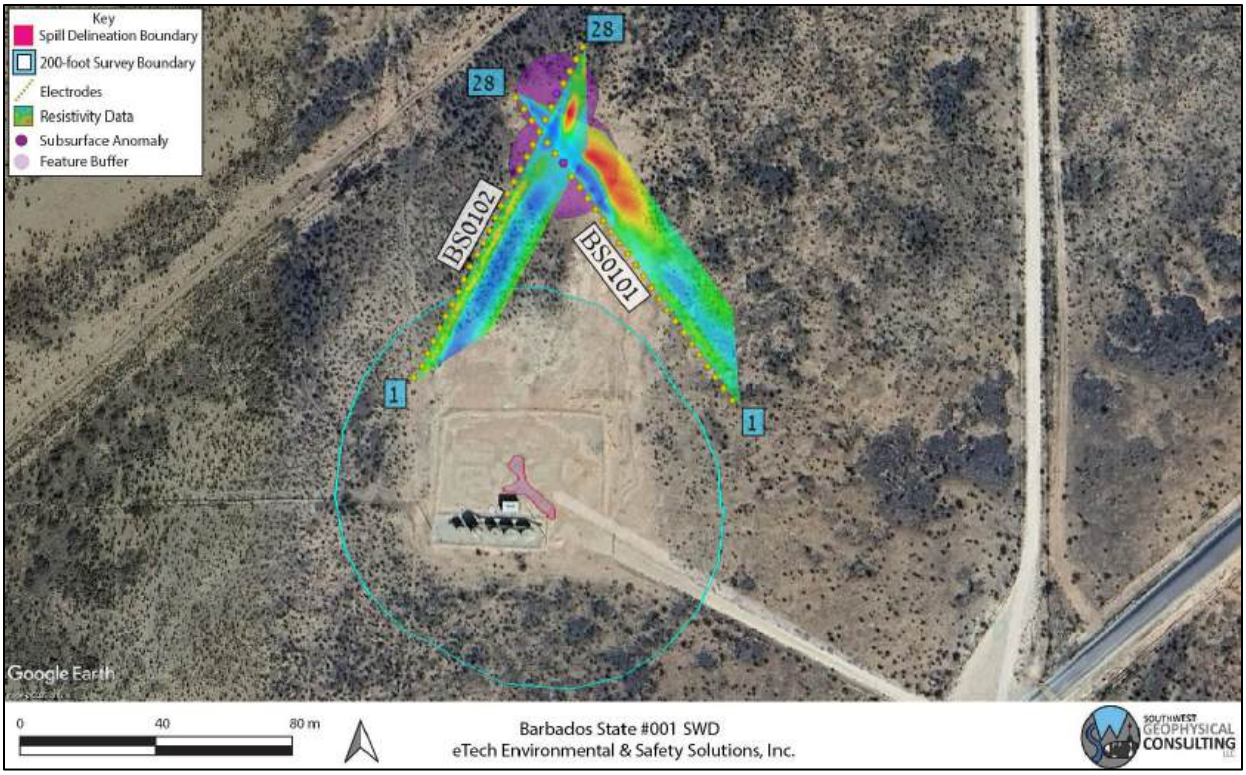


Figure 8: Data overlay. Colored trapezoids are the 2D inverted resistivity line. Background image credit: Google Earth. Image date: March 7, 2023.

5.0 SUMMARY

- **The BS01 survey contains no surface karst features within 200 feet (61 meters) of the spill delineation boundary.**
- One surface karst feature is located outside of the 200-meter survey boundary, but within the 305-meter (1,000 foot) survey boundary.
- **Two subsurface anomalies interpreted as large voids or related karst features that may present a danger to equipment operators are located within the survey area.**
- **Geophysical interpretations should be field verified by geotechnical methods prior to using this information for remediation planning.**
- Intercepting a void during remediation efforts to a depth of four feet is unlikely, but still possible. Small voids or solutionally enlarged fractures below the resolution limit of the survey may be encountered.
- **Well-layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted; however, the presence of anomalies interpreted as subsurface voids may indicate unstable ground.**
- When conducting any remediation activities in this area, employing a BLM-CFO approved karst monitor on site is recommended.

