



March 4, 2025

New Mexico Oil Conservation Division

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

**Re: Closure Request
Pinnacle State 2
Incident Number: nAB1732450165
Eddy County, New Mexico**

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of WPX Energy Permian, LLC (WPX), has prepared this *Closure Request* to document excavation and soil sampling activities performed to address a produced water release at the Pinnacle State 2 (Site). Based on the excavation activities and analytical results from the soil sampling events, WPX is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number nAB1732450165.

BACKGROUND

The Site is located in Unit E, Section 36, Township 22 South, Range 28 East, in Eddy County, New Mexico (32.35043°, -104.04907°) and is associated with oil and gas exploration and production operations on New Mexico State Trust Land (STL) managed by New Mexico State Land Office (NMSLO) and leased by WPX.

On November 2, 2017, a low-boy trailer damaged a surface poly line, which runs along a lease road within a pipeline right-of-way (ROW), resulting in the release of 18 barrels (bbls) of produced water; approximately 13 bbls were recovered. RKI Exploration, the former owner and operator of the line, reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on November 20, 2017. The release was assigned Incident Number nAB1732450165.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C 04416 with a depth to groundwater measurement greater than 55 feet below ground surface (bgs). The well is located 0.28 miles northeast of the Site and the most recent documented water level measurement was collected on March 31, 2020. All wells used for depth to groundwater determination are depicted on Figure 1 and the referenced well records are included in Appendix A.

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The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 929 feet northwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

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

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

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the pasture area that was impacted by the release, per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation.

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

On June 19, 2023, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. The release occurred next to a heavily trafficked lease road and cross lease road as well as within a pipeline ROW with seven documented surface and subsurface utility lines present. Vegetation observed within the release extent appeared to be consistent with vegetation surrounding the release extent, indicating the release did not stress or negatively affect the vegetation within the release.

Four delineation samples (SS01 through SS04) were collected from areas surrounding the release extent at the ground surface and two delineation soil samples (SS05 through SS06) were collected from areas within the release extent that could be completed via hand auger at depths ranging from the ground surface to 1.5 feet bgs. Ensolum personnel returned to the Site on June 27 and on August 3, 2023, to advance two potholes (PH01 and PH02) to total depths of 3 feet and 2 feet bgs, respectively, on the caliche road within the release extent via backhoe.

Delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and a PetroFLAG[®] analyzer and chloride using Hach[®] chloride QuanTab[®] test strips. The release extent and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Field screening results and observations from the potholes were logged on a lithologic/soil sampling logs, which are included in Appendix B. Photographic documentation was collected and a photographic log is included in Appendix C.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech, Inc. (Envirotech) in Farmington, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental

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Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Following a meeting between WPX, NMOCD, NMSLO, and Ensolum on September 25, 2023, to discuss a variance request for the Site, Ensolum personnel returned to the site on October 16, 2023, to address NMOCD's concerns and to complete additional delineation sampling. Delineation sample SS01 was recollected closer to the release extent and is designated as SS01A at ground surface. Two additional potholes, PH03 and PH04, were advanced via track hoe within the release extent to depths of 2 feet and 3 feet bgs, respectively. Two additional boreholes, BH02 and BH03, were advanced via hand auger within the release extent to a depth of 0.5-feet bgs. A third borehole, BH01, was advanced via hand auger to a depth of 1-foot bgs in the vicinity of sample point BH18-04. Due to the presence of multiple lay flat and poly lines in the vicinity of sample point BH18-04, heavy mechanical equipment could not be used to advance the borehole further; Ensolum personnel hit refusal with the hand auger at 1-foot bgs. On October 31, 2023, Ensolum personnel collected SS07 and SS08 at ground surface to further assess release extent. Samples were collected, screened, stored, and transported in the same manner as described above.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples SS01 through SS04 and SS01A, collected in the area surrounding the release extent, indicated all COC concentrations were in compliance with the Site Closure Criteria and with the reclamation requirement. Laboratory analytical results for preliminary soil samples SS05 through SS08, collected within the release extent, indicated all COC concentrations were in compliance with the Site Closure Criteria; however, the concentration of chloride in soil sample SS06, located between two pipelines adjacent to the main lease road, exceeded the reclamation requirement at the ground surface.

Laboratory analytical results from potholes PH01 through PH04 indicated all COCs were in compliance with the Site Closure Criteria; however, chloride concentrations in discrete pothole samples PH01@2' PH02@0', PH03@1' and PH04@0', all located on the two lease roads, exceeded the reclamation requirement. Laboratory analytical results for boreholes BH01 through BH03 indicated all COCs were in compliance with the Site Closure Criteria and with the reclamation requirement at ground surface to a depth of 1-foot bgs. Laboratory analytical results are summarized in Table 1 and the complete laboratory reports are included in Appendix D.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Prior to beginning excavation activities at the Site, an archaeological survey was completed. The survey determined that the release area was negative for cultural properties, and as such, the Cultural Properties Protection Rule (CPP) has been followed (see Appendix E).

The excavation of waste-containing soil was completed utilizing a tracked excavator, loader, hydro-vac, and belly dump trucks. To direct excavation activities, soil was field screened for TPH utilizing a PetroFLAG® soil analyzer system and chloride utilizing test strips. The excavation depth was variable, depending on field screening results and ranged from 0.5 feet to 4 feet bgs. Photographic documentation of excavation activities is included in Appendix C.

Beginning on January 28, 2025, 5-point composite confirmation samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples SW01 through SW09 were collected from the sidewalls of the excavation in the top 4 feet of the subsurface, with depths depending on excavation dimensions at

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each location. Composite soil samples FS01 through FS46 were collected from the floor of the excavation at depths ranging from 0.5 feet to 4 feet bgs. The soil samples were collected, handled, and analyzed following the same procedures as described above.

The final excavation extent measured approximately 8,816 square feet. A total of approximately 680 cubic yards of waste-containing soil was removed during the excavation activities. The waste-containing soil was transported and properly disposed of at the Lea Land Disposal Facility. The excavation extent and excavation soil sample locations are presented in Figure 3.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for excavation sidewall samples SW01 through SW09 and excavation floor samples FS01 through FS46 indicated all COC concentrations were compliant with the Site Closure Criteria and in compliance with the reclamation requirement. Laboratory analytical results are summarized in Tables 2 and 3 and laboratory analytical reports are included as Appendix D.

RECLAMATION PLAN

Portions of the release occurred off pad in the pasture, and as such, a reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH were applied to the top 4 feet of the subsurface that was impacted by the release per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation. The following Reclamation Plan proposes reclamation of the excavated area:

- The excavation will be backfilled with locally sourced caliche and topsoil to match surrounding grade will be applied in those areas in the pasture and off of the lease road. Approximately 1-foot of topsoil will be placed on top of the caliche to support vegetative growth within the disturbed area;
- Soil in the vicinity of the release includes: Simona-Bippus complex, 0 to 5 percent slopes according to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey completed on November 27, 2023;
- The backfilled areas will be seeded utilizing a weed-free seed mix designed by the NMSLO to meet reclamation standards for this region, which will be: NMSLO Sandy Loam (SL) Mixture;
- The seed mixture will be distributed with either a push broadcaster seed spreader, tractor operated broadcast seed spreader, drill seeding, or other means;
- Application of the seed mixture will be at a coverage of 10 pounds of seeds per acre of reclaimed pasture with distribution by a drilling method or 20 pounds of seeds per acre of reclaimed pasture with distribution by a broadcast method;
- Erosion control management is not anticipated, but if needed, will potentially include:
 - The placement of wattles in areas with a propensity for high run off rates;
 - Straw cover if high winds are anticipated to support moisture retention and limit wind from blowing seeds away before they have had time to germinate; and/or
 - Other erosional control best management practices (BMP) as necessary to support timely and healthy regrowth of vegetation in disturbed areas;
- Seeding is anticipated to be completed in the Spring when temperatures and precipitation is most conducive for vegetation growth. In general, seeding should occur approximately one month after the last frost in the Spring up until approximately one month prior to the first fall frost. NMSLO

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has recognized the optimal time to seed is between July and early September, which will be adhered to for this Site;

- Annual inspections (at a minimum) will take place on the location until revegetation is consistent with local natural vegetation density. The Site will be inspected the following Fall to assess the success of regrowth. If necessary, an additional application of the NMSLO-approved pure live seed mixture will be applied as well as any needed BMPs will be installed to support growth and limit erosion;
- Upon completion of revegetation, a copy of the C-103 submitted to NMOCD will also be submitted to NMSLO for final inspection and release.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the November 2017 release of produced water. Following remediation efforts, 46 composite confirmation floor soil samples (FS01 through FS46) and 9 composite confirmation sidewall samples (SW01 through SW09) were collected. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were in compliance with Site Closure Criteria and with the reclamation requirement in the top 4 feet of soil. Based on the soil sample analytical results, no further remediation was required. Reclamation will be completed as described above.

Based on horizontal and vertical delineation sampling, depth to groundwater greater than 55 feet bgs, and confirmation soil sample laboratory analytical results in compliance with their respective Closure Criteria and reclamation requirement, WPX believes these remedial actions have been protective of human health, the environment, and groundwater. As such, WPX respectfully requests closure for Incident Numbers nAB1732450165.

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

Sincerely,
Ensolum, LLC

A handwritten signature in black ink, appearing to read "Ashley Giovengo".

Ashley Giovengo
Senior Engineer

A handwritten signature in black ink, appearing to read "Daniel R. Moir".

Daniel R. Moir, PG
Senior Managing Geologist

cc: Jim Raley, WPX
NMSLO

WPX Energy Permian, LLC
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Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results (Delineation Soil Samples)
Table 2	Soil Sample Analytical Results (Confirmation Soil Samples)
Table 3	Soil Sample Analytical Results (Sidewall Soil Samples)
Appendix A	Well Log and Record
Appendix B	Lithologic Soil Sampling Logs
Appendix C	Photographic Log
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	NMSLO Cultural Resources Cover Sheet
Appendix F	NMOCD Correspondence







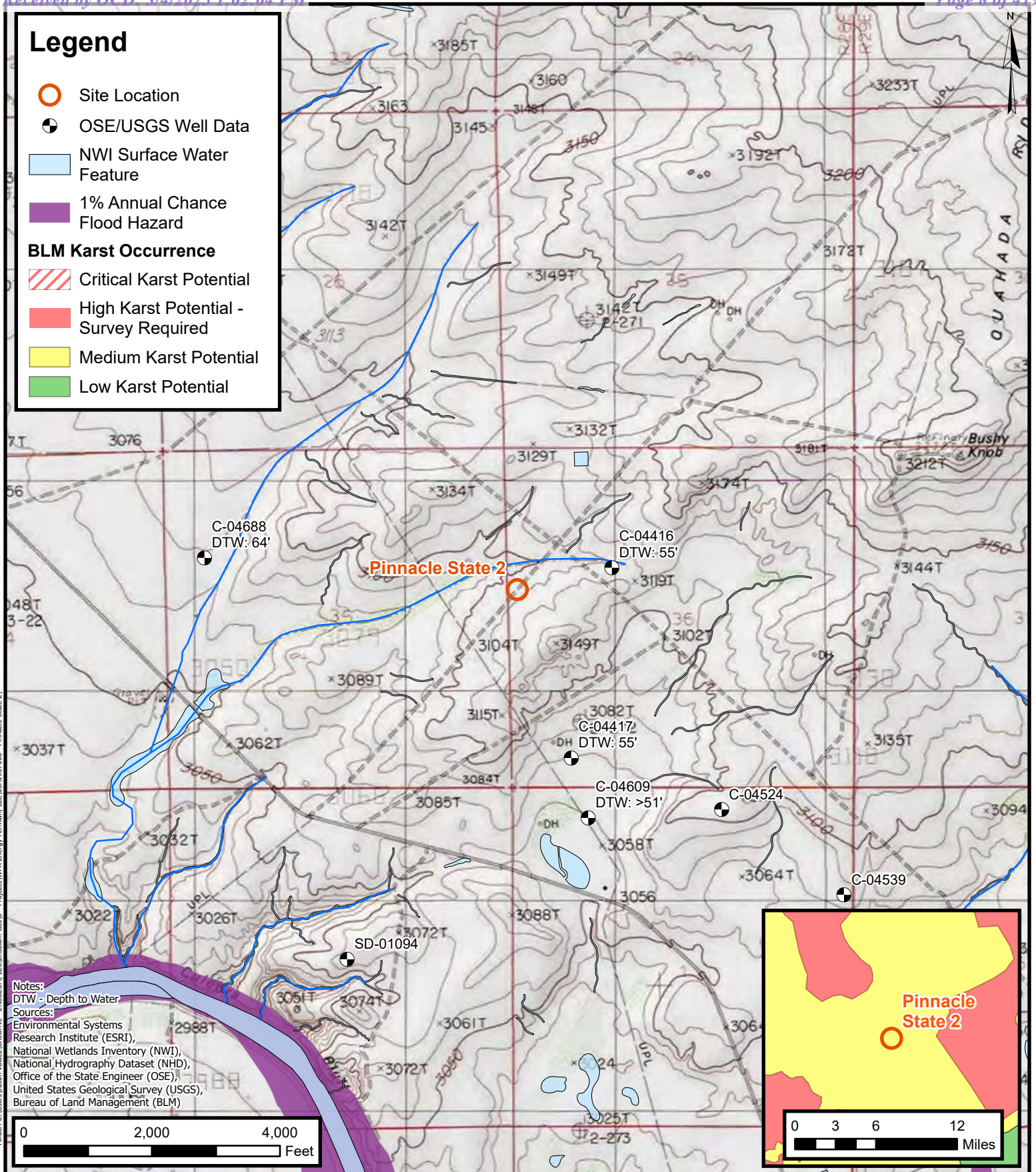
FIGURES

Legend

-  Site Location
-  OSE/USGS Well Data
-  NWI Surface Water Feature
-  1% Annual Chance Flood Hazard

BLM Karst Occurrence

-  Critical Karst Potential
-  High Karst Potential - Survey Required
-  Medium Karst Potential
-  Low Karst Potential



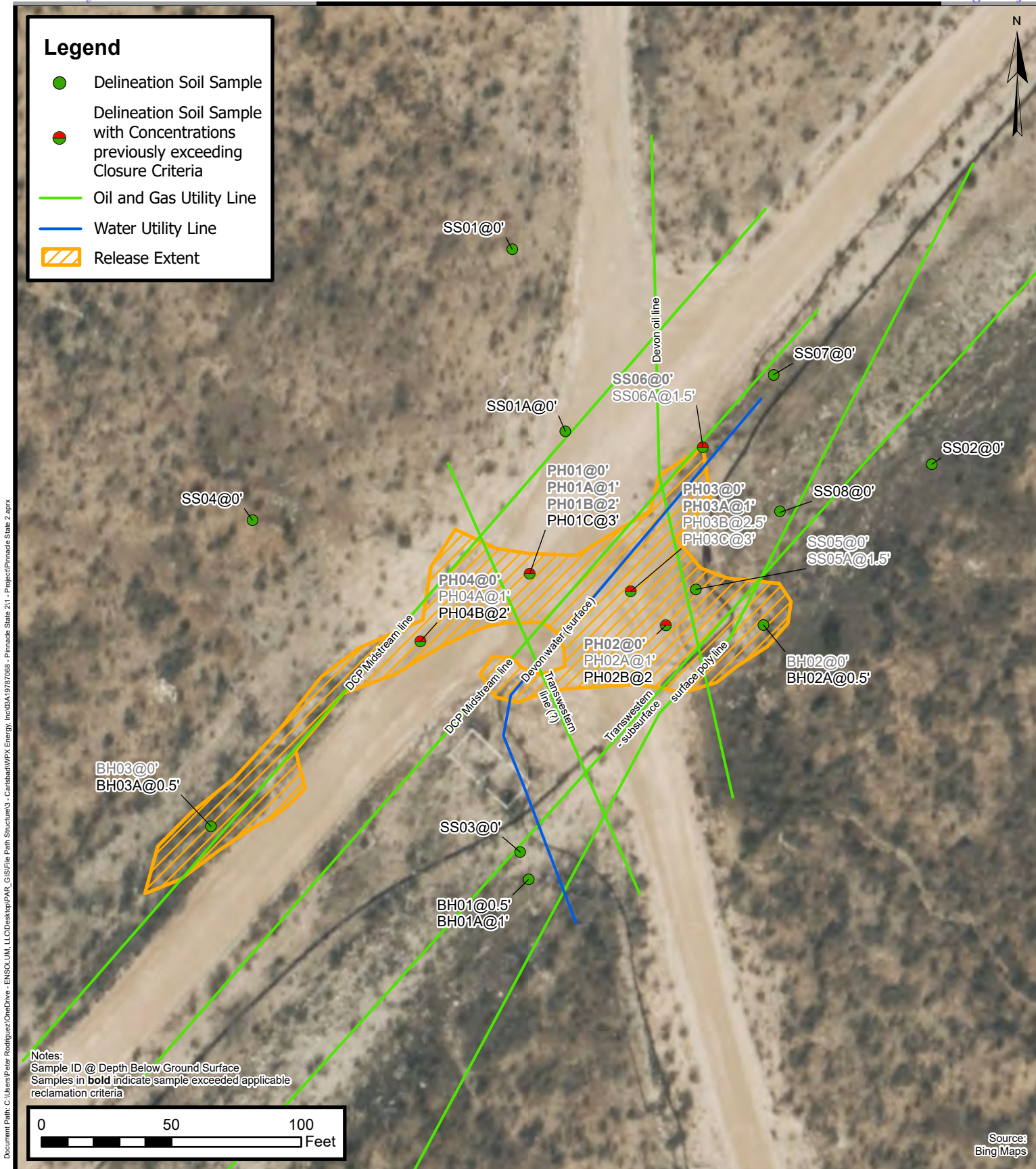
Site Receptor Map

WPX Energy Permian, LLC
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Unit E, Section 36, T 22S, R 28E
Eddy County, New Mexico

FIGURE

1

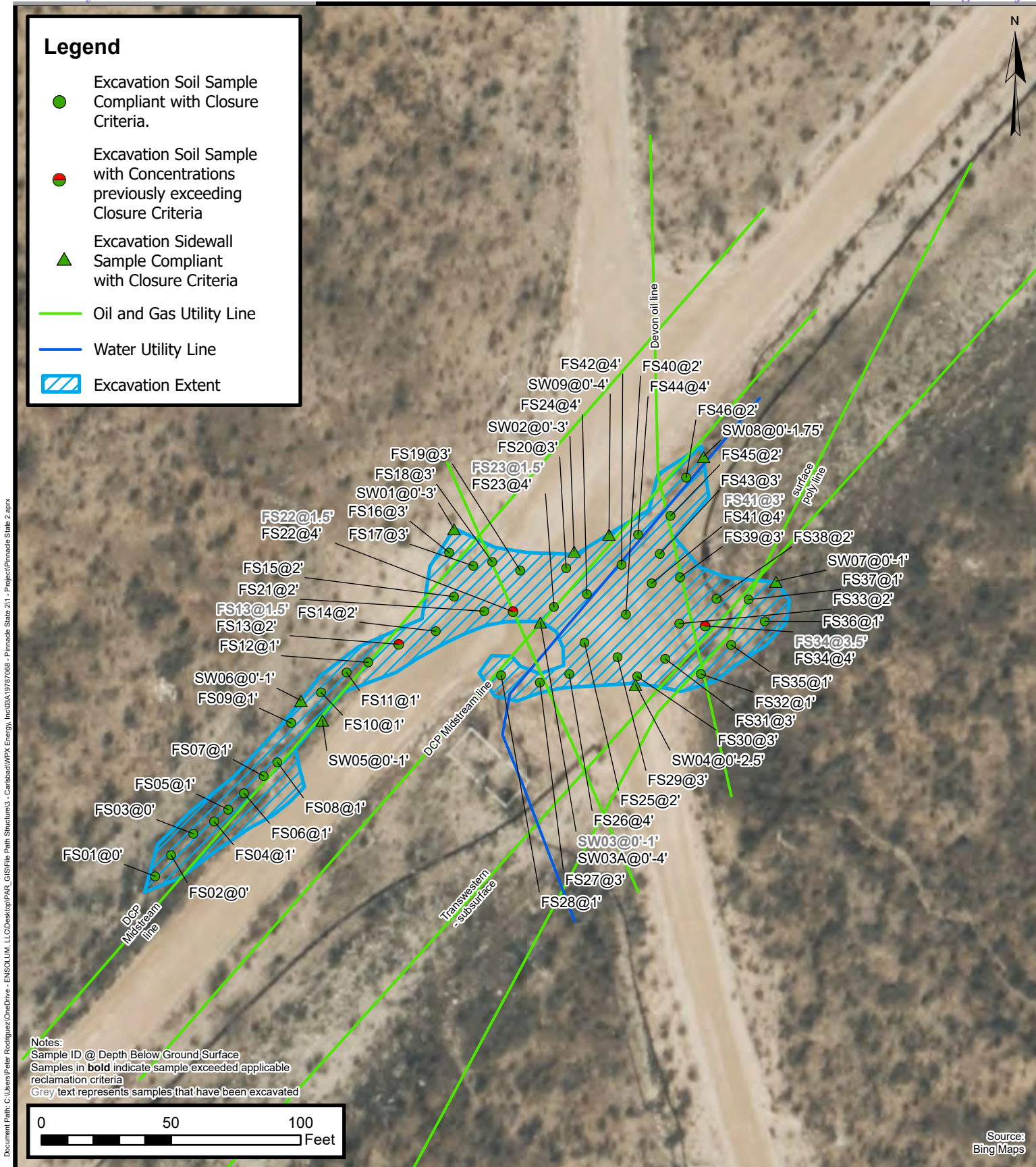




Delineation Soil Sample Locations

WPX Energy Permian, LLC
Pinnacle State 2
Incident Number: NAB1732450165
Unit E, Section 36, T 22S, R 28E
Lea County, New Mexico