6.0 DISCLOSURE STATEMENT

Karst occurrence zones are prone to rapid karst formation and warrant careful planning and engineering to mitigate karst-forming processes that could be accelerated by removal of surface cover or the vibrations associated with heavy equipment used in the remediation process.

Mitigation measures for any karst features revealed during excavation shall be approved by the Bureau of Land Management – Carlsbad Field Office and follow the Natural Resources Conservation Service Conservation Practice Standard for Karst Sinkhole Treatment, Code 527, or the Bureau of Land Management Cave and Karst Management Handbook, H-8380-1.

Vigilance during remediation activities is paramount. If voids are encountered during excavation, contact the Bureau of Land Management Karst Division at (575) 234-5972, the New Mexico State Land Office Surface Resources Division at (505) 827-5768, or a BLM-CFO approved karst contractor and request an on-site investigation from a karst expert if one is not already on site. A karst consultant can generally be available in Eddy County within five hours.

Approved karst monitors should have karst feature identification training, at least two years of supervised experience identifying karst features, wilderness first aid training, SRT training, confined space training, gas monitor training, and a minimum of SPAR cave rescue training through NCRC. They should have with them the proper gear and be prepared both physically and mentally to enter a collapse feature within minutes to perform a rescue if needed. Monitoring services with qualified karst monitors, as well as cave surveys and geophysical surveys, are available from Southwest Geophysical Consulting.

Under no circumstances should an untrained, inexperienced person enter a cave, pit, sinkhole, or collapse feature. All field employees of Southwest Geophysical Consulting have extensive caving experience and the ability to determine whether entry into a karst feature is safe or presents a hazard. In the event it is necessary to enter a karst feature, Southwest Geophysical Consulting can provide these services on request.

Cave and karst resource inventory reports, karst feature investigations, and geophysical reports commissioned at the request of the land manager should be submitted to:

BLM-CFO: blm_nm_karst@blm.gov

Cave and karst resource inventory reports for the NMSLO should be submitted to the respective project manager.

7.0 REFERENCES

1 Division, O. C. *Title 19, Chapter 15, Part 29* (Oil Conservation Division, 2018).

2 NMSLO. (ed Oil Conservation Division) (New Mexico State Land Office, Santa Fe, NM, 2018).

3 Decker, D. & Jorgensen, G. L. *Environmental Karst Surveys White Paper* (Southwest Geophysical Consulting, LLC, 2024).

4 Goodbar, J. R. Vol. BLM Management Handbook H-8380-1 (ed Carlsbad Field Office) 59 (Bureau of Land Management, Denver, CO, 2015).

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8 W.R.C.C. *National Climate Data Center 1981-2010 Normal Climate Summary for Carlsbad, New Mexico (291469)*, 2010).

9 Whitehead, W. & Flynn, C. *Plant Utilization in Southeastern New Mexico: Botany, Ethnobotany, and Archaeology*. (Bureau of Land Management, Carlsbad Field Office, 2017).

10 NMSLO. Digital overlay (KML) of the surface land ownership in New Mexico (New Mexico State Land Office, Santa Fe, NM, 2024).

11 Green, G. N. & Jones, G. E. *The Digital Geologic Map of New Mexico in ARC/INFO Format*, <https://mrdata.usgs.gov/geology/state/state.php?state=NM> (1997).

12 Silver, B. A. & Todd, R. G. Permian Cyclic Strata, Northern Midland and Delaware Basins, West Texas and Southeastern New Mexico. *The American Association of Petroleum Geologists Bulletin* **53**, 2223 - 2251 (1969).

13 Scholle, P. A. Geologic Map of New Mexico. (2003).

14 Decker, D. D., Jorgensen, G. L. & Palmer, R. in *Southwest Geophysical Cave and Karst Database* (ed LLC Southwest Geophysical Consulting) (Albuquerque, NM, 2025).