FIGURE
2



Excavation Soil Sample Locations

WPX Energy Permian, LLC
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 Incident Number: NAB1732450165
 Unit E, Section 36, T 22S, R 28E
 Lea County, New Mexico

FIGURE

3





TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Pinalce State #002
 WPX Energy Permian, LLC
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples										
SS01	6/19/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS01A	10/16/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	34
SS02	6/19/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	137
SS03	6/19/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS04	6/19/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS05	6/19/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	519
SS05A	6/19/2023	1.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	579
SS06	6/19/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	704
SS06A	6/19/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	190
SS07	10/31/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS08	10/31/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	38
PH01	6/27/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	1,340
PH01A	6/27/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	1,110
PH01B	6/27/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	744
PH01C	8/3/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	320
PH02	6/27/2023	0	<0.0250	0.0846	<20.0	<25.0	<50.0	<20.0	<20.0	2,800
PH02A	6/27/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	449
PH02B	6/27/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	593

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 Pinnalce State #002
 WPX Energy Permian, LLC
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples										
PH03	10/16/2023	0	<0.0250	0.109	<20.0	<25.0	<50.0	<20.0	<20.0	2,230
PH03A	10/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	798
PH03B	10/16/2023	2.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	475
PH03C	10/16/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	262
PH04	10/16/2023	0	<0.0250	0.056	<20.0	<25.0	<50.0	<20.0	<20.0	2,200
PH04A	10/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	379
PH04B	10/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	265
BH01	10/16/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	25
BH01A	10/16/2023	1	<0.0250	0.185	<20.0	<25.0	<50.0	<20.0	<20.0	58
BH02	10/16/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH02A	10/16/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH03	10/16/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH03A	10/16/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

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Grey text represents samples that have been excavated

<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Pinalce State #002
 WPX Energy Permian, LLC
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS01	1/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.8
FS02	1/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	46.5
FS03	1/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS04	1/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS05	1/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS06	1/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	44.9
FS07	1/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	85.8
FS08	1/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	156
FS09	1/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	95.1
FS10	1/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	58.4
FS11	1/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	49.6
FS12	1/28/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	454
FS13	1/28/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	669
FS13	2/4/2025	1.75	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	152
FS14	1/28/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	273
FS15	1/28/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	314
FS16	1/28/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	533
FS17	1/29/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	21.8
FS18	1/29/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	308
FS19	1/29/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	282
FS20	1/29/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	281
FS21	1/29/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	147
FS22	1/29/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,040
FS22	2/6/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	593
FS23	1/29/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,290
FS23	2/6/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	438
FS24	2/5/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,070
FS25	2/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	282
FS26	2/5/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	658
FS27	2/5/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	406
FS28	2/6/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	197
FS29	2/5/2025	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	510

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 Pinalce State #002
 WPX Energy Permian, LLC
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS30	1/31/2025	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	388
FS31	1/31/2025	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	586
FS32	1/31/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	430
FS33	2/6/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	365
FS34	1/31/2025	3.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	823
FS34	2/5/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	374
FS35	1/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	355
FS36	1/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	182
FS37	1/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	217
FS38	2/4/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	276
FS39	2/4/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.7
FS40	2/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	369
FS41	2/4/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	823
FS41	2/21/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	630
FS42	2/5/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	544
FS43	2/4/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	113
FS44	2/5/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	946
FS45	2/5/2025	1.75	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	284
FS46	2/5/2025	1.75	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	262

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

TABLE 3
SOIL SAMPLE ANALYTICAL RESULTS
 Pinalce State #002
 WPX Energy Permian, LLC
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Sidewall Soil Samples										
SW01	1/29/2025	0-3	<0.0250	<0.0500	<20.0	39.8	<50.0	39.8	39.8	582
SW02	1/29/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	480
SW03	1/29/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	721
SW03A	2/6/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	239
SW04	1/31/2025	0-2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	132
SW05	2/4/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.4
SW06	2/4/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	51.5
SW07	2/4/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	47.6
SW08	2/5/2025	0-1.75	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	223
SW09	2/5/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	266

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Well Log and Record



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1		WELL TAG ID NO. Well Tag ID Not Issued		OSE FILE NO(S). C 04416			
	WELL OWNER NAME(S) WPX Energy				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 5315 Buena Vista Drive				CITY Carlsbad	STATE NM	ZIP 88220	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 21	SECONDS 04.8 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE -104	02	39.4 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE F-36-22S-28E; Pinnacle State #004								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1789		NAME OF LICENSED DRILLER Mark Mumby			NAME OF WELL DRILLING COMPANY HRL Compliance Solutions		
	DRILLING STARTED 3/31/2020		DRILLING ENDED 3/31/2020		DEPTH OF COMPLETED WELL (FT) 55	BORE HOLE DEPTH (FT) 55	DEPTH WATER FIRST ENCOUNTERED (FT) Water was not encountered	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)						STATIC WATER LEVEL IN COMPLETED WELL (FT) Water was not present in the well after 48-hours	
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	45	6.25	Blank PVC	Flush Thread	2.0	0.154	0.010
	45	55	6.25	Factory Slotted PVC Screen	Flush Thread	2.0	0.154	0.010
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				No Annular Seal Material or Gravel Pack	None			

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

5. TEST; RIG SUPERVISION


5. SIGNATURE


FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO	PAGE 2 OF 2





APPENDIX B


Lithologic Soil Sampling Logs


 ENSOLUM		Sample Name: PH01		Date: 06/27/23				
		Site Name: Pinnacle State 2						
		Incident Number: nAB1732450165						
		Job Number: 03A1987068						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.35043, -104.04907			Logged By: MR		Method: Backhoe			
			Hole Diameter: ~3'		Total Depth: 2 ft			
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. 40% correction factor included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	1,590	46.2	N	PH01	0.5	0		
D	924	27.6	N	PH01A	1	1	CCHE	CCHE. Pad Material
D	700	2.7	N	PH01B	2	2		
Total Depth @ 2' bgs.								


 ENSOLUM		Sample Name: PH02		Date: 06/27/23				
		Site Name: Pinnacle State 2						
		Incident Number: nAB1732450165						
		Job Number: 03A1987068						
LITHOLOGIC / SOIL SAMPLING LOG		Logged By: MR		Method: Backhoe				
Coordinates: 32.35043, -104.04907		Hole Diameter: ~3'		Total Depth: 2 ft				
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. 40% correction factor included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	1960	0.7	N	PH02	0.5	0		
D	515.2	1.9	N	PH02A	1	1	CCHE	CCHE. Pad Material
D	408.8	1.3	N	PH02B	2	2		
Total Depth @ 2' bgs.								

 ENSOLUM		Sample Name: PH03		Date: 10/16/23				
		Site Name: Pinnacle State 2						
		Incident Number: nAB1732450165						
		Job Number: 03A1987068						
LITHOLOGIC / SOIL SAMPLING LOG		Logged By: CH		Method: Trackhoe				
Coordinates: 32.35043, -104.04907		Hole Diameter: ~3'		Total Depth: 3 ft bgs				
Comments: Field screening for chloride conducted utilizing Mohr Method Titration.								
Moisture Content	Chloride (ppm)	THP (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	1870		N	PH03	0	0	CCHE	CCHE. Pad Material
D	790		N	PH03A	1	1	SM	Loose, Med Brown, Fine dust with interbedded large gravel, dry, non-plastic, noncohesive, massive, non-uniform
D	364	29	N	PH03B	2	2	SM	SAA
D	269		N	PH03C	3	3	SM	SAA
Total Depth @ 3' bgs.								

 ENSOLUM		Sample Name: PH04		Date: 10/16/23				
		Site Name: Pinnacle State 2						
		Incident Number: nAB1732450165						
		Job Number: 03A1987068						
LITHOLOGIC / SOIL SAMPLING LOG		Logged By: CH		Method: Trackhoe				
Coordinates: 32.35043, -104.04907		Hole Diameter: ~3'		Total Depth: 2 ft bgs				
Comments: Field screening for chloride conducted utilizing Mohr Method Titration.								
Moisture Content	Chloride (ppm)	THP (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	5,684		N	PH03	0	0	CCHE	CCHE. Pad Material
D	515		N	PH03A	1	1	SM	Loose, Med Brown, Fine dust with interbedded large gravel, dry, non-plastic, noncohesive, massive, non-uniform,
D	230	29	N	PH03B	2	2	SM	SAA
Total Depth @ 2' bgs.								

								Sample Name: BH01		Date: 10/16/2023			
								Site Name: Pinnacle State 2					
								Incident Number: Nab1732450165					
								Job Number: 03A19787068					
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EBH		Method: Hand Auger			
Coordinates: 32.350117, -104.049125								Hole Diameter: 3in"		Total Depth: 1" BGS			
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag for TPH. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.													
Moisture Content	Chloride (ppm)	TPH	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions					
Dry	ND	NA	N	BH01	0'	0'		Poorly-sorted, light brown to tan caliche. Fine to large gravel. SAA					
Dry	ND	NA	N	BH01	0.5'	0.5'							
Dry	ND	74	N	BH01	1'	1'		Gray to light tan caliche rock and limestone.					
EH													

								Sample Name: BH02		Date: 10/16/2023	
								Site Name: Pinnacle State 2			
								Incident Number: Nab1732450165			
								Job Number: 03A19787068			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EBH		Method: Hand Auger	
Coordinates: 32.350384, -104.048829								Hole Diameter: 3in"		Total Depth: 0.5" BGS	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag for TPH. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
Dry	ND	NA	N	BH02	0'	0'		Poorly-sorted, light brown to tan caliche. Fine to large gravel.			
Dry	ND	NA	N	BH02	0.5'	0.5'		Gray to light tan caliche rock and limestone.			
EH											

								Sample Name: BH03		Date: 10/16/2023	
								Site Name: Pinnacle State 2			
								Incident Number: Nab1732450165			
								Job Number: 03A19787068			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EBH		Method: Hand Auger	
Coordinates: 32.350176, -104.049520								Hole Diameter: 3in"		Total Depth: 0.5" BGS	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag for TPH. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
Dry	ND	NA	N	BH03	0'	0'		Poorly-sorted, light brown to tan caliche. Fine to large gravel.			
Dry	ND	NA	N	BH03	0.5'	0.5'		Gray to light tan caliche rock and limestone.			
EH											



APPENDIX C

Photographic Log



Photographic Log

WPX Energy Permian, LLC

Pinnacle State 2

nAB1732450165



Photograph 1

Date: 6/19/2023

Description: Spill Area

View: Southeast



Photograph 2

Date: 6/19/2023

Description: Spill Area

View: Norhteast



Photograph 3

Date: 6/19/2023

Description: Spill Area

View: South



Photograph 4

Date: 6/27/2023

Description: Delineation

View: Southwest

**Photographic Log**

WPX Energy Permian, LLC

Pinnacle State 2

nAB1732450165



Photograph 5

Date: 6/27/2023

Description: Delineation

View: North



Photograph 6

Date: 8/3/2023

Description: Delineation

View: South



Photograph 7

Date: 10/16/2023

Description: Delineation

View: Southwest



Photograph 8

Date: 10/16/2023

Description: Delineation

View: Northwest



Photographic Log

WPX Energy Permian, LLC

Pinnacle State 2

nAB1732450165



Photograph 9

Date: 1/28/2025

Description: Excavation

View: North



Photograph 10

Date: 1/28/2025

Description: Excavation

View:

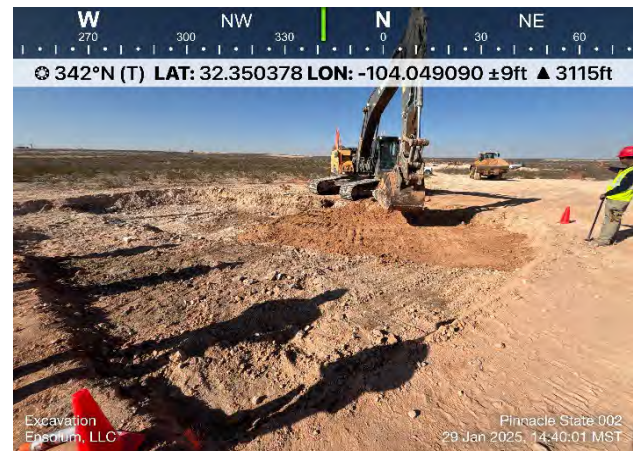


Photograph 11

Date: 1/29/2025

Description: Hydrovac

View: East



Photograph 12

Date: 1/29/2025

Description: Excavation

View: North

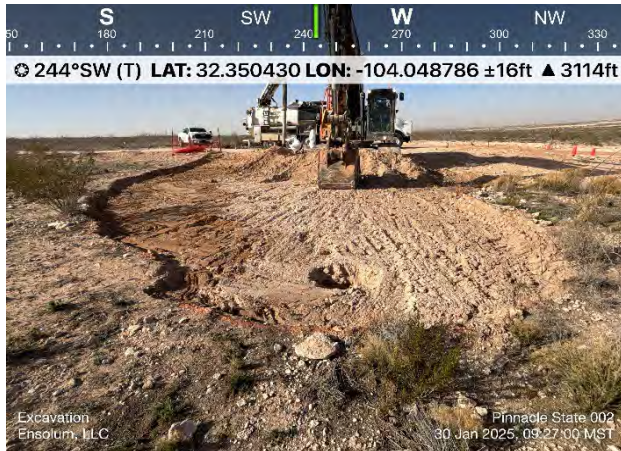


Photographic Log

WPX Energy Permian, LLC

Pinnacle State 2

nAB1732450165



Photograph 13
Description: Excavation
View: Southwest

Date: 1/30/2025



Photograph 14
Description: Excavation
View: Southwest

Date: 1/31/2025



Photograph 15
Description: Excavation
View: Southwest

Date: 1/31/2025



Photograph 16
Description: Excavation
View: Southwest

Date: 2/4/2025



Photographic Log

WPX Energy Permian, LLC

Pinnacle State 2

nAB1732450165



Photograph 17
Description: Excavation
View: North

Date: 2/4/2025



Photograph 18
Description: Excavation
View: North

Date: 2/5/2025



Photograph 19
Description: Excavation
View: East

Date: 2/5/2025



Photograph 20
Description: Excavation
View: North

Date: 2/6/2025

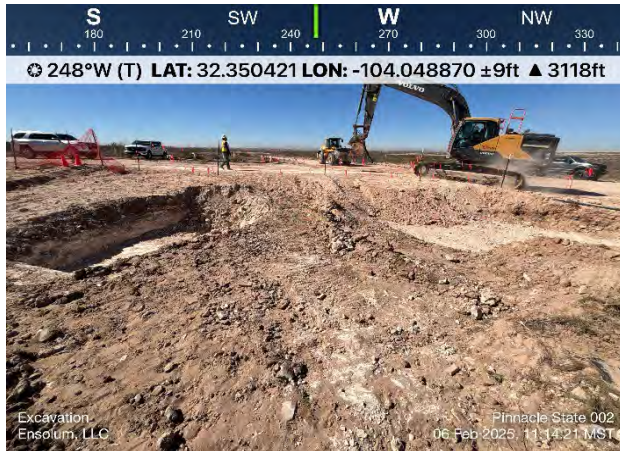


Photographic Log

WPX Energy Permian, LLC

Pinnacle State 2

nAB1732450165



Photograph 21
Description: Excavation
View: West

Date: 2/6/2025



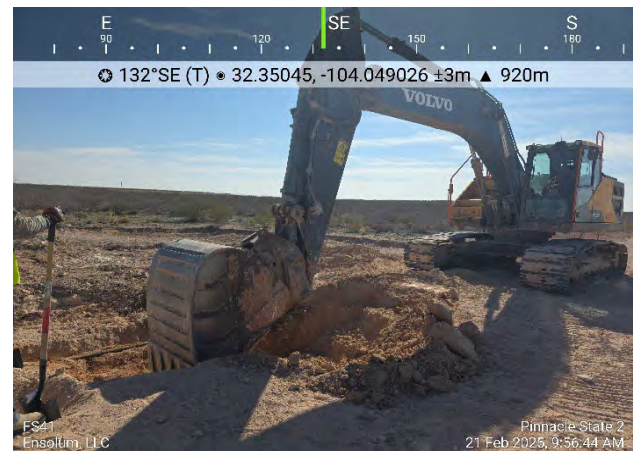
Photograph 22
Description: Excavation
View:

Date: 2/6/2025



Photograph 23
Description: Excavation
View: South

Date: 2/21/2025



Photograph 24
Description: Excavation
View: Southeast

Date: 2/21/2025



APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: Pinacle State 2

Work Order: E306159

Job Number: 01058-0007

Received: 6/21/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/27/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/27/23

Ashley Giovengo
5315 Buena Vista Dr
Carlsbad, NM 88220



Project Name: Pinnacle State 2
Workorder: E306159
Date Received: 6/21/2023 10:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/21/2023 10:00:00AM, under the Project Name: Pinnacle State 2.

The analytical test results summarized in this report with the Project Name: Pinnacle State 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Alexa Michaels
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labadmin@envirotech-inc.com

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Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
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Sample Summary

WPX Energy - Carlsbad	Project Name:	Pinacle State 2	Reported: 06/27/23 13:52
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 - 0'	E306159-01A	Solid	06/19/23	06/21/23	Glass Jar, 4 oz.
SS02 - 0'	E306159-02A	Soil	06/19/23	06/21/23	Glass Jar, 4 oz.
SS03 - 0'	E306159-03A	Soil	06/19/23	06/21/23	Glass Jar, 4 oz.
SS04 - 0'	E306159-04A	Soil	06/19/23	06/21/23	Glass Jar, 4 oz.
SS05 - 0'	E306159-05A	Soil	06/19/23	06/21/23	Glass Jar, 4 oz.
SS06 - 0'	E306159-06A	Soil	06/19/23	06/21/23	Glass Jar, 4 oz.
SS05 - 1.5'	E306159-07A	Soil	06/19/23	06/21/23	Glass Jar, 4 oz.
SS06 - 1'	E306159-08A	Soil	06/19/23	06/21/23	Glass Jar, 4 oz.



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Pinnacle State 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/27/2023 1:52:07PM
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SS01 - 0'

E306159-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Benzene	ND	0.0250	1	06/21/23	06/22/23	
Ethylbenzene	ND	0.0250	1	06/21/23	06/22/23	
Toluene	ND	0.0250	1	06/21/23	06/22/23	
o-Xylene	ND	0.0250	1	06/21/23	06/22/23	
p,m-Xylene	ND	0.0500	1	06/21/23	06/22/23	
Total Xylenes	ND	0.0250	1	06/21/23	06/22/23	
Surrogate: 4-Bromochlorobenzene-PID	95.2 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/23	06/22/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.1 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/23	06/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/23	06/23/23	
Surrogate: n-Nonane	98.5 %	50-200		06/22/23	06/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325052
Chloride	ND	20.0	1	06/21/23	06/23/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
6/27/2023 1:52:07PM

SS02 - 0'

E306159-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Benzene	ND	0.0250	1	06/21/23	06/22/23	
Ethylbenzene	ND	0.0250	1	06/21/23	06/22/23	
Toluene	ND	0.0250	1	06/21/23	06/22/23	
o-Xylene	ND	0.0250	1	06/21/23	06/22/23	
p,m-Xylene	ND	0.0500	1	06/21/23	06/22/23	
Total Xylenes	ND	0.0250	1	06/21/23	06/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/23	06/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.7 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/23	06/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/23	06/23/23	
<i>Surrogate: n-Nonane</i>						
	90.9 %	50-200		06/22/23	06/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325052
Chloride	137	20.0	1	06/21/23	06/23/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
6/27/2023 1:52:07PM

SS03 - 0'

E306159-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2325049	
Benzene	ND	0.0250	1	06/21/23	06/22/23	
Ethylbenzene	ND	0.0250	1	06/21/23	06/22/23	
Toluene	ND	0.0250	1	06/21/23	06/22/23	
o-Xylene	ND	0.0250	1	06/21/23	06/22/23	
p,m-Xylene	ND	0.0500	1	06/21/23	06/22/23	
Total Xylenes	ND	0.0250	1	06/21/23	06/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2325049	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/23	06/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2325064	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/23	06/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/23	06/23/23	
<i>Surrogate: n-Nonane</i>						
	85.1 %	50-200		06/22/23	06/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2325052	
Chloride	ND	20.0	1	06/21/23	06/23/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
6/27/2023 1:52:07PM

SS04 - 0'

E306159-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Benzene	ND	0.0250	1	06/21/23	06/22/23	
Ethylbenzene	ND	0.0250	1	06/21/23	06/22/23	
Toluene	ND	0.0250	1	06/21/23	06/22/23	
o-Xylene	ND	0.0250	1	06/21/23	06/22/23	
p,m-Xylene	ND	0.0500	1	06/21/23	06/22/23	
Total Xylenes	ND	0.0250	1	06/21/23	06/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/23	06/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.4 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/23	06/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/23	06/23/23	
<i>Surrogate: n-Nonane</i>						
	88.8 %	50-200		06/22/23	06/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325052
Chloride	ND	20.0	1	06/21/23	06/23/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
6/27/2023 1:52:07PM

SS05 - 0'

E306159-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Benzene	ND	0.0250	1	06/21/23	06/22/23	
Ethylbenzene	ND	0.0250	1	06/21/23	06/22/23	
Toluene	ND	0.0250	1	06/21/23	06/22/23	
o-Xylene	ND	0.0250	1	06/21/23	06/22/23	
p,m-Xylene	ND	0.0500	1	06/21/23	06/22/23	
Total Xylenes	ND	0.0250	1	06/21/23	06/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/23	06/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.3 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/23	06/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/23	06/23/23	
<i>Surrogate: n-Nonane</i>						
	89.2 %	50-200		06/22/23	06/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325052
Chloride	519	20.0	1	06/21/23	06/23/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
6/27/2023 1:52:07PM

SS06 - 0'

E306159-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Benzene	ND	0.0250	1	06/21/23	06/22/23	
Ethylbenzene	ND	0.0250	1	06/21/23	06/22/23	
Toluene	ND	0.0250	1	06/21/23	06/22/23	
o-Xylene	ND	0.0250	1	06/21/23	06/22/23	
p,m-Xylene	ND	0.0500	1	06/21/23	06/22/23	
Total Xylenes	ND	0.0250	1	06/21/23	06/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.8 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/23	06/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.6 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/23	06/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/23	06/23/23	
<i>Surrogate: n-Nonane</i>						
	76.2 %	50-200		06/22/23	06/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325052
Chloride	704	20.0	1	06/21/23	06/23/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
6/27/2023 1:52:07PM

SS05 - 1.5'

E306159-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Benzene	ND	0.0250	1	06/21/23	06/22/23	
Ethylbenzene	ND	0.0250	1	06/21/23	06/22/23	
Toluene	ND	0.0250	1	06/21/23	06/22/23	
o-Xylene	ND	0.0250	1	06/21/23	06/22/23	
p,m-Xylene	ND	0.0500	1	06/21/23	06/22/23	
Total Xylenes	ND	0.0250	1	06/21/23	06/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.8 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/23	06/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.0 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/23	06/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/23	06/23/23	
<i>Surrogate: n-Nonane</i>						
	77.7 %	50-200		06/22/23	06/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325052
Chloride	579	20.0	1	06/21/23	06/23/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
6/27/2023 1:52:07PM

SS06 - 1'

E306159-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Benzene	ND	0.0250	1	06/21/23	06/22/23	
Ethylbenzene	ND	0.0250	1	06/21/23	06/22/23	
Toluene	ND	0.0250	1	06/21/23	06/22/23	
o-Xylene	ND	0.0250	1	06/21/23	06/22/23	
p,m-Xylene	ND	0.0500	1	06/21/23	06/22/23	
Total Xylenes	ND	0.0250	1	06/21/23	06/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/23	06/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.1 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/23	06/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/23	06/23/23	
<i>Surrogate: n-Nonane</i>						
	72.5 %	50-200		06/22/23	06/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325052
Chloride	190	20.0	1	06/21/23	06/23/23	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/27/2023 1:52:07PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2325049-BLK1)

Prepared: 06/21/23 Analyzed: 06/22/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130			

LCS (2325049-BS1)

Prepared: 06/21/23 Analyzed: 06/22/23

Benzene	5.12	0.0250	5.00		102	70-130			
Ethylbenzene	5.01	0.0250	5.00		100	70-130			
Toluene	5.08	0.0250	5.00		102	70-130			
o-Xylene	5.02	0.0250	5.00		100	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			

Matrix Spike (2325049-MS1)

Source: E306159-07

Prepared: 06/21/23 Analyzed: 06/22/23

Benzene	4.99	0.0250	5.00	ND	99.8	54-133			
Ethylbenzene	4.89	0.0250	5.00	ND	97.8	61-133			
Toluene	4.96	0.0250	5.00	ND	99.1	61-130			
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131			
p,m-Xylene	9.96	0.0500	10.0	ND	99.6	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			

Matrix Spike Dup (2325049-MSD1)

Source: E306159-07

Prepared: 06/21/23 Analyzed: 06/22/23

Benzene	5.22	0.0250	5.00	ND	104	54-133	4.56	20	
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133	4.99	20	
Toluene	5.20	0.0250	5.00	ND	104	61-130	4.72	20	
o-Xylene	5.13	0.0250	5.00	ND	103	63-131	4.76	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	4.78	20	
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131	4.77	20	
Surrogate: 4-Bromochlorobenzene-PID	7.64		8.00		95.5	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/27/2023 1:52:07PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2325049-BLK1) Prepared: 06/21/23 Analyzed: 06/22/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

LCS (2325049-BS2) Prepared: 06/21/23 Analyzed: 06/22/23

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.2	70-130			

Matrix Spike (2325049-MS2) Source: E306159-07 Prepared: 06/21/23 Analyzed: 06/22/23

Gasoline Range Organics (C6-C10)	46.7	20.0	50.0	ND	93.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.7	70-130			

Matrix Spike Dup (2325049-MSD2) Source: E306159-07 Prepared: 06/21/23 Analyzed: 06/22/23

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130	0.786	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		91.9	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/27/2023 1:52:07PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2325064-BLK1)					Prepared: 06/22/23 Analyzed: 06/23/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.7		50.0		97.4	50-200			

LCS (2325064-BS1)					Prepared: 06/22/23 Analyzed: 06/23/23				
Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132			
Surrogate: n-Nonane	34.5		50.0		68.9	50-200			

Matrix Spike (2325064-MS1)					Source: E306160-04		Prepared: 06/22/23 Analyzed: 06/23/23		
Diesel Range Organics (C10-C28)	342	25.0	250	56.4	114	38-132			
Surrogate: n-Nonane	31.1		50.0		62.2	50-200			

Matrix Spike Dup (2325064-MSD1)					Source: E306160-04		Prepared: 06/22/23 Analyzed: 06/23/23		
Diesel Range Organics (C10-C28)	367	25.0	250	56.4	124	38-132	7.07	20	
Surrogate: n-Nonane	30.7		50.0		61.4	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/27/2023 1:52:07PM

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 (2325052-BLK1)					Prepared: 06/21/23 Analyzed: 06/23/23				
Chloride	ND	20.0							
LCS (2325052-BS1)					Prepared: 06/21/23 Analyzed: 06/23/23				
Chloride	246	20.0	250		98.6	90-110			
Matrix Spike (2325052-MS1)					Source: E306159-01		Prepared: 06/21/23 Analyzed: 06/23/23		
Chloride	264	20.0	250	ND	106	80-120			
Matrix Spike Dup (2325052-MSD1)					Source: E306159-01		Prepared: 06/21/23 Analyzed: 06/23/23		
Chloride	264	20.0	250	ND	106	80-120	0.0462	20	

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



Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Pinacle State 2	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/27/23 13:52

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

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

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

Project Information

Chain of Custody

Client: WPX Energy					Bill To		Lab Use Only				TAT				EPA Program			
Project: Pinnacle State 2					Attention: <u>Jim Raley</u>		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Ashley Giovengo					Address: 5315 Buena Vista Dr		<u>E306159</u>		<u>01058-0057</u>					X				
Address: 3122 National Parks Hwy					City, State, Zip: Carlsbad, NM 88220		Analysis and Method									RCRA		
City, State, Zip: Carlsbad, NM 88220					Phone: 575-689-7597		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
Email: agiovengo@ensolum.com					Email: jim.raley@dvn.com									NM CO UT AZ TX				
Report due by:														x				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number													
805	6/19/2023	S	1	SS01-0'	1								X					
810	6/19/2023	S	1	SS02-0'	2								X					
815	6/19/2023	S	1	SS03-0'	3								X					
820	6/19/2023	S	1	SS04-0'	4								X					
825	6/19/2023	S	1	SS05-0'	5								X					
830	6/19/2023	S	1	SS06-0'	6								X					
840	6/19/2023	S	1	SS05-1.5'	7								X					
845	6/19/2023	S	1	SS06-1'	8								X					

Additional Instructions: CC all results to Ashley Giovengo (agiovengo@ensolum.com) and Jim Raley (jim.raley@dvn.com)

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

Sampled by: Ronni Hayes

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>[Signature]</u>	6-20-23	1100	<u>[Signature]</u>	6-20-23	1100	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>[Signature]</u>	6-20-23	1700	<u>[Signature]</u>	6-20-23	1700	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>[Signature]</u>	6-20-23	2230	<u>[Signature]</u>	6/21/23	1000	

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: 6/21/2023 11:20:38AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	WPX Energy - Carlsbad	Date Received:	06/21/23 10:00	Work Order ID:	E306159
Phone:	(539) 573-4018	Date Logged In:	06/21/23 11:03	Logged In By:	Caitlin Mars
Email:	ashley.giovengo@wesominc.com	Due Date:	06/27/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: Pinnacle State 2

Work Order: E306159

Job Number: 01058-0007

Received: 6/21/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/27/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/27/23

Ashley Giovengo
5315 Buena Vista Dr
Carlsbad, NM 88220



Project Name: Pinnacle State 2
Workorder: E306159
Date Received: 6/21/2023 10:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/21/2023 10:00:00AM, under the Project Name: Pinnacle State 2.

The analytical test results summarized in this report with the Project Name: Pinnacle State 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Alexa Michaels
Sample Custody Officer
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Pinnacle State 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/27/23 12:01
--	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 - 0'	E306159-01A	Solid	06/19/23	06/21/23	Glass Jar, 4 oz.
SS02 - 0'	E306159-02A	Soil	06/19/23	06/21/23	Glass Jar, 4 oz.
SS03 - 0'	E306159-03A	Soil	06/19/23	06/21/23	Glass Jar, 4 oz.
SS04 - 0'	E306159-04A	Soil	06/19/23	06/21/23	Glass Jar, 4 oz.
SS05 - 0'	E306159-05A	Soil	06/19/23	06/21/23	Glass Jar, 4 oz.
SS06 - 0'	E306159-06A	Soil	06/19/23	06/21/23	Glass Jar, 4 oz.
SS05A - 1.5'	E306159-07A	Soil	06/19/23	06/21/23	Glass Jar, 4 oz.
SS06A - 1'	E306159-08A	Soil	06/19/23	06/21/23	Glass Jar, 4 oz.



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Pinnacle State 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/27/2023 12:01:02PM
--	--	---

SS01 - 0'

E306159-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Benzene	ND	0.0250	1	06/21/23	06/22/23	
Ethylbenzene	ND	0.0250	1	06/21/23	06/22/23	
Toluene	ND	0.0250	1	06/21/23	06/22/23	
o-Xylene	ND	0.0250	1	06/21/23	06/22/23	
p,m-Xylene	ND	0.0500	1	06/21/23	06/22/23	
Total Xylenes	ND	0.0250	1	06/21/23	06/22/23	
Surrogate: 4-Bromochlorobenzene-PID	95.2 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/23	06/22/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.1 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/23	06/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/23	06/23/23	
Surrogate: n-Nonane	98.5 %	50-200		06/22/23	06/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325052
Chloride	ND	20.0	1	06/21/23	06/23/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/27/2023 12:01:02PM

SS02 - 0'

E306159-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Benzene	ND	0.0250	1	06/21/23	06/22/23	
Ethylbenzene	ND	0.0250	1	06/21/23	06/22/23	
Toluene	ND	0.0250	1	06/21/23	06/22/23	
o-Xylene	ND	0.0250	1	06/21/23	06/22/23	
p,m-Xylene	ND	0.0500	1	06/21/23	06/22/23	
Total Xylenes	ND	0.0250	1	06/21/23	06/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/23	06/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.7 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/23	06/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/23	06/23/23	
<i>Surrogate: n-Nonane</i>						
	90.9 %	50-200		06/22/23	06/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325052
Chloride	137	20.0	1	06/21/23	06/23/23	



Sample Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported: 10/27/2023 12:01:02PM
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	

SS03 - 0'

E306159-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2325049	
Benzene	ND	0.0250	1	06/21/23	06/22/23	
Ethylbenzene	ND	0.0250	1	06/21/23	06/22/23	
Toluene	ND	0.0250	1	06/21/23	06/22/23	
o-Xylene	ND	0.0250	1	06/21/23	06/22/23	
p,m-Xylene	ND	0.0500	1	06/21/23	06/22/23	
Total Xylenes	ND	0.0250	1	06/21/23	06/22/23	
Surrogate: 4-Bromochlorobenzene-PID	95.3 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2325049	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/23	06/22/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.5 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2325064	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/23	06/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/23	06/23/23	
Surrogate: n-Nonane	85.1 %	50-200		06/22/23	06/23/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2325052	
Chloride	ND	20.0	1	06/21/23	06/23/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/27/2023 12:01:02PM

SS04 - 0'

E306159-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Benzene	ND	0.0250	1	06/21/23	06/22/23	
Ethylbenzene	ND	0.0250	1	06/21/23	06/22/23	
Toluene	ND	0.0250	1	06/21/23	06/22/23	
o-Xylene	ND	0.0250	1	06/21/23	06/22/23	
p,m-Xylene	ND	0.0500	1	06/21/23	06/22/23	
Total Xylenes	ND	0.0250	1	06/21/23	06/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/23	06/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.4 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/23	06/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/23	06/23/23	
<i>Surrogate: n-Nonane</i>						
	88.8 %	50-200		06/22/23	06/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325052
Chloride	ND	20.0	1	06/21/23	06/23/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/27/2023 12:01:02PM

SS05 - 0'

E306159-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Benzene	ND	0.0250	1	06/21/23	06/22/23	
Ethylbenzene	ND	0.0250	1	06/21/23	06/22/23	
Toluene	ND	0.0250	1	06/21/23	06/22/23	
o-Xylene	ND	0.0250	1	06/21/23	06/22/23	
p,m-Xylene	ND	0.0500	1	06/21/23	06/22/23	
Total Xylenes	ND	0.0250	1	06/21/23	06/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/23	06/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.3 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/23	06/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/23	06/23/23	
<i>Surrogate: n-Nonane</i>						
	89.2 %	50-200		06/22/23	06/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325052
Chloride	519	20.0	1	06/21/23	06/23/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/27/2023 12:01:02PM

SS06 - 0'

E306159-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Benzene	ND	0.0250	1	06/21/23	06/22/23	
Ethylbenzene	ND	0.0250	1	06/21/23	06/22/23	
Toluene	ND	0.0250	1	06/21/23	06/22/23	
o-Xylene	ND	0.0250	1	06/21/23	06/22/23	
p,m-Xylene	ND	0.0500	1	06/21/23	06/22/23	
Total Xylenes	ND	0.0250	1	06/21/23	06/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.8 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/23	06/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.6 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/23	06/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/23	06/23/23	
<i>Surrogate: n-Nonane</i>						
	76.2 %	50-200		06/22/23	06/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325052
Chloride	704	20.0	1	06/21/23	06/23/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/27/2023 12:01:02PM

SS05A - 1.5'

E306159-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Benzene	ND	0.0250	1	06/21/23	06/22/23	
Ethylbenzene	ND	0.0250	1	06/21/23	06/22/23	
Toluene	ND	0.0250	1	06/21/23	06/22/23	
o-Xylene	ND	0.0250	1	06/21/23	06/22/23	
p,m-Xylene	ND	0.0500	1	06/21/23	06/22/23	
Total Xylenes	ND	0.0250	1	06/21/23	06/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.8 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/23	06/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.0 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/23	06/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/23	06/23/23	
<i>Surrogate: n-Nonane</i>						
	77.7 %	50-200		06/22/23	06/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325052
Chloride	579	20.0	1	06/21/23	06/23/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/27/2023 12:01:02PM

SS06A - 1'

E306159-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Benzene	ND	0.0250	1	06/21/23	06/22/23	
Ethylbenzene	ND	0.0250	1	06/21/23	06/22/23	
Toluene	ND	0.0250	1	06/21/23	06/22/23	
o-Xylene	ND	0.0250	1	06/21/23	06/22/23	
p,m-Xylene	ND	0.0500	1	06/21/23	06/22/23	
Total Xylenes	ND	0.0250	1	06/21/23	06/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/23	06/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.1 %	70-130		06/21/23	06/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/23	06/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/23	06/23/23	
<i>Surrogate: n-Nonane</i>						
	72.5 %	50-200		06/22/23	06/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325052
Chloride	190	20.0	1	06/21/23	06/23/23	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	10/27/2023 12:01:02PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2325049-BLK1)

Prepared: 06/21/23 Analyzed: 06/22/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130			

LCS (2325049-BS1)

Prepared: 06/21/23 Analyzed: 06/22/23

Benzene	5.12	0.0250	5.00		102	70-130			
Ethylbenzene	5.01	0.0250	5.00		100	70-130			
Toluene	5.08	0.0250	5.00		102	70-130			
o-Xylene	5.02	0.0250	5.00		100	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			

Matrix Spike (2325049-MS1)

Source: E306159-07

Prepared: 06/21/23 Analyzed: 06/22/23

Benzene	4.99	0.0250	5.00	ND	99.8	54-133			
Ethylbenzene	4.89	0.0250	5.00	ND	97.8	61-133			
Toluene	4.96	0.0250	5.00	ND	99.1	61-130			
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131			
p,m-Xylene	9.96	0.0500	10.0	ND	99.6	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			

Matrix Spike Dup (2325049-MSD1)

Source: E306159-07

Prepared: 06/21/23 Analyzed: 06/22/23

Benzene	5.22	0.0250	5.00	ND	104	54-133	4.56	20	
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133	4.99	20	
Toluene	5.20	0.0250	5.00	ND	104	61-130	4.72	20	
o-Xylene	5.13	0.0250	5.00	ND	103	63-131	4.76	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	4.78	20	
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131	4.77	20	
Surrogate: 4-Bromochlorobenzene-PID	7.64		8.00		95.5	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	10/27/2023 12:01:02PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2325049-BLK1) Prepared: 06/21/23 Analyzed: 06/22/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

LCS (2325049-BS2) Prepared: 06/21/23 Analyzed: 06/22/23

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.2	70-130			

Matrix Spike (2325049-MS2) Source: E306159-07 Prepared: 06/21/23 Analyzed: 06/22/23

Gasoline Range Organics (C6-C10)	46.7	20.0	50.0	ND	93.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.7	70-130			

Matrix Spike Dup (2325049-MSD2) Source: E306159-07 Prepared: 06/21/23 Analyzed: 06/22/23

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130	0.786	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		91.9	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	10/27/2023 12:01:02PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2325064-BLK1)					Prepared: 06/22/23 Analyzed: 06/23/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.7		50.0		97.4	50-200			

LCS (2325064-BS1)					Prepared: 06/22/23 Analyzed: 06/23/23				
Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132			
Surrogate: n-Nonane	34.5		50.0		68.9	50-200			

Matrix Spike (2325064-MS1)					Source: E306160-04		Prepared: 06/22/23 Analyzed: 06/23/23		
Diesel Range Organics (C10-C28)	342	25.0	250	56.4	114	38-132			
Surrogate: n-Nonane	31.1		50.0		62.2	50-200			

Matrix Spike Dup (2325064-MSD1)					Source: E306160-04		Prepared: 06/22/23 Analyzed: 06/23/23		
Diesel Range Organics (C10-C28)	367	25.0	250	56.4	124	38-132	7.07	20	
Surrogate: n-Nonane	30.7		50.0		61.4	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	10/27/2023 12:01:02PM

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 (2325052-BLK1)					Prepared: 06/21/23 Analyzed: 06/23/23				
Chloride	ND	20.0							
LCS (2325052-BS1)					Prepared: 06/21/23 Analyzed: 06/23/23				
Chloride	246	20.0	250		98.6	90-110			
Matrix Spike (2325052-MS1)					Source: E306159-01		Prepared: 06/21/23 Analyzed: 06/23/23		
Chloride	264	20.0	250	ND	106	80-120			
Matrix Spike Dup (2325052-MSD1)					Source: E306159-01		Prepared: 06/21/23 Analyzed: 06/23/23		
Chloride	264	20.0	250	ND	106	80-120	0.0462	20	

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



Definitions and Notes

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	10/27/23 12:01

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

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

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

Project Information

Chain of Custody

Client: WPX Energy					Bill To					Lab Use Only					TAT				EPA Program					
Project: Pinnacle State 2					Attention: <u>Jim Raley</u>					Lab WO# <u>E306159</u>					Job Number <u>01058-0057</u>				1D	2D	3D	Standard	CWA	SDWA
Project Manager: Ashley Giovengo					Address: 5315 Buena Vista Dr																	X		
Address: 3122 National Parks Hwy					City, State, Zip <u>Carlsbad, NM 88220</u>					Analysis and Method														
City, State, Zip <u>Carlsbad, NM 88220</u>					Phone: <u>575-689-7597</u>																			
Phone: 575-988-0055					Email: <u>jim.raley@dvn.com</u>																			
Email: <u>agiovengo@ensolum.com</u>																								
Report due by:																								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX									
805	6/19/2023	S	1	SS01-0'	1								X											
810	6/19/2023	S	1	SS02-0'	2								X											
815	6/19/2023	S	1	SS03-0'	3								X											
820	6/19/2023	S	1	SS04-0'	4								X											
825	6/19/2023	S	1	SS05-0'	5								X											
830	6/19/2023	S	1	SS06-0'	6								X											
840	6/19/2023	S	1	SS05-1.5'	7								X											
845	6/19/2023	S	1	SS06-1'	8								X											