15 Whitehead, W., Bandy, M. & Decker, D. Protocol for Using UAV Photography for Rapid Assessment of Karst Features in Southeast New Mexico. *Proceedings of the 2022 Cave and Karst Management Symposium* (2022).

16 Hill, C. A. *Geology of the Delaware Basin, Guadalupe, Apache and Glass Mountains, New Mexico and West Texas*. Vol. 96-39 (Permian Basin Section - SEPM, 1996).

8.0 GLOSSARY OF TERMS

AGI	Advanced Geosciences Inc.
BLM-CFO	Bureau of Land Management - Carlsbad Field Office
brecciated	Fractured rock caused by faulting or collapse.
caprock-collapse sinkhole	Collapse of roof-spanning rock into a cave or void.
cave	Natural opening at the surface large enough for a person to enter.
cover-collapse sinkhole	Collapse of roof-spanning soil or clay ground cover into a subsurface void.
ERI	Electrical Resistivity Imaging
GPS	Global Positioning System
grike	A solutionally enlarged, vertical, or sub-vertical joint or fracture.
(H)	High confidence modifier for a PKF. This is typically reserved for a feature that is definitely karst but has not been confirmed in the field.
HKOZ	High Karst Occurrence Zone
karst	A landscape containing solutional features such as caves, sinkholes, swallets, and springs.
(L)	Low confidence modifier for a PKF. This is typically a feature that cannot be ruled out as karst but is most likely NOT karst related. This modifier may also be used for pseudokarst features.
(M)	Medium confidence modifier for PKF. This is an ambiguous feature that can't be positively identified as karst without a field visit (e.g., burrows, abandoned unlined wells, solution tubes, pseudokarst).
MKOZ	Medium Karst Occurrence Zone
NCRC	National Cave Rescue Commission
NKF	Non-karst feature. Used for features originally identified as PKF that have been subsequently identified in the field as non-karst related. This term may also be used for pseudokarst features.
NMSLO	New Mexico State Land Office
Ohm-m	Ohm-meter, a unit of measurement for resistivity. Sometimes abbreviated Ω-m.
paleokarst	Previously formed karst features that have been filled in by erosion and/or deposition of minerals.
Pat	Permian Artesia Group
Pc	Permian Capitan Formation
Pcs	Permian Castile Formation

Pdl	Permian Dewey Lake Formation
PKF	Possible karst feature. This term is reserved for features identified in satellite or aerial imagery that have NOT been visited in the field. Further modifiers include (H) for high confidence, (M) for medium confidence, and (L) for low confidence. These confidence levels are based on field experience.
PLSS	Public Land Survey System
Pqg	Permian Queen/Greyburg Formation
Pru	Permian Rustler Formation
pseudokarst	Karst-like features (sinkholes, conduits, voids etc.) that are not formed by dissolution. These types of features include soil piping, lava tubes, and some cover-collapse and suffosion sinkholes.
Psl	Permian Salado Formation
Psr	Permian Seven Rivers Formation
Pt	Permian Tansill Formation
Py	Permian Yates Formation
Qal	Quaternary alluvium
Qe	Quaternary eolian deposits
Qp	Quaternary piedmont deposits
Qpl	Quaternary playa lake deposits
RKF	Recognized karst feature. This term is reserved for karst features that have been physically verified in the field.
SPAR	Small Party Assisted Rescue
sUAS	Small, uncrewed aerial system
suffosion sinkhole	Raveling of soil into a pre-existing void or fracture.
swallet	A natural opening in the surface, too small for a person, that drains water to an aquifer. Some are "open," meaning a void can be seen below; some are "closed, "meaning they are full of sediment.
SWG	Southwest Geophysical Consulting, LLC
UTM	Universal Transverse Mercator (projected coordinates)
(V)	Field verified modifier for a RKF. This indicates that the feature has been visited by a qualified karst professional in the field and fully identified
WGS	World Geodetic System (geographic coordinates)