Additional Instructions: CC all results to Ashley Giovengo (agiovengo@ensolum.com) and Jim Raley (jim.raley@dvn.com)

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

Sampled by: Ronni Hayes

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>[Signature]</u>	6-20-23	1100	<u>[Signature]</u>	6-20-23	1100	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>[Signature]</u>	6-20-23	1700	<u>[Signature]</u>	6-20-23	1700	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>[Signature]</u>	6-20-23	2230	<u>[Signature]</u>	6/21/23	1000	

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

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

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



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Envirotech Analytical Laboratory

Printed: 6/21/2023 11:20:38AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	WPX Energy - Carlsbad	Date Received:	06/21/23 10:00	Work Order ID:	E306159
Phone:	(539) 573-4018	Date Logged In:	06/21/23 11:03	Logged In By:	Caitlin Mars
Email:	ashley.giovengo@wesominc.com	Due Date:	06/27/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Project Information

Chain of Custody

Page 1 of 1

Client: WPX Energy				Bill To				Lab Use Only				TAT				EPA Program			
Project: Pinnacle State 2				Attention: Jim Raley				Lab WO# E306159				Job Number 01058-0007				1D 2D 3D Standard CWA SDWA			
Project Manager: Ashley Giovengo				Address: 5315 Buena Vista Dr								X							
Address: 3122 National Parks Hwy				City, State, Zip: Carlsbad, NM 88220				Analysis and Method								RCRA			
City, State, Zip: Carlsbad, NM 88220				Phone: 575-689-7597															
Phone: 575-988-0055				Email: jim.raley@dvn.com															
Email: agiovengo@ensolum.com																			
Report due by:																			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	GDOC TX	State						
													NM	CO	UT	AZ	TX		
													x						
													Remarks						
805	6/19/2023	S	1	SS01-0'	1						X		Changed sample names per Client request. 10/27/23						
810	6/19/2023	S	1	SS02-0'	2						X								
815	6/19/2023	S	1	SS03-0'	3						X								
820	6/19/2023	S	1	SS04-0'	4						X								
825	6/19/2023	S	1	SS05-0'	5						X								
830	6/19/2023	S	1	SS06-0'	6						X								
840	6/19/2023	S	1	SS05-1.5' SS05A-1.5'	7						X								
845	6/19/2023	S	1	SS06-1' SS06A-1'	8						X								
Additional Instructions: CC all results to Ashley Giovengo (agiovengo@ensolum.com) and Jim Raley (jim.raley@dvn.com)																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.							
Sampled by: <u>Bonni Hayes</u>																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only							
<u>[Signature]</u>		6-20-23		1100		<u>[Signature]</u>		6-20-23		1100		Received on ice: <u>Y</u> N							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3							
<u>[Signature]</u>		6-20-23		1700		<u>[Signature]</u>		6-20-23		1700									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C							
<u>[Signature]</u>		6-20-23		2230		<u>[Signature]</u>		6-21-23		1000		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:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: Pinnacle State 2

Work Order: E306233

Job Number: 01058-0007

Received: 6/30/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/10/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 7/10/23

Ashley Giovengo
5315 Buena Vista Dr
Carlsbad, NM 88220



Project Name: Pinnacle State 2
Workorder: E306233
Date Received: 6/30/2023 8:20:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/30/2023 8:20:00AM, under the Project Name: Pinnacle State 2.

The analytical test results summarized in this report with the Project Name: Pinnacle State 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported: 07/10/23 12:32
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 @ 0'	E306233-01A	Soil	06/27/23	06/30/23	Glass Jar, 2 oz.
PH01A @ 1'	E306233-02A	Soil	06/27/23	06/30/23	Glass Jar, 2 oz.
PH01B @ 2'	E306233-03A	Soil	06/27/23	06/30/23	Glass Jar, 2 oz.
PH02 @ 0'	E306233-04A	Soil	06/27/23	06/30/23	Glass Jar, 2 oz.
PH02A @ 1'	E306233-05A	Soil	06/27/23	06/30/23	Glass Jar, 2 oz.
PH02B @ 2'	E306233-06A	Soil	06/27/23	06/30/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Pinnacle State 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 7/10/2023 12:32:48PM
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PH01 @ 0'

E306233-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2326079
Benzene	ND	0.0250	1	06/30/23	07/01/23	
Ethylbenzene	ND	0.0250	1	06/30/23	07/01/23	
Toluene	ND	0.0250	1	06/30/23	07/01/23	
o-Xylene	ND	0.0250	1	06/30/23	07/01/23	
p,m-Xylene	ND	0.0500	1	06/30/23	07/01/23	
Total Xylenes	ND	0.0250	1	06/30/23	07/01/23	
Surrogate: 4-Bromochlorobenzene-PID	95.2 %	70-130		06/30/23	07/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2326079
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/30/23	07/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.5 %	70-130		06/30/23	07/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2327031
Diesel Range Organics (C10-C28)	ND	25.0	1	07/06/23	07/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/06/23	07/07/23	
Surrogate: n-Nonane	90.8 %	50-200		07/06/23	07/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2327017
Chloride	1340	20.0	1	07/05/23	07/06/23	



Sample Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported: 7/10/2023 12:32:48PM
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	

PH01A @ 1'
E306233-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2326079	
Benzene	ND	0.0250	1	06/30/23	07/01/23	
Ethylbenzene	ND	0.0250	1	06/30/23	07/01/23	
Toluene	ND	0.0250	1	06/30/23	07/01/23	
o-Xylene	ND	0.0250	1	06/30/23	07/01/23	
p,m-Xylene	ND	0.0500	1	06/30/23	07/01/23	
Total Xylenes	ND	0.0250	1	06/30/23	07/01/23	
Surrogate: 4-Bromochlorobenzene-PID	94.7 %	70-130		06/30/23	07/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2326079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/30/23	07/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.8 %	70-130		06/30/23	07/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2327031	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/06/23	07/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/06/23	07/07/23	
Surrogate: n-Nonane	91.8 %	50-200		07/06/23	07/07/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2327017	
Chloride	1110	20.0	1	07/05/23	07/06/23	



Sample Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported: 7/10/2023 12:32:48PM
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	

PH01B @ 2'
E306233-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2326079	
Benzene	ND	0.0250	1	06/30/23	07/01/23	
Ethylbenzene	ND	0.0250	1	06/30/23	07/01/23	
Toluene	ND	0.0250	1	06/30/23	07/01/23	
o-Xylene	ND	0.0250	1	06/30/23	07/01/23	
p,m-Xylene	ND	0.0500	1	06/30/23	07/01/23	
Total Xylenes	ND	0.0250	1	06/30/23	07/01/23	
Surrogate: 4-Bromochlorobenzene-PID	95.6 %	70-130		06/30/23	07/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2326079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/30/23	07/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.3 %	70-130		06/30/23	07/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2327031	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/06/23	07/07/23	
Oil Range Organics (C28-C36)	56.1	50.0	1	07/06/23	07/07/23	
Surrogate: n-Nonane	93.6 %	50-200		07/06/23	07/07/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2327017	
Chloride	744	20.0	1	07/05/23	07/06/23	



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Pinnacle State 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 7/10/2023 12:32:48PM
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PH02 @ 0'
E306233-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2326079	
Benzene	ND	0.0250	1	06/30/23	07/01/23	
Ethylbenzene	ND	0.0250	1	06/30/23	07/01/23	
Toluene	ND	0.0250	1	06/30/23	07/01/23	
o-Xylene	ND	0.0250	1	06/30/23	07/01/23	
p,m-Xylene	0.0846	0.0500	1	06/30/23	07/01/23	
Total Xylenes	0.0846	0.0250	1	06/30/23	07/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		06/30/23	07/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2326079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/30/23	07/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.4 %	70-130		06/30/23	07/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2327031	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/06/23	07/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/06/23	07/07/23	
<i>Surrogate: n-Nonane</i>						
	94.9 %	50-200		07/06/23	07/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2327017	
Chloride	2800	40.0	2	07/05/23	07/06/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
7/10/2023 12:32:48PM

PH02A @ 1'

E306233-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2326079	
Benzene	ND	0.0250	1	06/30/23	07/01/23	
Ethylbenzene	ND	0.0250	1	06/30/23	07/01/23	
Toluene	ND	0.0250	1	06/30/23	07/01/23	
o-Xylene	ND	0.0250	1	06/30/23	07/01/23	
p,m-Xylene	ND	0.0500	1	06/30/23	07/01/23	
Total Xylenes	ND	0.0250	1	06/30/23	07/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		06/30/23	07/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2326079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/30/23	07/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.8 %	70-130		06/30/23	07/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2327031	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/06/23	07/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/06/23	07/07/23	
<i>Surrogate: n-Nonane</i>						
	91.5 %	50-200		07/06/23	07/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2327017	
Chloride	449	20.0	1	07/05/23	07/06/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
7/10/2023 12:32:48PM

PH02B @ 2'

E306233-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2326079	
Benzene	ND	0.0250	1	06/30/23	07/01/23	
Ethylbenzene	ND	0.0250	1	06/30/23	07/01/23	
Toluene	ND	0.0250	1	06/30/23	07/01/23	
o-Xylene	ND	0.0250	1	06/30/23	07/01/23	
p,m-Xylene	ND	0.0500	1	06/30/23	07/01/23	
Total Xylenes	ND	0.0250	1	06/30/23	07/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		06/30/23	07/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2326079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/30/23	07/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.1 %	70-130		06/30/23	07/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2327031	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/06/23	07/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/06/23	07/07/23	
<i>Surrogate: n-Nonane</i>						
	92.1 %	50-200		07/06/23	07/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2327017	
Chloride	593	20.0	1	07/05/23	07/07/23	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	7/10/2023 12:32:48PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2326079-BLK1)

Prepared: 06/30/23 Analyzed: 06/30/23

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	7.47		8.00		93.4	70-130			

LCS (2326079-BS1)

Prepared: 06/30/23 Analyzed: 06/30/23

Benzene	4.90	0.0250	5.00		98.1	70-130			
Ethylbenzene	4.78	0.0250	5.00		95.7	70-130			
Toluene	4.86	0.0250	5.00		97.3	70-130			
o-Xylene	4.80	0.0250	5.00		96.1	70-130			
p,m-Xylene	9.74	0.0500	10.0		97.3	70-130			
Total Xylenes	14.5	0.0250	15.0		96.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			

Matrix Spike (2326079-MS1)

Source: E306230-03

Prepared: 06/30/23 Analyzed: 06/30/23

Benzene	4.97	0.0250	5.00	ND	99.5	54-133			
Ethylbenzene	4.85	0.0250	5.00	ND	96.9	61-133			
Toluene	4.94	0.0250	5.00	ND	98.7	61-130			
o-Xylene	4.86	0.0250	5.00	ND	97.3	63-131			
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	98.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.7	70-130			

Matrix Spike Dup (2326079-MSD1)

Source: E306230-03

Prepared: 06/30/23 Analyzed: 06/30/23

Benzene	5.06	0.0250	5.00	ND	101	54-133	1.66	20	
Ethylbenzene	4.92	0.0250	5.00	ND	98.4	61-133	1.52	20	
Toluene	5.01	0.0250	5.00	ND	100	61-130	1.53	20	
o-Xylene	4.94	0.0250	5.00	ND	98.7	63-131	1.48	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	1.61	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.6	63-131	1.57	20	
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	7/10/2023 12:32:48PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2326079-BLK1) Prepared: 06/30/23 Analyzed: 06/30/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		91.9	70-130			

LCS (2326079-BS2) Prepared: 06/30/23 Analyzed: 06/30/23

Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.2	70-130			

Matrix Spike (2326079-MS2) Source: E306230-03 Prepared: 06/30/23 Analyzed: 06/30/23

Gasoline Range Organics (C6-C10)	42.6	20.0	50.0	ND	85.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.06		8.00		88.2	70-130			

Matrix Spike Dup (2326079-MSD2) Source: E306230-03 Prepared: 06/30/23 Analyzed: 06/30/23

Gasoline Range Organics (C6-C10)	42.9	20.0	50.0	ND	85.7	70-130	0.521	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.1	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	7/10/2023 12:32:48PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2327031-BLK1)					Prepared: 07/06/23 Analyzed: 07/07/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.1		50.0		90.3	50-200			

LCS (2327031-BS1)					Prepared: 07/06/23 Analyzed: 07/07/23				
Diesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
Surrogate: n-Nonane	46.4		50.0		92.7	50-200			

Matrix Spike (2327031-MS1)					Source: E306233-05		Prepared: 07/06/23 Analyzed: 07/07/23		
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	38-132			
Surrogate: n-Nonane	47.0		50.0		94.0	50-200			

Matrix Spike Dup (2327031-MSD1)					Source: E306233-05		Prepared: 07/06/23 Analyzed: 07/07/23		
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132	9.67	20	
Surrogate: n-Nonane	44.6		50.0		89.2	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	7/10/2023 12:32:48PM

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 (2327017-BLK1)					Prepared: 07/05/23 Analyzed: 07/06/23				
Chloride	ND	20.0							
LCS (2327017-BS1)					Prepared: 07/05/23 Analyzed: 07/06/23				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2327017-MS1)					Source: E306230-01		Prepared: 07/05/23 Analyzed: 07/06/23		
Chloride	604	20.0	250	364	95.8	80-120			
Matrix Spike Dup (2327017-MSD1)					Source: E306230-01		Prepared: 07/05/23 Analyzed: 07/06/23		
Chloride	614	20.0	250	364	100	80-120	1.73	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:	Pinnacle State 2	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	07/10/23 12:32

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

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

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

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

Envirotech Analytical Laboratory

Printed: 6/30/2023 10:19:38AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	WPX Energy - Carlsbad	Date Received:	06/30/23 08:20	Work Order ID:	E306233
Phone:	(539) 573-4018	Date Logged In:	06/29/23 17:02	Logged In By:	Caitlin Mars
Email:	ashley.giovengo@wesominc.com	Due Date:	07/10/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Pinnacle State 2

Work Order: E308032

Job Number: 01058-0007

Received: 8/7/2023

Revision: 3

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/15/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 8/15/23

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Pinnacle State 2
Workorder: E308032
Date Received: 8/7/2023 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/7/2023 7:45:00AM, under the Project Name: Pinnacle State 2.

The analytical test results summarized in this report with the Project Name: Pinnacle State 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported: 08/15/23 12:07
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01C - 3'	E308032-01A	Soil	08/03/23	08/07/23	Glass Jar, 2 oz.
PH01 - 4'	E308032-02A	Soil	08/03/23	08/07/23	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/15/2023 12:07:37PM
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PH01C - 3'

E308032-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2332001	
Benzene	ND	0.0250	1	08/07/23	08/07/23	
Ethylbenzene	ND	0.0250	1	08/07/23	08/07/23	
Toluene	ND	0.0250	1	08/07/23	08/07/23	
o-Xylene	ND	0.0250	1	08/07/23	08/07/23	
p,m-Xylene	ND	0.0500	1	08/07/23	08/07/23	
Total Xylenes	ND	0.0250	1	08/07/23	08/07/23	
Surrogate: 4-Bromochlorobenzene-PID	97.4 %	70-130		08/07/23	08/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2332001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/23	08/07/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	83.1 %	70-130		08/07/23	08/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2332006	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/23	08/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/23	08/07/23	
Surrogate: n-Nonane	101 %	50-200		08/07/23	08/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2332014	
Chloride	320	20.0	1	08/07/23	08/08/23	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/15/2023 12:07:37PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2332001-BLK1)

Prepared: 08/07/23 Analyzed: 08/07/23

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	7.90		8.00		98.7	70-130			

LCS (2332001-BS1)

Prepared: 08/07/23 Analyzed: 08/07/23

Benzene	4.76	0.0250	5.00		95.2	70-130			
Ethylbenzene	4.64	0.0250	5.00		92.8	70-130			
Toluene	4.78	0.0250	5.00		95.7	70-130			
o-Xylene	4.79	0.0250	5.00		95.8	70-130			
p,m-Xylene	9.63	0.0500	10.0		96.3	70-130			
Total Xylenes	14.4	0.0250	15.0		96.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.7	70-130			

Matrix Spike (2332001-MS1)

Source: E308031-06

Prepared: 08/07/23 Analyzed: 08/07/23

Benzene	4.93	0.0250	5.00	ND	98.6	54-133			
Ethylbenzene	4.79	0.0250	5.00	ND	95.7	61-133			
Toluene	4.94	0.0250	5.00	ND	98.9	61-130			
o-Xylene	4.92	0.0250	5.00	ND	98.4	63-131			
p,m-Xylene	9.91	0.0500	10.0	ND	99.1	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.9	70-130			

Matrix Spike Dup (2332001-MSD1)

Source: E308031-06

Prepared: 08/07/23 Analyzed: 08/07/23

Benzene	5.05	0.0250	5.00	ND	101	54-133	2.45	20	
Ethylbenzene	4.90	0.0250	5.00	ND	98.0	61-133	2.34	20	
Toluene	5.07	0.0250	5.00	ND	101	61-130	2.45	20	
o-Xylene	5.04	0.0250	5.00	ND	101	63-131	2.44	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	2.48	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	2.46	20	
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.6	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/15/2023 12:07:37PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2332001-BLK1) Prepared: 08/07/23 Analyzed: 08/07/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.3	70-130			

LCS (2332001-BS2) Prepared: 08/07/23 Analyzed: 08/07/23

Gasoline Range Organics (C6-C10)	45.1	20.0	50.0		90.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.88		8.00		86.0	70-130			

Matrix Spike (2332001-MS2) Source: E308031-06 Prepared: 08/07/23 Analyzed: 08/07/23

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.74		8.00		84.2	70-130			

Matrix Spike Dup (2332001-MSD2) Source: E308031-06 Prepared: 08/07/23 Analyzed: 08/07/23

Gasoline Range Organics (C6-C10)	45.7	20.0	50.0	ND	91.4	70-130	1.87	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.72		8.00		84.0	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/15/2023 12:07:37PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2332006-BLK1)					Prepared: 08/07/23 Analyzed: 08/07/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.2		50.0		102	50-200			

LCS (2332006-BS1)					Prepared: 08/07/23 Analyzed: 08/07/23				
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
Surrogate: n-Nonane	50.7		50.0		101	50-200			

Matrix Spike (2332006-MS1)					Source: E308035-06		Prepared: 08/07/23 Analyzed: 08/07/23		
Diesel Range Organics (C10-C28)	686	50.0	250	498	75.3	38-132			
Surrogate: n-Nonane	49.2		50.0		98.4	50-200			

Matrix Spike Dup (2332006-MSD1)					Source: E308035-06		Prepared: 08/07/23 Analyzed: 08/07/23		
Diesel Range Organics (C10-C28)	759	50.0	250	498	104	38-132	10.1	20	
Surrogate: n-Nonane	49.0		50.0		98.0	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/15/2023 12:07:37PM

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 (2332014-BLK1)					Prepared: 08/07/23 Analyzed: 08/07/23				
Chloride	ND	20.0							
LCS (2332014-BS1)					Prepared: 08/07/23 Analyzed: 08/08/23				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2332014-MS1)					Source: E308028-01		Prepared: 08/07/23 Analyzed: 08/08/23		
Chloride	336	20.0	250	ND	135	80-120			M2
Matrix Spike Dup (2332014-MSD1)					Source: E308028-01		Prepared: 08/07/23 Analyzed: 08/08/23		
Chloride	311	20.0	250	ND	125	80-120	7.71	20	M2

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

Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	08/15/23 12:07

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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

Client: Devon Energy		Bill To		Lab Use Only		TAT		EPA Program	
Project: Pinnacle State 2		Attention: Jim Raley		Lab WO#		1D 2D 3D		CWA SDWA	
Project Manager: Ashley Giovengo		Address: 5315 Buena Vista Dr		Job Number		Standard			
Address: 3122 National Parks Hwy		City, State, Zip: Carlsbad NM, 88220		E308032 010580007		X			
City, State, Zip: Carlsbad NM, 88220		Phone: (575)689-7597		Analysis and Method				RCRA	
Phone: 575-988-0055		Email: jim.raley@dvn.com						State	
Email: agiovengo@ensolum.com								NM CO UT AZ TX	
Report due by:								X	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
8:51	8/3/2023	S	1	PH01 - 3'	1						X		
9:01	8/3/2023	S	1	PH01 - 4'	2						X		Do not run unless PH01 - 3' is > 100TPH or 600 Chloride

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

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

Sampled by:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<i>[Signature]</i>	8-4-23	11:36	<i>Michelle Camp</i>	8-4-23	11:36	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Camp</i>	8-4-23	1715	<i>Mike M650</i>	8-4-23	1730	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Mike M650</i>	8-4-23	2345	<i>Al [Signature]</i>	8-7-23	7:45	

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: 8/7/2023 2:53:34PM

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:	08/07/23 07:45	Work Order ID:	E308032
Phone:	(505) 382-1211	Date Logged In:	08/04/23 16:08	Logged In By:	Caitlin Mars
Email:	ashley.giovengo@wescominc.com	Due Date:	08/11/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Courier**Comments/Resolution**

COC Remarks by client on sample 2: Do not run unless PH01-3 is >100 TPH or 600 Chloride

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Project Information

Chain of Custody

Page 1 of 1

Client: Devon Energy				Bill To				Lab Use Only				TAT				EPA Program			
Project: Pinnacle State 2				Attention: Jim Raley				Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Ashley Giovengo				Address: 5315 Buena Vista Dr				E308032		010580007					X				
Address: 3122 National Parks Hwy				City, State, Zip: Carlsbad NM, 88220				Analysis and Method										RCRA	
City, State, Zip: Carlsbad NM, 88220				Phone: (575)689-7597				TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
Email: agiovengo@ensolum.com				Email: jim.raley@dvn.com											NM	CO	UT	AZ	TX
Report due by:																			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number													Remarks	
8:51	8/3/2023	S	1	PH01-3' PH01C-3'	1														
9:01	8/3/2023	S	1	PH01-4'	2													Do not run unless PH01-3' is > 100TPH or 600 Chloride	
																		Changed	
																		Sample name	
																		per Client.	
																		8/15/23 cm	
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, chamilton@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only											
[Signature]		8-4-23	11:36	[Signature]		8-4-23	11:36	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3											
[Signature]		8-4-23	1715	[Signature]		8-4-23	1730												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C											
[Signature]		8-4-23	2345	[Signature]		8-7-23	7:45	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:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Pinnacle State 2

Work Order: E310118

Job Number: 01058-0007

Received: 10/18/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/23/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/23/23

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Pinnacle State 2
Workorder: E310118
Date Received: 10/18/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/18/2023 8:15:00AM, under the Project Name: Pinnacle State 2.

The analytical test results summarized in this report with the Project Name: Pinnacle State 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported: 10/23/23 11:40
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01A - 0'	E310118-01A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
BH01 - 0.5'	E310118-02A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
BH01 - 1'	E310118-03A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
BH02 - 0'	E310118-04A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
BH02 - 0.5'	E310118-05A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
BH03 - 0'	E310118-06A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
BH03 - 0.5'	E310118-07A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
PH04 - 0'	E310118-08A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
PH04 - 1'	E310118-09A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
PH04 - 2'	E310118-10A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
PH03 - 0'	E310118-11A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
PH03 - 1'	E310118-12A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
PH03 - 2.5'	E310118-13A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
PH03 - 3'	E310118-14A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/23/2023 11:40:46AM
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SS01A - 0'

E310118-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2342046	
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
<i>Surrogate: Bromofluorobenzene</i>	97.1 %	70-130		10/17/23	10/19/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	95.7 %	70-130		10/17/23	10/19/23	
<i>Surrogate: Toluene-d8</i>	93.5 %	70-130		10/17/23	10/19/23	

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2342046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
<i>Surrogate: Bromofluorobenzene</i>	97.1 %	70-130		10/17/23	10/19/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	95.7 %	70-130		10/17/23	10/19/23	
<i>Surrogate: Toluene-d8</i>	93.5 %	70-130		10/17/23	10/19/23	

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2342052	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
<i>Surrogate: n-Nonane</i>	101 %	50-200		10/18/23	10/19/23	

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2342058	
Chloride	34.4	20.0	1	10/18/23	10/18/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/23/2023 11:40:46AM

BH01 - 0.5'

E310118-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	99.6 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	96.4 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	99.6 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	96.4 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	100 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	24.5	20.0	1	10/18/23	10/18/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/23/2023 11:40:46AM

BH01 - 1'

E310118-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	0.0410	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	0.0515	0.0500	1	10/17/23	10/19/23	
Total Xylenes	0.0925	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	96.5 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.0 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	96.5 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.0 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	102 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	58.3	20.0	1	10/18/23	10/18/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/23/2023 11:40:46AM

BH02 - 0'

E310118-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.0 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.0 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	110 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	ND	20.0	1	10/18/23	10/18/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/23/2023 11:40:46AM

BH02 - 0.5'

E310118-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.5 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.5 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	103 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	ND	20.0	1	10/18/23	10/18/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/23/2023 11:40:46AM

BH03 - 0'

E310118-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	96.7 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	94.9 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	96.7 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	94.9 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	103 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	ND	20.0	1	10/18/23	10/19/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/23/2023 11:40:46AM

BH03 - 0.5'

E310118-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	99.6 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	98.6 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	99.6 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	98.6 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	102 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	ND	20.0	1	10/18/23	10/19/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/23/2023 11:40:46AM

PH04 - 0'

E310118-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	0.0560	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	95.7 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	94.4 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	95.7 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	94.4 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	101 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	2200	20.0	1	10/18/23	10/19/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/23/2023 11:40:46AM

PH04 - 1'

E310118-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	96.1 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.4 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	96.1 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.4 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	96.0 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	379	20.0	1	10/18/23	10/19/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/23/2023 11:40:46AM

PH04 - 2'

E310118-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	94.8 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	94.8 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	106 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	265	20.0	1	10/18/23	10/19/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/23/2023 11:40:46AM

PH03 - 0'

E310118-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	0.109	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	98.9 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	92.3 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.0 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	98.9 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	92.3 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.0 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	104 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	2230	20.0	1	10/18/23	10/19/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/23/2023 11:40:46AM

PH03 - 1'

E310118-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	98.6 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	97.4 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	98.6 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	97.4 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	105 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	798	20.0	1	10/18/23	10/19/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/23/2023 11:40:46AM

PH03 - 2.5'

E310118-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	97.6 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	96.8 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	97.6 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	96.8 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	109 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	475	20.0	1	10/18/23	10/19/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/23/2023 11:40:46AM

PH03 - 3'

E310118-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene		101 %	70-130	10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	10/17/23	10/19/23	
Surrogate: Toluene-d8		95.3 %	70-130	10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene		101 %	70-130	10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	10/17/23	10/19/23	
Surrogate: Toluene-d8		95.3 %	70-130	10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane		107 %	50-200	10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	262	20.0	1	10/18/23	10/19/23	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/23/2023 11:40:46AM

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 (2342046-BLK1)

Prepared: 10/17/23 Analyzed: 10/19/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.480		0.500		95.9	70-130			

LCS (2342046-BS1)

Prepared: 10/17/23 Analyzed: 10/19/23

Benzene	2.58	0.0250	2.50		103	70-130			
Ethylbenzene	2.49	0.0250	2.50		99.8	70-130			
Toluene	2.44	0.0250	2.50		97.4	70-130			
o-Xylene	2.51	0.0250	2.50		100	70-130			
p,m-Xylene	4.88	0.0500	5.00		97.6	70-130			
Total Xylenes	7.39	0.0250	7.50		98.5	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.1	70-130			

Matrix Spike (2342046-MS1)

Source: E310103-01

Prepared: 10/17/23 Analyzed: 10/19/23

Benzene	2.50	0.0250	2.50	ND	99.8	48-131			
Ethylbenzene	1.98	0.0250	2.50	ND	79.2	45-135			
Toluene	2.32	0.0250	2.50	ND	92.9	48-130			
o-Xylene	2.05	0.0250	2.50	ND	81.9	43-135			
p,m-Xylene	3.97	0.0500	5.00	ND	79.4	43-135			
Total Xylenes	6.02	0.0250	7.50	ND	80.2	43-135			
Surrogate: Bromofluorobenzene	0.425		0.500		85.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		92.0	70-130			
Surrogate: Toluene-d8	0.473		0.500		94.6	70-130			

Matrix Spike Dup (2342046-MSD1)

Source: E310103-01

Prepared: 10/17/23 Analyzed: 10/20/23

Benzene	2.64	0.0250	2.50	ND	106	48-131	5.63	23	
Ethylbenzene	2.50	0.0250	2.50	ND	99.8	45-135	23.1	27	
Toluene	2.44	0.0250	2.50	ND	97.7	48-130	5.00	24	
o-Xylene	2.53	0.0250	2.50	ND	101	43-135	20.9	27	
p,m-Xylene	4.96	0.0500	5.00	ND	99.2	43-135	22.2	27	
Total Xylenes	7.49	0.0250	7.50	ND	99.8	43-135	21.7	27	
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/23/2023 11:40:46AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2342046-BLK1)

Prepared: 10/17/23 Analyzed: 10/19/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.480		0.500		95.9	70-130			

LCS (2342046-BS2)

Prepared: 10/17/23 Analyzed: 10/19/23

Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.5	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.5	70-130			

Matrix Spike (2342046-MS2)

Source: E310103-01

Prepared: 10/17/23 Analyzed: 10/19/23

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130			
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.8	70-130			

Matrix Spike Dup (2342046-MSD2)

Source: E310103-01

Prepared: 10/17/23 Analyzed: 10/19/23

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0	ND	92.2	70-130	2.10	20	
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/23/2023 11:40:46AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2342052-BLK1) Prepared: 10/18/23 Analyzed: 10/19/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.9		50.0		116	50-200			

LCS (2342052-BS1) Prepared: 10/18/23 Analyzed: 10/19/23

Diesel Range Organics (C10-C28)	308	25.0	250		123	38-132			
Surrogate: n-Nonane	56.2		50.0		112	50-200			

Matrix Spike (2342052-MS1) Source: E310118-06 Prepared: 10/18/23 Analyzed: 10/19/23

Diesel Range Organics (C10-C28)	300	25.0	250	ND	120	38-132			
Surrogate: n-Nonane	52.2		50.0		104	50-200			

Matrix Spike Dup (2342052-MSD1) Source: E310118-06 Prepared: 10/18/23 Analyzed: 10/19/23

Diesel Range Organics (C10-C28)	317	25.0	250	ND	127	38-132	5.37	20	
Surrogate: n-Nonane	55.8		50.0		112	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/23/2023 11:40:46AM

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 (2342058-BLK1)					Prepared: 10/18/23 Analyzed: 10/18/23				
Chloride	ND	20.0							
LCS (2342058-BS1)					Prepared: 10/18/23 Analyzed: 10/18/23				
Chloride	248	20.0	250		99.1	90-110			
Matrix Spike (2342058-MS1)					Source: E310118-04		Prepared: 10/18/23 Analyzed: 10/18/23		
Chloride	263	20.0	250	ND	105	80-120			
Matrix Spike Dup (2342058-MSD1)					Source: E310118-04		Prepared: 10/18/23 Analyzed: 10/18/23		
Chloride	265	20.0	250	ND	106	80-120	0.939	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:	Pinnacle State 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/23/23 11:40

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - DNI Did Not Ignite
 - DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 2

Client: Devon Energy				Bill To		Lab Use Only		TAT				EPA Program						
Project: Pinnacle State 2				Attention: Jim Raley		Lab WO# E310118		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Ashley Giovengo				Address: 5315 Buena Vista Dr									X					
Address: 3122 National Parks Hwy				City, State, Zip: Carlsbad NM, 88220											RCRA			
City, State, Zip: Carlsbad NM, 88220				Phone: (575)689-7597										State				
Phone: 575-988-0055				Email: jim.raley@dvn.com										NM	CO	UT	AZ	TX
Email: agiovengo@ensolum.com														X				
Report due by:																		Remarks
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	GDOC TX					
10:00	10/16/2023	Soil	1	SS01A-0'	1							X						
10:33	10/16/2023	Soil	1	BH01-0.5'	2							X						
11:19	10/16/2023	Soil	1	BH01-1'	3							X						
12:23	10/16/2023	Soil	1	BH02-0'	4							X						
12:45	10/16/2023	Soil	1	BH02-0.5'	5							X						
12:26	10/16/2023	Soil	1	BH03-0'	6							X						
12:59	10/16/2023	Soil	1	BH03-0.5'	7							X						
12:30	10/16/2023	Soil	1	PH04-0'	8							X						
12:37	10/16/2023	Soil	1	PH04-1'	9							X						
13:00	10/16/2023	Soil	1	PH04-2'	10							X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, chamilton@ensolum.com, ehaft@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Ethan Haft																		
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only										
Ethan Haft		10/16/23	11:50	Ethan Haft		10-17-23	11:57	Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N										
Andrew Muzo		10-17-23	7:02	Andrew Muzo		10-17-23	18:30	T1		T2	T3							
Andrew Muzo		10-17-23	24:00	Cathy Man		10-18-23	8:15	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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Project Information

Chain of Custody

Page 2 of 2

Client: Devon Energy				Bill To		Lab Use Only		TAT				EPA Program					
Project: Pinnacle State 2				Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Ashley Giovengo				Address: 5315 Buena Vista Dr		E310118		01058-0007					X				
Address: 3122 National Parks Hwy				City, State, Zip: Carlsbad NM, 88220		Analysis and Method								RCRA			
City, State, Zip: Carlsbad NM, 88220				Phone: (575)689-7597		TPH GRO/DRO/ORO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
Phone: 575-988-0055				Email: jim.raley@dmv.com									NM	CO	UT	AZ	TX
Email: agiovengo@ensolum.com																	
Report due by:																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number										Remarks		
8:46	10/16/2023	Soil	1	PH03-0'	11						X						
8:54	10/16/2023	Soil	1	PH03-1'	12						X						
10:43	10/16/2023	Soil	1	PH03-2.5'	13						X						
10:53	10/16/2023	Soil	1	PH03-3'	14						X						
											X						
											X						
											X						
											X						
											X						
											X						
											X						
											X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dmv.com, chamilton@ensolum.com, ehaft@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only									
Ethan Haft		10/16/23	11:50	Cynthia Mace		10/17/23	11:57	Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N									
Cynthia Mace		10/17/23	17:02	Adrian Messo		10/17/23	18:30	T1 _____ T2 _____ T3 _____									
Adrian Messo		10/17/23	24:00	Cynthia Mace		10/18/23	8:15	AVG Temp °C <u>4</u>									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	


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Envirotech Analytical Laboratory

Printed: 10/18/2023 12:41:00PM

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:	10/18/23 08:15	Work Order ID:	E310118
Phone:	(505) 382-1211	Date Logged In:	10/17/23 16:33	Logged In By:	Caitlin Mars
Email:	ashley.giovengo@wescominc.com	Due Date:	10/24/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Pinnacle State 2

Work Order: E310118

Job Number: 01058-0007

Received: 10/18/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/27/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/27/23

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Pinnacle State 2
Workorder: E310118
Date Received: 10/18/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/18/2023 8:15:00AM, under the Project Name: Pinnacle State 2.

The analytical test results summarized in this report with the Project Name: Pinnacle State 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/27/23 12:08
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01A - 0'	E310118-01A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
BH01 - 0.5'	E310118-02A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
BH01A - 1'	E310118-03A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
BH02 - 0'	E310118-04A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
BH02A - 0.5'	E310118-05A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
BH03 - 0'	E310118-06A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
BH03A - 0.5'	E310118-07A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
PH04 - 0'	E310118-08A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
PH04A - 1'	E310118-09A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
PH04B - 2'	E310118-10A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
PH03 - 0'	E310118-11A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
PH03A - 1'	E310118-12A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
PH03B - 2.5'	E310118-13A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
PH03C - 3'	E310118-14A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/27/2023 12:08:51PM
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SS01A - 0'

E310118-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
<i>Surrogate: Bromofluorobenzene</i>	97.1 %	70-130		10/17/23	10/19/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	95.7 %	70-130		10/17/23	10/19/23	
<i>Surrogate: Toluene-d8</i>	93.5 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
<i>Surrogate: Bromofluorobenzene</i>	97.1 %	70-130		10/17/23	10/19/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	95.7 %	70-130		10/17/23	10/19/23	
<i>Surrogate: Toluene-d8</i>	93.5 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
<i>Surrogate: n-Nonane</i>	101 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	34.4	20.0	1	10/18/23	10/18/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/27/2023 12:08:51PM

BH01 - 0.5'

E310118-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	99.6 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	96.4 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	99.6 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	96.4 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	100 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	24.5	20.0	1	10/18/23	10/18/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/27/2023 12:08:51PM

BH01A - 1'

E310118-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	0.0410	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	0.0515	0.0500	1	10/17/23	10/19/23	
Total Xylenes	0.0925	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	96.5 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.0 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	96.5 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.0 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	102 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	58.3	20.0	1	10/18/23	10/18/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/27/2023 12:08:51PM

BH02 - 0'

E310118-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.0 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.0 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	110 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	ND	20.0	1	10/18/23	10/18/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/27/2023 12:08:51PM

BH02A - 0.5'

E310118-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.5 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.5 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	103 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	ND	20.0	1	10/18/23	10/18/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/27/2023 12:08:51PM

BH03 - 0'

E310118-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	96.7 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	94.9 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	96.7 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	94.9 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	103 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	ND	20.0	1	10/18/23	10/19/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/27/2023 12:08:51PM

BH03A - 0.5'

E310118-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	99.6 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	98.6 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	99.6 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	98.6 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	102 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	ND	20.0	1	10/18/23	10/19/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/27/2023 12:08:51PM

PH04 - 0'

E310118-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	0.0560	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	95.7 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	94.4 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	95.7 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	94.4 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	101 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	2200	20.0	1	10/18/23	10/19/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/27/2023 12:08:51PM

PH04A - 1'

E310118-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	96.1 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.4 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	96.1 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.4 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	96.0 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	379	20.0	1	10/18/23	10/19/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/27/2023 12:08:51PM

PH04B - 2'

E310118-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	94.8 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	94.8 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	106 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	265	20.0	1	10/18/23	10/19/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/27/2023 12:08:51PM

PH03 - 0'

E310118-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	0.109	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	98.9 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	92.3 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.0 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	98.9 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	92.3 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	95.0 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	104 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	2230	20.0	1	10/18/23	10/19/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/27/2023 12:08:51PM

PH03A - 1'

E310118-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	98.6 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	97.4 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	98.6 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	97.4 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	105 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	798	20.0	1	10/18/23	10/19/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/27/2023 12:08:51PM

PH03B - 2.5'

E310118-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	97.6 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	96.8 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene	97.6 %	70-130		10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		10/17/23	10/19/23	
Surrogate: Toluene-d8	96.8 %	70-130		10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane	109 %	50-200		10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	475	20.0	1	10/18/23	10/19/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/27/2023 12:08:51PM

PH03C - 3'

E310118-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Benzene	ND	0.0250	1	10/17/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/19/23	
Toluene	ND	0.0250	1	10/17/23	10/19/23	
o-Xylene	ND	0.0250	1	10/17/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene		101 %	70-130	10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	10/17/23	10/19/23	
Surrogate: Toluene-d8		95.3 %	70-130	10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/19/23	
Surrogate: Bromofluorobenzene		101 %	70-130	10/17/23	10/19/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	10/17/23	10/19/23	
Surrogate: Toluene-d8		95.3 %	70-130	10/17/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342052
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane		107 %	50-200	10/18/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342058
Chloride	262	20.0	1	10/18/23	10/19/23	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/27/2023 12:08:51PM

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 (2342046-BLK1)

Prepared: 10/17/23 Analyzed: 10/19/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.480		0.500		95.9	70-130			

LCS (2342046-BS1)

Prepared: 10/17/23 Analyzed: 10/19/23

Benzene	2.58	0.0250	2.50		103	70-130			
Ethylbenzene	2.49	0.0250	2.50		99.8	70-130			
Toluene	2.44	0.0250	2.50		97.4	70-130			
o-Xylene	2.51	0.0250	2.50		100	70-130			
p,m-Xylene	4.88	0.0500	5.00		97.6	70-130			
Total Xylenes	7.39	0.0250	7.50		98.5	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.1	70-130			

Matrix Spike (2342046-MS1)

Source: E310103-01

Prepared: 10/17/23 Analyzed: 10/19/23

Benzene	2.50	0.0250	2.50	ND	99.8	48-131			
Ethylbenzene	1.98	0.0250	2.50	ND	79.2	45-135			
Toluene	2.32	0.0250	2.50	ND	92.9	48-130			
o-Xylene	2.05	0.0250	2.50	ND	81.9	43-135			
p,m-Xylene	3.97	0.0500	5.00	ND	79.4	43-135			
Total Xylenes	6.02	0.0250	7.50	ND	80.2	43-135			
Surrogate: Bromofluorobenzene	0.425		0.500		85.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		92.0	70-130			
Surrogate: Toluene-d8	0.473		0.500		94.6	70-130			

Matrix Spike Dup (2342046-MSD1)

Source: E310103-01

Prepared: 10/17/23 Analyzed: 10/20/23

Benzene	2.64	0.0250	2.50	ND	106	48-131	5.63	23	
Ethylbenzene	2.50	0.0250	2.50	ND	99.8	45-135	23.1	27	
Toluene	2.44	0.0250	2.50	ND	97.7	48-130	5.00	24	
o-Xylene	2.53	0.0250	2.50	ND	101	43-135	20.9	27	
p,m-Xylene	4.96	0.0500	5.00	ND	99.2	43-135	22.2	27	
Total Xylenes	7.49	0.0250	7.50	ND	99.8	43-135	21.7	27	
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/27/2023 12:08:51PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2342046-BLK1)

Prepared: 10/17/23 Analyzed: 10/19/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.480		0.500		95.9	70-130			

LCS (2342046-BS2)

Prepared: 10/17/23 Analyzed: 10/19/23

Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.5	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.5	70-130			

Matrix Spike (2342046-MS2)

Source: E310103-01

Prepared: 10/17/23 Analyzed: 10/19/23

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130			
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.8	70-130			

Matrix Spike Dup (2342046-MSD2)

Source: E310103-01

Prepared: 10/17/23 Analyzed: 10/19/23

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0	ND	92.2	70-130	2.10	20	
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/27/2023 12:08:51PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2342052-BLK1) Prepared: 10/18/23 Analyzed: 10/19/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.9		50.0		116	50-200			

LCS (2342052-BS1) Prepared: 10/18/23 Analyzed: 10/19/23

Diesel Range Organics (C10-C28)	308	25.0	250		123	38-132			
Surrogate: n-Nonane	56.2		50.0		112	50-200			

Matrix Spike (2342052-MS1) Source: E310118-06 Prepared: 10/18/23 Analyzed: 10/19/23

Diesel Range Organics (C10-C28)	300	25.0	250	ND	120	38-132			
Surrogate: n-Nonane	52.2		50.0		104	50-200			

Matrix Spike Dup (2342052-MSD1) Source: E310118-06 Prepared: 10/18/23 Analyzed: 10/19/23

Diesel Range Organics (C10-C28)	317	25.0	250	ND	127	38-132	5.37	20	
Surrogate: n-Nonane	55.8		50.0		112	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/27/2023 12:08:51PM

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 (2342058-BLK1)					Prepared: 10/18/23 Analyzed: 10/18/23				
Chloride	ND	20.0							
LCS (2342058-BS1)					Prepared: 10/18/23 Analyzed: 10/18/23				
Chloride	248	20.0	250		99.1	90-110			
Matrix Spike (2342058-MS1)					Source: E310118-04		Prepared: 10/18/23 Analyzed: 10/18/23		
Chloride	263	20.0	250	ND	105	80-120			
Matrix Spike Dup (2342058-MSD1)					Source: E310118-04		Prepared: 10/18/23 Analyzed: 10/18/23		
Chloride	265	20.0	250	ND	106	80-120	0.939	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:	Pinnacle State 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/27/23 12:08

- 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.