9.0 ATTESTATION

David D. Decker, PhD, PG, CPG
Chief Executive Officer, Principal Geologist
Southwest Geophysical Consulting, LLC
5117 Fairfax Dr. NW
Albuquerque, NM 87114
dave@swgeophys.com
(505) 585-2550

CERTIFICATE OF AUTHOR

I, David D. Decker, a Licensed Professional Geologist and a Certified Professional Geologist, do certify that:

- I am currently employed as a consulting geologist in the specialty of caves and karst with an office address of 5117 Fairfax Dr. NW, Albuquerque, NM, USA, 87114.
- I graduated with a Master of Science in Applied Physics with a specialization in Sensor Systems from the Naval Post Graduate School in Monterey, California, in 2003, and a Doctor of Philosophy in Earth and Planetary Sciences from the University of New Mexico, Albuquerque, New Mexico, in 2018.
- I am a Licensed Professional Geologist in the State of Texas, USA (PG-15242) and have been since 2021. I am a Certified Professional Geologist through the American Institute of Professional Geologists (CPG-12123) and have been since 2021.
- I have been employed as a geologist continuously since 2016. I was previously employed as a Fire Controlman, Naval Flight Officer, and Aerospace Engineering Duty Officer in the U.S. Navy and operated, maintained, and installed various sensor systems including magnetic, electromagnetic, radar, communications, and acoustic systems in various capacities from 1986 through 2010.
- I have been involved in various aspects of cave and karst studies continuously since 1985, including exploration, mapping, and scientific studies.
- I have read the definition of “qualified karst professional” set out in the ASTM Standard Practice for Preliminary Karst Terrain Assessment for Site Development (ASTM E-1527). I meet the definition of “qualified professional” for the purposes of this standard.
- I am responsible for the content, compilation, and editing of all sections of report number ETEC-012-20250306 entitled, “Environmental Karst Study Report, Barbados State No. 001 SWD, Eddy County, New Mexico.” I or a duly authorized and qualified representative of Southwest Geophysical Consulting, LLC, have personally visited this site and/or reviewed the aerial imagery on the date or dates mentioned in section ***2.3 Description of Survey***.

- I have no prior involvement nor monetary interest in the described property or project, save for my fee for conducting this investigation and providing the report.

Dated in Albuquerque, New Mexico, May 4, 2025.

David D. Decker
PhD, CPG-12123



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https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 530132

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 530132
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1619656595**
Incident Name	**NAB1619656595 BARBADOS STATE #001 @ 30-015-27558**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-27558] BARBADOS STATE #001**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BARBADOS STATE #001
Date Release Discovered	06/28/2016
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Corrosion | Valve | Produced Water | Released: 65 BBL | Recovered: 60 BBL | Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 530132
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 11/26/2025

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QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 530132
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 200 and 300 (ft.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 100 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission		Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated		Yes
Was this release entirely contained within a lined containment area		No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 Cl B)	6150
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	2870
GRO+DRO	(EPA SW-846 Method 8015M)	1810
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence		12/31/2025
On what date will (or did) the final sampling or liner inspection occur		12/31/2025
On what date will (or was) the remediation complete(d)		12/31/2025
What is the estimated surface area (in square feet) that will be reclaimed		52806
What is the estimated volume (in cubic yards) that will be reclaimed		7823
What is the estimated surface area (in square feet) that will be remediated		52806
What is the estimated volume (in cubic yards) that will be remediated		7823
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.		

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QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 530132
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	*Not answered.*
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360
OR is the **off-site** disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 11/26/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 530132
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 530132
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**487010**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**07/25/2025**
What was the (estimated) number of samples that were to be gathered	**3**
What was the sampling surface area in square feet	**35067**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 530132
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	App ID's 499986 and 530132 appear to be duplicate submissions. The Remediation Plan Addendum has been approved.	12/22/2025