Project Information

Chain of Custody

Page 1 of 2

Client: Devon Energy				Bill To		Lab Use Only		TAT				EPA Program						
Project: Pinnacle State 2				Attention: Jim Raley		Lab WO# E310118		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Ashley Giovengo				Address: 5315 Buena Vista Dr									X					
Address: 3122 National Parks Hwy				City, State, Zip: Carlsbad NM, 88220										RCRA				
City, State, Zip: Carlsbad NM, 88220				Phone: (575)689-7597														
Phone: 575-988-0055				Email: jim.raley@dm.com														
Email: agiovengo@ensolum.com																		
Report due by:																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BDOC NM	GDOC TX	State				
														NM	CO	UT	AZ	TX
														X				
														Remarks				
10:00	10/16/2023	Soil	1	SS01A-0'	1							X						
10:33	10/16/2023	Soil	1	BH01-0.5'	2							X						
11:19	10/16/2023	Soil	1	BH01-1'	3							X						
12:23	10/16/2023	Soil	1	BH02-0'	4							X						
12:45	10/16/2023	Soil	1	BH02-0.5'	5							X						
12:26	10/16/2023	Soil	1	BH03-0'	6							X						
12:59	10/16/2023	Soil	1	BH03-0.5'	7							X						
12:30	10/16/2023	Soil	1	PH04-0'	8							X						
12:37	10/16/2023	Soil	1	PH04-1'	9							X						
13:00	10/16/2023	Soil	1	PH04-2'	10							X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dm.com, chamilton@ensolum.com, ehaft@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only										
<i>Stacy Haft</i>		10/16/23	11:50	<i>Stacy Haft</i>		10-17-23	11:57	Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3										
<i>Andrew Muzo</i>		10-17-23	17:02	<i>Andrew Muzo</i>		10-17-23	18:30											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C										
<i>Andrew Muzo</i>		10-17-23	24:00	<i>Carth Man</i>		10-18-23	8:15	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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Client: Devon Energy				Bill To		Lab Use Only		TAT				EPA Program					
Project: Pinnacle State 2				Attention: Jim Raley		Lab WO# E310118		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Ashley Giovengo				Address: 5315 Buena Vista Dr									X				
Address: 3122 National Parks Hwy				City, State, Zip: Carlsbad NM, 88220										RCRA			
City, State, Zip: Carlsbad NM, 88220				Phone: (575)689-7597													
Phone: 575-988-0055				Email: jim.raley@dmv.com													
Email: agiovengo@ensolum.com																	
Report due by:																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
													NM	CO	UT	AZ	TX
													x				
													Remarks				
8:46	10/16/2023	Soil	1	PH03-0'	11						X						
8:54	10/16/2023	Soil	1	PH03-1'	12						X						
10:43	10/16/2023	Soil	1	PH03-2.5'	13						X						
10:53	10/16/2023	Soil	1	PH03-3'	14						X						
											X						
											X						
											X						
											X						
											X						
											X						
											X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dmv.com, chamilton@ensolum.com, ehaff@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only									
Ethan Haft		10/16/23	11:50	Cynthia Mace		10.17.23	11:57	Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N									
Cynthia Mace		10.17.23	1702	Adrian Messo		10.17.23	1830	T1 _____ T2 _____ T3 _____									
Adrian Messo		10.17.23	2400	Cynthia Mace		10.18.23	8:15	AVG Temp °C <u>4</u>									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



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Envirotech Analytical Laboratory

Printed: 10/18/2023 12:41:00PM

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:	10/18/23 08:15	Work Order ID:	E310118
Phone:	(505) 382-1211	Date Logged In:	10/17/23 16:33	Logged In By:	Caitlin Mars
Email:	ashley.giovengo@wescominc.com	Due Date:	10/24/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Project Information

Chain of Custody

Page 1 of 2

Client: Devon Energy					Bill To		Lab Use Only				TAT				EPA Program			
Project: Pinnacle State 2					Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Ashley Giovengo					Address: 5315 Buena Vista Dr		E310118		01058-0007					X				
Address: 3122 National Parks Hwy					City, State, Zip: Carlsbad NM, 88220		Analysis and Method										RCRA	
City, State, Zip: Carlsbad NM, 88220					Phone: (575)689-7597		TPH GRO/DRO/ORO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
Phone: 575-988-0055					Email: jim.raley@dv.com									NM	CO	UT	AZ	TX
Email: agiovengo@ensolum.com														Remarks				
Report due by:																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number													
10:00	10/16/2023	Soil	1	SS01A-0'	1							X				Changed Sample Names per Client request. 10/27/23 CM		
10:33	10/16/2023	Soil	1	BH01-0.5'	2							X						
11:19	10/16/2023	Soil	1	BH01-1' BH01A-1'	3							X						
12:23	10/16/2023	Soil	1	BH02-0'	4							X						
12:45	10/16/2023	Soil	1	BH02-0.5' BH02A-0.5'	5							X						
12:26	10/16/2023	Soil	1	BH03-0'	6							X						
12:59	10/16/2023	Soil	1	BH03-0.5' BH03A-0.5'	7							X						
12:30	10/16/2023	Soil	1	PH04-0'	8							X						
12:37	10/16/2023	Soil	1	PH04-1' PH04A-1'	9							X						
13:00	10/16/2023	Soil	1	PH04-2' PH04B-2'	10							X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dv.com, chamilton@ensolum.com, ehaff@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Ethan Haff																		
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only										
Ethan Haff		10/16/23	11:50	Burt Parker		10-17-23	11:57	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N										
Burt Parker		10-17-23	17:02	Andrew Musko		10-17-23	18:30	T1 _____ T2 _____ T3 _____										
Andrew Musko		10-17-23	24:00	Cathy Man		10-18-23	8:15	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:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Pinnacle State 2

Work Order: E311009

Job Number: 01058-0007

Received: 11/2/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/3/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 11/3/23

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Pinnacle State 2
Workorder: E311009
Date Received: 11/2/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/2/2023 8:15:00AM, under the Project Name: Pinnacle State 2.

The analytical test results summarized in this report with the Project Name: Pinnacle State 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported: 11/03/23 17:10
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS07 - 0'	E311009-01A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
SS08 - 0'	E311009-02A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 11/3/2023 5:10:19PM
---	--	---

SS07 - 0'

E311009-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2344066	
Benzene	ND	0.0250	1	11/02/23	11/02/23	
Ethylbenzene	ND	0.0250	1	11/02/23	11/02/23	
Toluene	ND	0.0250	1	11/02/23	11/02/23	
o-Xylene	ND	0.0250	1	11/02/23	11/02/23	
p,m-Xylene	ND	0.0500	1	11/02/23	11/02/23	
Total Xylenes	ND	0.0250	1	11/02/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	92.3 %	70-130		11/02/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2344066	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.1 %	70-130		11/02/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2344060	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/02/23	11/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/02/23	
<i>Surrogate: n-Nonane</i>	85.8 %	50-200		11/02/23	11/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2344059	
Chloride	ND	20.0	1	11/02/23	11/02/23	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/3/2023 5:10:19PM

SS08 - 0'

E311009-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2344066	
Benzene	ND	0.0250	1	11/02/23	11/02/23	
Ethylbenzene	ND	0.0250	1	11/02/23	11/02/23	
Toluene	ND	0.0250	1	11/02/23	11/02/23	
o-Xylene	ND	0.0250	1	11/02/23	11/02/23	
p,m-Xylene	ND	0.0500	1	11/02/23	11/02/23	
Total Xylenes	ND	0.0250	1	11/02/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.2 %	70-130		11/02/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2344066	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.7 %	70-130		11/02/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2344060	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/02/23	11/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/02/23	
<i>Surrogate: n-Nonane</i>	103 %	50-200		11/02/23	11/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2344059	
Chloride	38.4	20.0	1	11/02/23	11/02/23	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/3/2023 5:10:19PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2344066-BLK1)

Prepared: 11/02/23 Analyzed: 11/02/23

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	7.86		8.00		98.2	70-130			

LCS (2344066-BS1)

Prepared: 11/02/23 Analyzed: 11/02/23

Benzene	5.12	0.0250	5.00		102	70-130			
Ethylbenzene	4.90	0.0250	5.00		98.0	70-130			
Toluene	5.10	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	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.3	70-130			

Matrix Spike (2344066-MS1)

Source: E311011-07

Prepared: 11/02/23 Analyzed: 11/02/23

Benzene	5.10	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	61-133			
Toluene	5.08	0.0250	5.00	ND	102	61-130			
o-Xylene	5.00	0.0250	5.00	ND	100	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130			

Matrix Spike Dup (2344066-MSD1)

Source: E311011-07

Prepared: 11/02/23 Analyzed: 11/02/23

Benzene	4.89	0.0250	5.00	ND	97.9	54-133	4.19	20	
Ethylbenzene	4.67	0.0250	5.00	ND	93.4	61-133	4.37	20	
Toluene	4.87	0.0250	5.00	ND	97.3	61-130	4.32	20	
o-Xylene	4.80	0.0250	5.00	ND	96.0	63-131	4.13	20	
p,m-Xylene	9.64	0.0500	10.0	ND	96.4	63-131	4.34	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.3	63-131	4.27	20	
Surrogate: 4-Bromochlorobenzene-PID	7.88		8.00		98.5	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/3/2023 5:10:19PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2344066-BLK1) Prepared: 11/02/23 Analyzed: 11/02/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.8	70-130			

LCS (2344066-BS2) Prepared: 11/02/23 Analyzed: 11/02/23

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0		93.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			

Matrix Spike (2344066-MS2) Source: E311011-07 Prepared: 11/02/23 Analyzed: 11/02/23

Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.2	70-130			

Matrix Spike Dup (2344066-MSD2) Source: E311011-07 Prepared: 11/02/23 Analyzed: 11/03/23

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	95.0	70-130	0.510	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.2	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/3/2023 5:10:19PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2344060-BLK1)					Prepared: 11/02/23 Analyzed: 11/02/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.8		50.0		106	50-200			

LCS (2344060-BS1)					Prepared: 11/02/23 Analyzed: 11/02/23				
Diesel Range Organics (C10-C28)	235	25.0	250		94.2	38-132			
Surrogate: n-Nonane	51.5		50.0		103	50-200			

Matrix Spike (2344060-MS1)					Source: E311009-02		Prepared: 11/02/23 Analyzed: 11/02/23		
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	38-132			
Surrogate: n-Nonane	54.0		50.0		108	50-200			

Matrix Spike Dup (2344060-MSD1)					Source: E311009-02		Prepared: 11/02/23 Analyzed: 11/02/23		
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.3	38-132	1.78	20	
Surrogate: n-Nonane	53.7		50.0		107	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/3/2023 5:10:19PM

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 (2344059-BLK1)					Prepared: 11/02/23 Analyzed: 11/02/23				
Chloride	ND	20.0							
LCS (2344059-BS1)					Prepared: 11/02/23 Analyzed: 11/02/23				
Chloride	246	20.0	250		98.6	90-110			
Matrix Spike (2344059-MS1)					Source: E311014-04		Prepared: 11/02/23 Analyzed: 11/02/23		
Chloride	272	20.0	250	ND	109	80-120			
Matrix Spike Dup (2344059-MSD1)					Source: E311014-04		Prepared: 11/02/23 Analyzed: 11/02/23		
Chloride	263	20.0	250	ND	105	80-120	3.32	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:	Pinnacle State 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/03/23 17:10

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.



Project Information

Chain of Custody

Page 1 of 1

Client: Devon Energy		Bill To		Lab Use Only		TAT				EPA Program			
Project: Pinnacle State 2		Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Ashley Giovengo		Address: 5315 Buena Vista Dr		E 311009		01058-0007		X					
Address: 3122 National Parks Hwy		City, State, Zip: Carlsbad NM, 88220		Analysis and Method									RCRA
City, State, Zip: Carlsbad NM, 88220		Phone: (575)689-7597											
Phone: 575-988-0055		Email: jim.raley@dvn.com											
Email: agiovengo@ensolum.com													
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDGC TX	Remarks
11:00	10/31/2023	Soil	1	SS07 - 0'	1						X		
11:04	10/31/2023	Soil	1	SS08 - 0'	2						X		

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

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

Sampled by: Cole Burton

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<i>[Signature]</i>	11/1/23	0700	<i>Michelle George</i>	11-01-23	1040	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle George</i>	11-1-23	1530	<i>Andrea Messa</i>	11-1-23	1730	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Andrea Messa</i>	11-1-23	2300	<i>Cathy Mae</i>	11-2-23	8:15	

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

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

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



envirotech

Envirotech Analytical Laboratory

Printed: 11/2/2023 9:09:40AM

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:	11/02/23 08:15	Work Order ID:	E311009
Phone:	(505) 382-1211	Date Logged In:	11/01/23 14:26	Logged In By:	Caitlin Mars
Email:	ashley.giovengo@wescominc.com	Due Date:	11/02/23 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Pinnacle State #002

Work Order: E501220

Job Number: 01058-0007

Received: 1/30/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/4/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
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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: 2/4/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Pinnacle State #002
Workorder: E501220
Date Received: 1/30/2025 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/30/2025 7:15:00AM, under the Project Name: Pinnacle State #002.

The analytical test results summarized in this report with the Project Name: Pinnacle State #002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported: 02/04/25 07:16
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-0'	E501220-01A	Soil	01/28/25	01/30/25	Glass Jar, 2 oz.
FS02-0'	E501220-02A	Soil	01/28/25	01/30/25	Glass Jar, 2 oz.
FS03-0'	E501220-03A	Soil	01/28/25	01/30/25	Glass Jar, 2 oz.
FS12-1'	E501220-04A	Soil	01/28/25	01/30/25	Glass Jar, 2 oz.
FS13-1.5'	E501220-05A	Solid	01/28/25	01/30/25	Glass Jar, 2 oz.
FS14-1.5'	E501220-06A	Solid	01/28/25	01/30/25	Glass Jar, 2 oz.
FS15-1.5'	E501220-07A	Solid	01/28/25	01/30/25	Glass Jar, 2 oz.
FS16-3'	E501220-08A	Solid	01/28/25	01/30/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/4/2025 7:16:21AM

FS01-0'

E501220-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2505100	
Benzene	ND	0.0250	1	01/30/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/30/25	01/31/25	
Toluene	ND	0.0250	1	01/30/25	01/31/25	
o-Xylene	ND	0.0250	1	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/30/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/30/25	01/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		84.4 %	70-130	01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2505100	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	01/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.4 %	70-130	01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2505109	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/25	01/30/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	01/30/25	01/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2505101	
Chloride	26.8	20.0	1	01/30/25	01/30/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/4/2025 7:16:21AM

FS02-0'

E501220-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2505100	
Benzene	ND	0.0250	1	01/30/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/30/25	01/31/25	
Toluene	ND	0.0250	1	01/30/25	01/31/25	
o-Xylene	ND	0.0250	1	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/30/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/30/25	01/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.6 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2505100	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	01/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2505109	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/25	01/30/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		01/30/25	01/30/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2505101	
Chloride	46.5	20.0	1	01/30/25	01/30/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/4/2025 7:16:21AM

FS03-0'

E501220-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505100
Benzene	ND	0.0250	1	01/30/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/30/25	01/31/25	
Toluene	ND	0.0250	1	01/30/25	01/31/25	
o-Xylene	ND	0.0250	1	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/30/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/30/25	01/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.3 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	01/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505109
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/25	01/30/25	
<i>Surrogate: n-Nonane</i>						
	121 %	61-141		01/30/25	01/30/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505101
Chloride	ND	20.0	1	01/30/25	01/30/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/4/2025 7:16:21AM

FS12-1'

E501220-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505100
Benzene	ND	0.0250	1	01/30/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/30/25	01/31/25	
Toluene	ND	0.0250	1	01/30/25	01/31/25	
o-Xylene	ND	0.0250	1	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/30/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/30/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID	82.4 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.4 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505109
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/25	01/30/25	
Surrogate: n-Nonane	113 %	61-141		01/30/25	01/30/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505101
Chloride	454	20.0	1	01/30/25	01/30/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/4/2025 7:16:21AM

FS13-1.5'

E501220-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505100
Benzene	ND	0.0250	1	01/30/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/30/25	01/31/25	
Toluene	ND	0.0250	1	01/30/25	01/31/25	
o-Xylene	ND	0.0250	1	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/30/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/30/25	01/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		81.0 %	70-130	01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	01/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.2 %	70-130	01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505109
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
		113 %	61-141	01/30/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505101
Chloride	669	20.0	1	01/30/25	01/30/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/4/2025 7:16:21AM

FS14-1.5'

E501220-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505100
Benzene	ND	0.0250	1	01/30/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/30/25	01/31/25	
Toluene	ND	0.0250	1	01/30/25	01/31/25	
o-Xylene	ND	0.0250	1	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/30/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/30/25	01/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.5 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	01/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505109
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	111 %	61-141		01/30/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505101
Chloride	273	20.0	1	01/30/25	01/30/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State #002 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/4/2025 7:16:21AM
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FS15-1.5'

E501220-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2505100	
Benzene	ND	0.0250	1	01/30/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/30/25	01/31/25	
Toluene	ND	0.0250	1	01/30/25	01/31/25	
o-Xylene	ND	0.0250	1	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/30/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/30/25	01/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	80.4 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2505100	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	01/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2505109	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		01/30/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2505101	
Chloride	314	20.0	1	01/30/25	01/30/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State #002 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/4/2025 7:16:21AM
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FS16-3'

E501220-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2505100	
Benzene	ND	0.0250	1	01/30/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/30/25	01/31/25	
Toluene	ND	0.0250	1	01/30/25	01/31/25	
o-Xylene	ND	0.0250	1	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/30/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/30/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID	80.4 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2505100	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.4 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2505109	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/25	01/31/25	
Surrogate: n-Nonane	103 %	61-141		01/30/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2505101	
Chloride	533	20.0	1	01/30/25	01/30/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/4/2025 7:16:21AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505100-BLK1) Prepared: 01/30/25 Analyzed: 01/30/25

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	7.18		8.00		89.7	70-130			

LCS (2505100-BS1) Prepared: 01/30/25 Analyzed: 01/31/25

Benzene	5.60	0.0250	5.00		112	70-130			
Ethylbenzene	5.33	0.0250	5.00		107	70-130			
Toluene	5.49	0.0250	5.00		110	70-130			
o-Xylene	5.31	0.0250	5.00		106	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.1	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.11		8.00		88.9	70-130			

LCS Dup (2505100-BSD1) Prepared: 01/30/25 Analyzed: 01/31/25

Benzene	5.12	0.0250	5.00		102	70-130	8.98	20	
Ethylbenzene	4.88	0.0250	5.00		97.5	70-130	8.91	20	
Toluene	5.02	0.0250	5.00		100	70-130	8.99	20	
o-Xylene	4.85	0.0250	5.00		97.0	70-130	9.01	20	
p,m-Xylene	9.91	0.0500	10.0		99.1	70-130	8.74	20	
Total Xylenes	14.8	0.0250	15.0		98.4	70-130	8.83	20	
Surrogate: 4-Bromochlorobenzene-PID	6.99		8.00		87.4	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/4/2025 7:16:21AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505100-BLK1) Prepared: 01/30/25 Analyzed: 01/30/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.4	70-130			

LCS (2505100-BS2) Prepared: 01/30/25 Analyzed: 01/31/25

Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			

LCS Dup (2505100-BSD2) Prepared: 01/30/25 Analyzed: 01/31/25

Gasoline Range Organics (C6-C10)	38.7	20.0	50.0		77.4	70-130	16.7	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/4/2025 7:16:21AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505109-BLK1)					Prepared: 01/30/25 Analyzed: 01/30/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.1		50.0		104	61-141			

LCS (2505109-BS1)					Prepared: 01/30/25 Analyzed: 01/30/25				
Diesel Range Organics (C10-C28)	267	25.0	250		107	66-144			
Surrogate: n-Nonane	51.5		50.0		103	61-141			

Matrix Spike (2505109-MS1)					Source: E501220-06		Prepared: 01/30/25 Analyzed: 01/30/25		
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	56-156			
Surrogate: n-Nonane	50.7		50.0		101	61-141			

Matrix Spike Dup (2505109-MSD1)					Source: E501220-06		Prepared: 01/30/25 Analyzed: 01/30/25		
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	56-156	1.18	20	
Surrogate: n-Nonane	46.2		50.0		92.4	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/4/2025 7:16:21AM

Anions by EPA 300.0/9056A

Analyst: AK

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

Blank (2505101-BLK1)					Prepared: 01/30/25 Analyzed: 01/30/25				
Chloride	ND	20.0							
LCS (2505101-BS1)					Prepared: 01/30/25 Analyzed: 01/30/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2505101-MS1)					Source: E501220-05		Prepared: 01/30/25 Analyzed: 01/30/25		
Chloride	1110	20.0	250	669	175	80-120			M4
Matrix Spike Dup (2505101-MSD1)					Source: E501220-05		Prepared: 01/30/25 Analyzed: 01/30/25		
Chloride	1010	20.0	250	669	138	80-120	8.85	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

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/04/25 07:16

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

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

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

Chain of Custody

Client Information		Client: Devon		Project: Pinnacle State #002		Project Manager: Ashley Giovengo		Address: 3122 National Parks Hwy		City, State, Zip: Carlsbad NM, 88220		Phone: 575-988-0055		Email: agiovengo@ensolum.com					
Invoice Information		Lab W/O#		Job Number		Company: Devon Energy		Address: 5315 Buena Vista Dr		City, State, Zip: Carlsbad NM, 88220		Phone: (575)689-7597		Email: jim.raley@dvn.com		Miscellaneous: Jim Raley			
Lab Use Only		TAT		ID		2D		3D		Std		Analysis and Method		EPA Program		Remarks			
State		NM		CO		UT		TX		X		SDWA		CWA		RCRA			
Compliance		Y		OR		N		PWSID #		Compliance		Y		OR		N			
Sample Information		Time		Date		Sampled		Matrix		Containers		Sample ID		Field		Filter		Lab	
1038		1/28/2025		s		1		FS01-01		1		X							
1256		1/28/2025		s		1		FS02-01		2		X							
1041		1/28/2025		s		1		FS03-01		3		X							
1326		1/28/2025		s		1		FS12-11		4		X							
1505		1/28/2025		SD		1		FS13-15		5		X						Rush Chlorides only	
1508		1/28/2025		SD		1		FS14-15		6		X						Rush Chlorides only	
1516		1/28/2025		SD		1		FS15-15		7		X						Rush Chlorides only	
1522		1/28/2025		SD		1		FS16-31		8		X						Rush Chlorides only	
Additional Instructions:		Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com		i, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.		Sampled by: Higino Gonzalez, Jenna Hinkle		Relinquished by: (Signature)		Date		Time		Relinquished by: (Signature)		Date		Time	
7/24/25		7:20		Michelle Gonzales		1-29-25		0720		1-29-25		15:15		Michelle Gonzales		1-29-25		2100	
1-29-25		15:45		Michelle Gonzales		1-29-25		15:15		1-29-25		2100		Michelle Gonzales		1-29-25		2100	
1-29-25		2100		Michelle Gonzales		1-30-25		7:15		1-30-25		7:15		Michelle Gonzales		1-30-25		7:15	
Sample Matrix: S - Soil, SD - Solid, SG - Sludge, A - Aqueous, O - Other		Container Type: G - glass, P - poly/plastic, ag - amber glass, v - VOA		AVG Temp °C		T1		T2		T3		Lab Use Only		Received on ice: (Y) / N		Subsequent days		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	
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: 1/30/2025 8:03:28AM

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:	01/30/25 07:15	Work Order ID:	E501220
Phone:	(505) 382-1211	Date Logged In:	01/29/25 14:06	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	02/05/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Client Remarks: Rush Chlorides only for samples 5-8.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Pinnacle State #002

Work Order: E501235

Job Number: 01058-0007

Received: 1/31/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/5/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/5/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Pinnacle State #002
Workorder: E501235
Date Received: 1/31/2025 5:30:49AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/31/2025 5:30:49AM, under the Project Name: Pinnacle State #002.

The analytical test results summarized in this report with the Project Name: Pinnacle State #002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported: 02/05/25 08:09
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS04 @ 1'	E501235-01A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
FS05 @ 1'	E501235-02A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
FS06 @ 1'	E501235-03A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
FS07 @ 1'	E501235-04A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
FS08 @ 1'	E501235-05A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
FS09 @ 1'	E501235-06A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
FS10 @ 1'	E501235-07A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
FS11 @ 1'	E501235-08A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
FS17	E501235-09A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.
FS18	E501235-10A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.
FS19	E501235-11A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.
FS20	E501235-12A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.
FS21	E501235-13A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.
FS22	E501235-14A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.
FS23	E501235-15A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.
SW01 @ 0-3'	E501235-16A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.
SW02 @ 0-3'	E501235-17A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.
SW03 @ 0-1'	E501235-18A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 8:09:41AM

FS04 @ 1'

E501235-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		79.0 %	70-130	01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.8 %	70-130	01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2505140	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	01/31/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2505143	
Chloride	ND	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 8:09:41AM

FS05 @ 1'

E501235-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	80.2 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.0 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	ND	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 8:09:41AM

FS06 @ 1'

E501235-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	78.2 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	44.9	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 8:09:41AM

FS07 @ 1'

E501235-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	77.1 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	85.8	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported: 2/5/2025 8:09:41AM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

FS08 @ 1'
E501235-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: 4-Bromochlorobenzene-PID	77.3 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.5 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2505140	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
Surrogate: n-Nonane	98.0 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2505143	
Chloride	156	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported: 2/5/2025 8:09:41AM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

FS09 @ 1'
E501235-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: 4-Bromochlorobenzene-PID	77.5 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.7 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2505140	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
Surrogate: n-Nonane	99.3 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2505143	
Chloride	95.1	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported: 2/5/2025 8:09:41AM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

FS10 @ 1'
E501235-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: 4-Bromochlorobenzene-PID	76.7 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.2 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2505140	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
Surrogate: n-Nonane	102 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2505143	
Chloride	58.4	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 8:09:41AM

FS11 @ 1'

E501235-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	77.7 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.3 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	49.6	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 8:09:41AM

FS17

E501235-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	77.6 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.9 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2505140	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>	100 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2505143	
Chloride	21.8	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 8:09:41AM

FS18

E501235-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	78.6 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.7 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	308	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 8:09:41AM

FS19

E501235-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	80.0 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	99.1 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2505140	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>	105 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2505143	
Chloride	282	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 8:09:41AM

FS20

E501235-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	79.3 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.6 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2505140	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>	104 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2505143	
Chloride	281	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 8:09:41AM

FS21

E501235-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	80.4 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.9 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	147	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/5/2025 8:09:41AM

FS22

E501235-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: 4-Bromochlorobenzene-PID	80.8 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.9 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2505140	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
Surrogate: n-Nonane	103 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2505143	
Chloride	1040	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 8:09:41AM

FS23

E501235-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.9 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.1 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	1290	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 8:09:41AM

SW01 @ 0-3'

E501235-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.0 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	582	20.0	1	01/31/25	02/01/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 8:09:41AM

SW02 @ 0-3'

E501235-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.7 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		01/31/25	02/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	480	20.0	1	01/31/25	02/01/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 8:09:41AM

SW03 @ 0-1'

E501235-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: 4-Bromochlorobenzene-PID	83.7 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.4 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	102 %	61-141		01/31/25	02/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	721	20.0	1	01/31/25	02/01/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/5/2025 8:09:41AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505128-BLK1)

Prepared: 01/31/25 Analyzed: 02/01/25

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	6.48		8.00		81.0	70-130			

LCS (2505128-BS1)

Prepared: 01/31/25 Analyzed: 02/01/25

Benzene	4.79	0.0250	5.00		95.7	70-130			
Ethylbenzene	4.53	0.0250	5.00		90.7	70-130			
Toluene	4.69	0.0250	5.00		93.7	70-130			
o-Xylene	4.48	0.0250	5.00		89.7	70-130			
p,m-Xylene	9.19	0.0500	10.0		91.9	70-130			
Total Xylenes	13.7	0.0250	15.0		91.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.45		8.00		80.6	70-130			

Matrix Spike (2505128-MS1)

Source: E501235-02

Prepared: 01/31/25 Analyzed: 02/01/25

Benzene	4.77	0.0250	5.00	ND	95.4	54-133			
Ethylbenzene	4.53	0.0250	5.00	ND	90.7	61-133			
Toluene	4.68	0.0250	5.00	ND	93.6	61-130			
o-Xylene	4.48	0.0250	5.00	ND	89.6	63-131			
p,m-Xylene	9.19	0.0500	10.0	ND	91.9	63-131			
Total Xylenes	13.7	0.0250	15.0	ND	91.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	6.40		8.00		80.0	70-130			

Matrix Spike Dup (2505128-MSD1)

Source: E501235-02

Prepared: 01/31/25 Analyzed: 02/01/25

Benzene	4.75	0.0250	5.00	ND	95.0	54-133	0.444	20	
Ethylbenzene	4.52	0.0250	5.00	ND	90.3	61-133	0.390	20	
Toluene	4.65	0.0250	5.00	ND	93.0	61-130	0.544	20	
o-Xylene	4.47	0.0250	5.00	ND	89.4	63-131	0.239	20	
p,m-Xylene	9.16	0.0500	10.0	ND	91.6	63-131	0.395	20	
Total Xylenes	13.6	0.0250	15.0	ND	90.8	63-131	0.344	20	
Surrogate: 4-Bromochlorobenzene-PID	6.34		8.00		79.3	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/5/2025 8:09:41AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505128-BLK1) Prepared: 01/31/25 Analyzed: 02/01/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.7	70-130			

LCS (2505128-BS2) Prepared: 01/31/25 Analyzed: 02/01/25

Gasoline Range Organics (C6-C10)	40.0	20.0	50.0		80.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.5	70-130			

Matrix Spike (2505128-MS2) Source: E501235-02 Prepared: 01/31/25 Analyzed: 02/01/25

Gasoline Range Organics (C6-C10)	38.3	20.0	50.0	ND	76.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.97		8.00		99.6	70-130			

Matrix Spike Dup (2505128-MSD2) Source: E501235-02 Prepared: 01/31/25 Analyzed: 02/01/25

Gasoline Range Organics (C6-C10)	41.1	20.0	50.0	ND	82.2	70-130	7.14	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.94		8.00		99.2	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/5/2025 8:09:41AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505140-BLK1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.9		50.0		95.7	61-141			

LCS (2505140-BS1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Diesel Range Organics (C10-C28)	222	25.0	250		88.9	66-144			
Surrogate: n-Nonane	50.3		50.0		101	61-141			

Matrix Spike (2505140-MS1)					Source: E501235-13		Prepared: 01/31/25 Analyzed: 01/31/25		
Diesel Range Organics (C10-C28)	225	25.0	250	ND	90.2	56-156			
Surrogate: n-Nonane	51.4		50.0		103	61-141			

Matrix Spike Dup (2505140-MSD1)					Source: E501235-13		Prepared: 01/31/25 Analyzed: 01/31/25		
Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.6	56-156	0.588	20	
Surrogate: n-Nonane	50.8		50.0		102	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/5/2025 8:09:41AM

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 (2505143-BLK1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Chloride	ND	20.0							
LCS (2505143-BS1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2505143-MS1)					Source: E501235-05		Prepared: 01/31/25 Analyzed: 01/31/25		
Chloride	435	20.0	250	156	111	80-120			
Matrix Spike Dup (2505143-MSD1)					Source: E501235-05		Prepared: 01/31/25 Analyzed: 01/31/25		
Chloride	417	20.0	250	156	104	80-120	4.18	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:	Pinnacle State #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/05/25 08:09

- 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.



Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon Energy		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: Pinnacle State #002				Address: 5315 Buena Vista Dr		E501235		01058-0007				X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: (575)689-7597													
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com													
Phone: 575-988-0055				Miscellaneous: Jim Raley													
Email: agiovengo@ensolum.com																	
Sample Information										Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
0910	1/29/2025	s	1	FS04 @ 1'		1						X					
0912	1/29/2025	s	1	FS05 @ 1'		2						X					
0914	1/29/2025	s	1	FS06 @ 1'		3						X					
1054	1/29/2025	s	1	FS07 @ 1'		4						X					
0925	1/29/2025	s	1	FS08 @ 1'		5						X					
0927	1/29/2025	s	1	FS09 @ 1'		6						X					
0930	1/29/2025	s	1	FS10 @ 1'		7						X					
0932	1/29/2025	s	1	FS11 @ 1'		8						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Higinio Gonzalez																	
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: <input checked="" type="checkbox"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>											
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time												
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time												
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time												
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

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon Energy		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: Pinnacle State #002				Address: 5315 Buena Vista Dr		E501235		Job Number				01058-0007					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220								X					
Address: 3122 National Parks Hwy				Phone: (575)689-7597													
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com													
Phone: 575-988-0055				Miscellaneous: Jim Raley													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
1250	1/29/2025	SD	1	FS17		9						X					
1253	1/29/2025	SD	1	FS18		10						X					
1411	1/29/2025	SD	1	FS19		11						X					
1416	1/29/2025	SD	1	FS20		12						X					
1400	1/29/2025	SD	1	FS21		13						X					
1404	1/29/2025	SD	1	FS22		14						X					
1406	1/29/2025	SD	1	FS23		15						X					
1259	1/29/2025	SD	1	PHCO SW01 @ 0-3'		16						X					
1420	1/29/2025	SD	1	SW02 @ 0-3'		17						X					
1425	1/29/2025	SD	1	SW03 @ 0-1'		18						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Higinio Gonzalez																	
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.									
		01-30-25	0800	Michelle Gonzalez		1-30-25	0800										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only									
Michelle Gonzalez		1-30-25	1630			1-30-25	1630	Received on ice: <input checked="" type="checkbox"/> Y / N									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3									
		1-30-25	2330	Michelle R. Hall		1-31-25	0530										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	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 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: 1/31/2025 9:39:49AM

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:	01/31/25 05:30	Work Order ID:	E501235
Phone:	(505) 382-1211	Date Logged In:	01/30/25 16:12	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	02/06/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Pinnacle State #002

Work Order: E501235

Job Number: 01058-0007

Received: 1/31/2025

Revision: 3

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/5/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/5/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Pinnacle State #002
Workorder: E501235
Date Received: 1/31/2025 5:30:49AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/31/2025 5:30:49AM, under the Project Name: Pinnacle State #002.

The analytical test results summarized in this report with the Project Name: Pinnacle State #002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State #002 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 02/05/25 10:35
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS04 @ 1'	E501235-01A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
FS05 @ 1'	E501235-02A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
FS06 @ 1'	E501235-03A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
FS07 @ 1'	E501235-04A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
FS08 @ 1'	E501235-05A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
FS09 @ 1'	E501235-06A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
FS10 @ 1'	E501235-07A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
FS11 @ 1'	E501235-08A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
FS17 @ 3'	E501235-09A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.
FS18 @ 3'	E501235-10A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.
FS19 @ 3'	E501235-11A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.
FS20 @ 3'	E501235-12A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.
FS21 @ 1.5'	E501235-13A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.
FS22 @ 1.5'	E501235-14A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.
FS23 @ 1.5'	E501235-15A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.
SW01 @ 0-3'	E501235-16A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.
SW02 @ 0-3'	E501235-17A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.
SW03 @ 0-1'	E501235-18A	Solid	01/29/25	01/31/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 10:35:17AM

FS04 @ 1'

E501235-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	79.0 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.8 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2505140	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505143	
Chloride	ND	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 10:35:17AM

FS05 @ 1'

E501235-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	80.2 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.0 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	ND	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 10:35:17AM

FS06 @ 1'

E501235-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	78.2 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	44.9	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 10:35:17AM

FS07 @ 1'

E501235-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	77.1 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	85.8	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 10:35:17AM

FS08 @ 1'

E501235-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	77.3 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.5 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2505140	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	98.0 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505143	
Chloride	156	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 10:35:17AM

FS09 @ 1'

E501235-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	77.5 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.7 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2505140	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	99.3 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505143	
Chloride	95.1	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported: 2/5/2025 10:35:17AM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

FS10 @ 1'
E501235-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: 4-Bromochlorobenzene-PID	76.7 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.2 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2505140	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
Surrogate: n-Nonane	102 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2505143	
Chloride	58.4	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 10:35:17AM

FS11 @ 1'

E501235-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	77.7 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.3 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	49.6	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 10:35:17AM

FS17 @ 3'

E501235-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		77.6 %	70-130	01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.9 %	70-130	01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>		100 %	61-141	01/31/25	01/31/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2505143
Chloride	21.8	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 10:35:17AM

FS18 @ 3'

E501235-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	78.6 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.7 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	308	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 10:35:17AM

FS19 @ 3'

E501235-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	80.0 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.1 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	282	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 10:35:17AM

FS20 @ 3'

E501235-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	79.3 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.6 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2505140	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505143	
Chloride	281	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 10:35:17AM

FS21 @ 1.5'

E501235-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	80.4 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.9 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	147	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported: 2/5/2025 10:35:17AM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

FS22 @ 1.5'
E501235-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	80.8 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2505140	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505143	
Chloride	1040	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 10:35:17AM

FS23 @ 1.5'

E501235-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.9 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.1 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2505140	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505143	
Chloride	1290	20.0	1	01/31/25	01/31/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 10:35:17AM

SW01 @ 0-3'

E501235-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.0 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	582	20.0	1	01/31/25	02/01/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 10:35:17AM

SW02 @ 0-3'

E501235-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.7 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		01/31/25	02/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	480	20.0	1	01/31/25	02/01/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 10:35:17AM

SW03 @ 0-1'

E501235-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.7 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		01/31/25	02/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		01/31/25	02/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505143
Chloride	721	20.0	1	01/31/25	02/01/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/5/2025 10:35:17AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505128-BLK1) Prepared: 01/31/25 Analyzed: 02/01/25

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	6.48		8.00		81.0	70-130			

LCS (2505128-BS1) Prepared: 01/31/25 Analyzed: 02/01/25

Benzene	4.79	0.0250	5.00		95.7	70-130			
Ethylbenzene	4.53	0.0250	5.00		90.7	70-130			
Toluene	4.69	0.0250	5.00		93.7	70-130			
o-Xylene	4.48	0.0250	5.00		89.7	70-130			
p,m-Xylene	9.19	0.0500	10.0		91.9	70-130			
Total Xylenes	13.7	0.0250	15.0		91.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.45		8.00		80.6	70-130			

Matrix Spike (2505128-MS1) Source: E501235-02 Prepared: 01/31/25 Analyzed: 02/01/25

Benzene	4.77	0.0250	5.00	ND	95.4	54-133			
Ethylbenzene	4.53	0.0250	5.00	ND	90.7	61-133			
Toluene	4.68	0.0250	5.00	ND	93.6	61-130			
o-Xylene	4.48	0.0250	5.00	ND	89.6	63-131			
p,m-Xylene	9.19	0.0500	10.0	ND	91.9	63-131			
Total Xylenes	13.7	0.0250	15.0	ND	91.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	6.40		8.00		80.0	70-130			

Matrix Spike Dup (2505128-MSD1) Source: E501235-02 Prepared: 01/31/25 Analyzed: 02/01/25

Benzene	4.75	0.0250	5.00	ND	95.0	54-133	0.444	20	
Ethylbenzene	4.52	0.0250	5.00	ND	90.3	61-133	0.390	20	
Toluene	4.65	0.0250	5.00	ND	93.0	61-130	0.544	20	
o-Xylene	4.47	0.0250	5.00	ND	89.4	63-131	0.239	20	
p,m-Xylene	9.16	0.0500	10.0	ND	91.6	63-131	0.395	20	
Total Xylenes	13.6	0.0250	15.0	ND	90.8	63-131	0.344	20	
Surrogate: 4-Bromochlorobenzene-PID	6.34		8.00		79.3	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/5/2025 10:35:17AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505128-BLK1) Prepared: 01/31/25 Analyzed: 02/01/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.7	70-130			

LCS (2505128-BS2) Prepared: 01/31/25 Analyzed: 02/01/25

Gasoline Range Organics (C6-C10)	40.0	20.0	50.0		80.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.5	70-130			

Matrix Spike (2505128-MS2) Source: E501235-02 Prepared: 01/31/25 Analyzed: 02/01/25

Gasoline Range Organics (C6-C10)	38.3	20.0	50.0	ND	76.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.97		8.00		99.6	70-130			

Matrix Spike Dup (2505128-MSD2) Source: E501235-02 Prepared: 01/31/25 Analyzed: 02/01/25

Gasoline Range Organics (C6-C10)	41.1	20.0	50.0	ND	82.2	70-130	7.14	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.94		8.00		99.2	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/5/2025 10:35:17AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505140-BLK1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.9		50.0		95.7	61-141			

LCS (2505140-BS1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Diesel Range Organics (C10-C28)	222	25.0	250		88.9	66-144			
Surrogate: n-Nonane	50.3		50.0		101	61-141			

Matrix Spike (2505140-MS1)					Source: E501235-13		Prepared: 01/31/25 Analyzed: 01/31/25		
Diesel Range Organics (C10-C28)	225	25.0	250	ND	90.2	56-156			
Surrogate: n-Nonane	51.4		50.0		103	61-141			

Matrix Spike Dup (2505140-MSD1)					Source: E501235-13		Prepared: 01/31/25 Analyzed: 01/31/25		
Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.6	56-156	0.588	20	
Surrogate: n-Nonane	50.8		50.0		102	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/5/2025 10:35:17AM

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 (2505143-BLK1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Chloride	ND	20.0							
LCS (2505143-BS1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2505143-MS1)					Source: E501235-05		Prepared: 01/31/25 Analyzed: 01/31/25		
Chloride	435	20.0	250	156	111	80-120			
Matrix Spike Dup (2505143-MSD1)					Source: E501235-05		Prepared: 01/31/25 Analyzed: 01/31/25		
Chloride	417	20.0	250	156	104	80-120	4.18	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:	Pinnacle State #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/05/25 10:35

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - DNI Did Not Ignite
 - DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon Energy		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: Pinnacle State #002				Address: 5315 Buena Vista Dr		E501235		Job Number				01058-0007					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220								X					
Address: 3122 National Parks Hwy				Phone: (575)689-7597													
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com													
Phone: 575-988-0055				Miscellaneous: Jim Raley													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
0910	1/29/2025	s	1	FS04 @ 1'		1						X					
0912	1/29/2025	s	1	FS05 @ 1'		2						X					
0914	1/29/2025	s	1	FS06 @ 1'		3						X					
1054	1/29/2025	s	1	FS07 @ 1'		4						X					
0925	1/29/2025	s	1	FS08 @ 1'		5						X					
0927	1/29/2025	s	1	FS09 @ 1'		6						X					
0930	1/29/2025	s	1	FS10 @ 1'		7						X					
0932	1/29/2025	s	1	FS11 @ 1'		8						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Higinio Gonzalez																	
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									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
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.																	



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Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon Energy		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: Pinnacle State #002				Address: 5315 Buena Vista Dr		E501235		Job Number				01058-0007					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220								X					
Address: 3122 National Parks Hwy				Phone: (575)689-7597													
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com													
Phone: 575-988-0055				Miscellaneous: Jim Raley													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
1250	1/29/2025	SD	1	FS17		9						X					
1253	1/29/2025	SD	1	FS18		10						X					
1411	1/29/2025	SD	1	FS19		11						X					
1416	1/29/2025	SD	1	FS20		12						X					
1400	1/29/2025	SD	1	FS21		13						X					
1404	1/29/2025	SD	1	FS22		14						X					
1406	1/29/2025	SD	1	FS23		15						X					
1259	1/29/2025	SD	1	PHCO SW01 @ 0-3'		16						X					
1420	1/29/2025	SD	1	SW02 @ 0-3'		17						X					
1425	1/29/2025	SD	1	SW03 @ 0-1'		18						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																	
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Sampled by: Higinio Gonzalez																	
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.									
		01-30-25	0800	Michelle Gonzalez		1-30-25	0800										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only									
Michelle Gonzalez		1-30-25	1630			1-30-25	1630	Received on ice: <input checked="" type="checkbox"/> Y / N									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3									
		1-30-25	2330	Michelle R. Hall		1-31-25	0530										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	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 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: 1/31/2025 9:39:49AM

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:	01/31/25 05:30	Work Order ID:	E501235
Phone:	(505) 382-1211	Date Logged In:	01/30/25 16:12	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	02/06/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



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Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX		
Project: Pinnacle State #002				Address: 5315 Buena Vista Dr		E501235	01058-0007				X	X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: (575)689-7597													
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dnv.com													
Phone: 575-988-0055				Miscellaneous: Jim Raley													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
0910	1/29/2025	s	1	FS04 @ 1'		1						X					
0912	1/29/2025	s	1	FS05 @ 1'		2						X					
0914	1/29/2025	s	1	FS06 @ 1'		3						X					
1054	1/29/2025	s	1	FS07 @ 1'		4						X					
0925	1/29/2025	s	1	FS08 @ 1'		5						X					
0927	1/29/2025	s	1	FS09 @ 1'		6						X					
0930	1/29/2025	s	1	FS10 @ 1'		7						X					
0932	1/29/2025	s	1	FS11 @ 1'		8						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dnv.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																	
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Sampled by: Higinio Gonzalez																	
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Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
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.																	



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Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Devon				Company: Devon Energy		Lab WO#		1D 2D 3D Std				NM CO UT TX							
Project: Pinnacle State #002				Address: 5315 Buena Vista Dr		E501235		Job Number				01058-0007							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220								X							
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@devn.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA		
															Compliance	Y	or	N	
															PWSID #				
															Remarks				
1250	1/29/2025	SD	1	FS 17 @ 3'		9						X						Name changer	
1253	1/29/2025	SD	1	FS 18 @ 3'		10						X						per. J. Gonzalez	
1411	1/29/2025	SD	1	FS 19 @ 3'		11						X						2/5/25 RAS	
1416	1/29/2025	SD	1	FS 20 @ 3'		12						X						Corrected	
1400	1/29/2025	SD	1	FS 21 @ 3' 1.5'		13						X						depths on	
1401	1/29/2025	SD	1	FS 22 @ 3' 1.5'		14						X						Samples 13-15	
1406	1/29/2025	SD	1	FS 23 @ 3' 1.5'		15						X						per. J. Gonzales	
1259	1/29/2025	SD	1	FW SW 01 @ 0-3'		16						X						2/5/25 OM	
1470	1/29/2025	SD	1	SW 02 @ 0-3'		17						X							
1425	1/29/2025	SD	1	SW 03 @ 0-1'		18						X							
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@devn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																			
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Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
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Report to:
Ashley Giovengo



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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: Pinnacle State 2

Work Order: E502004

Job Number: 01058-0007

Received: 2/4/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/7/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/7/25

Ashley Giovengo
5315 Buena Vista Dr
Carlsbad, NM 88220



Project Name: Pinnacle State 2
Workorder: E502004
Date Received: 2/4/2025 6:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/4/2025 6:30:00AM, under the Project Name: Pinnacle State 2.

The analytical test results summarized in this report with the Project Name: Pinnacle State 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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ljjarboe@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported: 02/07/25 08:55
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS31-2.5'	E502004-01A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/7/2025 8:55:27AM

FS31-2.5'

E502004-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2506026	
Benzene	ND	0.0250	1	02/04/25	02/04/25	
Ethylbenzene	ND	0.0250	1	02/04/25	02/04/25	
Toluene	ND	0.0250	1	02/04/25	02/04/25	
o-Xylene	ND	0.0250	1	02/04/25	02/04/25	
p,m-Xylene	ND	0.0500	1	02/04/25	02/04/25	
Total Xylenes	ND	0.0250	1	02/04/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.7 %	70-130	02/04/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2506026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/04/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.9 %	70-130	02/04/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2506029	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
<i>Surrogate: n-Nonane</i>		92.3 %	61-141	02/04/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2506027	
Chloride	586	20.0	1	02/04/25	02/04/25	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	2/7/2025 8:55:27AM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2506026-BLK1)

Prepared: 02/04/25 Analyzed: 02/04/25

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	6.78		8.00		84.8	70-130			

LCS (2506026-BS1)

Prepared: 02/04/25 Analyzed: 02/04/25

Benzene	4.32	0.0250	5.00		86.4	70-130			
Ethylbenzene	4.41	0.0250	5.00		88.2	70-130			
Toluene	4.44	0.0250	5.00		88.9	70-130			
o-Xylene	4.43	0.0250	5.00		88.5	70-130			
p,m-Xylene	8.98	0.0500	10.0		89.8	70-130			
Total Xylenes	13.4	0.0250	15.0		89.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.73		8.00		84.2	70-130			

LCS Dup (2506026-BSD1)

Prepared: 02/04/25 Analyzed: 02/04/25

Benzene	4.48	0.0250	5.00		89.6	70-130	3.59	20	
Ethylbenzene	4.57	0.0250	5.00		91.4	70-130	3.51	20	
Toluene	4.60	0.0250	5.00		92.0	70-130	3.43	20	
o-Xylene	4.56	0.0250	5.00		91.2	70-130	2.98	20	
p,m-Xylene	9.29	0.0500	10.0		92.9	70-130	3.36	20	
Total Xylenes	13.8	0.0250	15.0		92.3	70-130	3.23	20	
Surrogate: 4-Bromochlorobenzene-PID	6.91		8.00		86.4	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	2/7/2025 8:55:27AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506026-BLK1)					Prepared: 02/04/25 Analyzed: 02/04/25				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			

LCS (2506026-BS2)					Prepared: 02/04/25 Analyzed: 02/04/25				
Gasoline Range Organics (C6-C10)	40.5	20.0	50.0		81.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.2	70-130			

LCS Dup (2506026-BSD2)					Prepared: 02/04/25 Analyzed: 02/04/25				
Gasoline Range Organics (C6-C10)	39.7	20.0	50.0		79.3	70-130	2.15	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	2/7/2025 8:55:27AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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

Blank (2506029-BLK1)					Prepared: 02/04/25 Analyzed: 02/05/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.3		50.0		96.5	61-141			

LCS (2506029-BS1)					Prepared: 02/04/25 Analyzed: 02/05/25				
Diesel Range Organics (C10-C28)	244	25.0	250		97.5	66-144			
Surrogate: n-Nonane	48.5		50.0		97.0	61-141			

Matrix Spike (2506029-MS1)					Source: E502006-03		Prepared: 02/04/25 Analyzed: 02/05/25		
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.2	56-156			
Surrogate: n-Nonane	49.9		50.0		99.8	61-141			

Matrix Spike Dup (2506029-MSD1)					Source: E502006-03		Prepared: 02/04/25 Analyzed: 02/05/25		
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	56-156	3.99	20	
Surrogate: n-Nonane	49.8		50.0		99.5	61-141			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	2/7/2025 8:55:27AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2506027-BLK1)					Prepared: 02/04/25 Analyzed: 02/04/25				
Chloride	ND	20.0							
LCS (2506027-BS1)					Prepared: 02/04/25 Analyzed: 02/04/25				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2506027-MS1)					Source: E502003-02		Prepared: 02/04/25 Analyzed: 02/04/25		
Chloride	259	20.0	250	ND	103	80-120			
Matrix Spike Dup (2506027-MSD1)					Source: E502003-02		Prepared: 02/04/25 Analyzed: 02/04/25		
Chloride	258	20.0	250	ND	103	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

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	02/07/25 08:55

- 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.



Chain of Custody

E502004 CM

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT				State											
Client: WPX Energy Permian, LLC				Company: WPX Energy Permian, LLC		Lab WO#		Job Number				<table border="1"> <tr> <td>1D</td> <td>2D</td> <td>3D</td> <td>Std</td> </tr> <tr> <td>X</td> <td></td> <td></td> <td>X</td> </tr> </table>				1D	2D	3D	Std	X			X
1D	2D	3D	Std																				
X			X																				
Project: Pinnacle State 2				Address: 5315 Buena Vista Dr		E502005		01058-0007				<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>TX</td> </tr> <tr> <td>X</td> <td></td> <td></td> <td></td> </tr> </table>				NM	CO	UT	TX	X			
NM	CO	UT	TX																				
X																							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																			
Address: 3122 National Parks Hwy				Phone: (575)689-7597																			
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com																			
Phone: 575-988-0055				Miscellaneous: Jim Raley																			
Email: agiovengo@ensolum.com																							
Sample Information						Analysis and Method								EPA Program									
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA						
12:36	1/31/2025	S	1	FS31 - 2.5'		1						X											
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Cole Burton and Jenna Hinkle																							
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: 0 / N T1 _____ T2 _____ T3 _____ AVG Temp °C 4															
Jenna Hinkle		2/3/25	7:00	Michelle Gonzalez		2-3-25	0700																
Michelle Gonzalez		2-3-25	1545	Richard Gonzalez		2-3-25	1545																
Richard Gonzalez		2-3-25	2245	Caitlynn Mann		2-4-25	16:30																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																					



Envirotech Analytical Laboratory

Printed: 2/4/2025 9:48:59AM

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:	02/04/25 06:30	Work Order ID:	E502004
Phone:	(539) 573-4018	Date Logged In:	02/03/25 14:47	Logged In By:	Noe Soto
Email:	ashley.giovengo@wesominc.com	Due Date:	02/10/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: Pinnacle State 2

Work Order: E502006

Job Number: 01058-0007

Received: 2/4/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/7/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/7/25

Ashley Giovengo
5315 Buena Vista Dr
Carlsbad, NM 88220



Project Name: Pinnacle State 2
Workorder: E502006
Date Received: 2/4/2025 6:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/4/2025 6:30:00AM, under the Project Name: Pinnacle State 2.

The analytical test results summarized in this report with the Project Name: Pinnacle State 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Laboratory Administrator
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Sample Summary

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported: 02/07/25 08:56
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW04-0-2.5'	E502006-01A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
FS30-2.5'	E502006-02A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
FS32-1'	E502006-03A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
FS34-3.5'	E502006-04A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/7/2025 8:56:29AM

SW04-0-2.5'

E502006-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2506026	
Benzene	ND	0.0250	1	02/04/25	02/04/25	
Ethylbenzene	ND	0.0250	1	02/04/25	02/04/25	
Toluene	ND	0.0250	1	02/04/25	02/04/25	
o-Xylene	ND	0.0250	1	02/04/25	02/04/25	
p,m-Xylene	ND	0.0500	1	02/04/25	02/04/25	
Total Xylenes	ND	0.0250	1	02/04/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.9 %	70-130		02/04/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2506026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/04/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.5 %	70-130		02/04/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2506029	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
<i>Surrogate: n-Nonane</i>	95.5 %	61-141		02/04/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2506027	
Chloride	132	20.0	1	02/04/25	02/04/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/7/2025 8:56:29AM

FS30-2.5'

E502006-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506026	
Benzene	ND	0.0250	1	02/04/25	02/04/25	
Ethylbenzene	ND	0.0250	1	02/04/25	02/04/25	
Toluene	ND	0.0250	1	02/04/25	02/04/25	
o-Xylene	ND	0.0250	1	02/04/25	02/04/25	
p,m-Xylene	ND	0.0500	1	02/04/25	02/04/25	
Total Xylenes	ND	0.0250	1	02/04/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.9 %	70-130		02/04/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/04/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.2 %	70-130		02/04/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2506029	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
<i>Surrogate: n-Nonane</i>						
	91.7 %	61-141		02/04/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2506027	
Chloride	388	20.0	1	02/04/25	02/04/25	



Sample Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported: 2/7/2025 8:56:29AM
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	

FS32-1'

E502006-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506026	
Benzene	ND	0.0250	1	02/04/25	02/04/25	
Ethylbenzene	ND	0.0250	1	02/04/25	02/04/25	
Toluene	ND	0.0250	1	02/04/25	02/04/25	
o-Xylene	ND	0.0250	1	02/04/25	02/04/25	
p,m-Xylene	ND	0.0500	1	02/04/25	02/04/25	
Total Xylenes	ND	0.0250	1	02/04/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.7 %	70-130		02/04/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/04/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.7 %	70-130		02/04/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2506029	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
<i>Surrogate: n-Nonane</i>						
	95.9 %	61-141		02/04/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2506027	
Chloride	430	20.0	1	02/04/25	02/04/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/7/2025 8:56:29AM

FS34-3.5'

E502006-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506026	
Benzene	ND	0.0250	1	02/04/25	02/04/25	
Ethylbenzene	ND	0.0250	1	02/04/25	02/04/25	
Toluene	ND	0.0250	1	02/04/25	02/04/25	
o-Xylene	ND	0.0250	1	02/04/25	02/04/25	
p,m-Xylene	ND	0.0500	1	02/04/25	02/04/25	
Total Xylenes	ND	0.0250	1	02/04/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.1 %	70-130		02/04/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/04/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		02/04/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2506029	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
<i>Surrogate: n-Nonane</i>						
	90.9 %	61-141		02/04/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2506027	
Chloride	823	20.0	1	02/04/25	02/04/25	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	2/7/2025 8:56:29AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506026-BLK1)

Prepared: 02/04/25 Analyzed: 02/04/25

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	6.78		8.00		84.8	70-130			

LCS (2506026-BS1)

Prepared: 02/04/25 Analyzed: 02/04/25

Benzene	4.32	0.0250	5.00		86.4	70-130			
Ethylbenzene	4.41	0.0250	5.00		88.2	70-130			
Toluene	4.44	0.0250	5.00		88.9	70-130			
o-Xylene	4.43	0.0250	5.00		88.5	70-130			
p,m-Xylene	8.98	0.0500	10.0		89.8	70-130			
Total Xylenes	13.4	0.0250	15.0		89.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.73		8.00		84.2	70-130			

LCS Dup (2506026-BSD1)

Prepared: 02/04/25 Analyzed: 02/04/25

Benzene	4.48	0.0250	5.00		89.6	70-130	3.59	20	
Ethylbenzene	4.57	0.0250	5.00		91.4	70-130	3.51	20	
Toluene	4.60	0.0250	5.00		92.0	70-130	3.43	20	
o-Xylene	4.56	0.0250	5.00		91.2	70-130	2.98	20	
p,m-Xylene	9.29	0.0500	10.0		92.9	70-130	3.36	20	
Total Xylenes	13.8	0.0250	15.0		92.3	70-130	3.23	20	
Surrogate: 4-Bromochlorobenzene-PID	6.91		8.00		86.4	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	2/7/2025 8:56:29AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506026-BLK1) Prepared: 02/04/25 Analyzed: 02/04/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			

LCS (2506026-BS2) Prepared: 02/04/25 Analyzed: 02/04/25

Gasoline Range Organics (C6-C10)	40.5	20.0	50.0		81.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.2	70-130			

LCS Dup (2506026-BSD2) Prepared: 02/04/25 Analyzed: 02/04/25

Gasoline Range Organics (C6-C10)	39.7	20.0	50.0		79.3	70-130	2.15	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	2/7/2025 8:56:29AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506029-BLK1)					Prepared: 02/04/25 Analyzed: 02/05/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.3		50.0		96.5	61-141			

LCS (2506029-BS1)					Prepared: 02/04/25 Analyzed: 02/05/25				
Diesel Range Organics (C10-C28)	244	25.0	250		97.5	66-144			
Surrogate: n-Nonane	48.5		50.0		97.0	61-141			

Matrix Spike (2506029-MS1)					Source: E502006-03		Prepared: 02/04/25 Analyzed: 02/05/25		
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.2	56-156			
Surrogate: n-Nonane	49.9		50.0		99.8	61-141			

Matrix Spike Dup (2506029-MSD1)					Source: E502006-03		Prepared: 02/04/25 Analyzed: 02/05/25		
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	56-156	3.99	20	
Surrogate: n-Nonane	49.8		50.0		99.5	61-141			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	2/7/2025 8:56:29AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506027-BLK1)					Prepared: 02/04/25 Analyzed: 02/04/25				
Chloride	ND	20.0							
LCS (2506027-BS1)					Prepared: 02/04/25 Analyzed: 02/04/25				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2506027-MS1)					Source: E502003-02		Prepared: 02/04/25 Analyzed: 02/04/25		
Chloride	259	20.0	250	ND	103	80-120			
Matrix Spike Dup (2506027-MSD1)					Source: E502003-02		Prepared: 02/04/25 Analyzed: 02/04/25		
Chloride	258	20.0	250	ND	103	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

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	02/07/25 08:56

- 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.



Chain of Custody

Client Information				Invoice Information				Lab Use Only				TAT				State													
Client: WPX Energy Permian, LLC				Company: WPX Energy Permian, LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX										
Project: Pinnacle State 2				Address: 5315 Buena Vista Dr				E502006		01058-0007		X			X	X													
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																									
Address: 3122 National Parks Hwy				Phone: (575)689-7597																									
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com																									
Phone: 575-988-0055				Miscellaneous: Jim Raley																									
Email: agiovengo@ensolum.com																													
												Analysis and Method								EPA Program									
																				SDWA				CWA		RCRA			
																				Compliance				Y		or		N	
																				PWSID #									
																				Remarks									
Sample Information																													
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/ORO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals															
12:28	1/31/2025	S	1	SW04 - 0-2.5'		1						X				Do not rush													
12:37	1/31/2025	S	1	FS30 - 2.5'		2						X				Do not rush													
11:30	1/31/2025	S	1	FS32 - 1'		3						X				Rush chloride only													
10:58	1/31/2025	S	1	FS34 - 3.5'		4						X				Rush chloride only													
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com																													
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																													
Sampled by: Cole Burton and Jenna Hinshel																													
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: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4													
Jenna Hinshel				2/3/25		7:00		Michelle Gonzalez				2-3-25		0700															
Michelle Gonzalez				2-3-25		1545		Richard Gonzalez				2-3-25		1545															
Richard Gonzalez				2-3-25		22:45		Caitlin Mann				2-4-25		10:30															
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time															
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

Envirotech Analytical Laboratory

Printed: 2/4/2025 7:51:33AM

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:	02/04/25 06:30	Work Order ID:	E502006
Phone:	(539) 573-4018	Date Logged In:	02/03/25 15:03	Logged In By:	Noe Soto
Email:	ashley.giovengo@wesominc.com	Due Date:	02/10/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Per customer only rush samples 3 and 4.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Pinnacle State 2

Work Order: E502010

Job Number: 01058-0007

Received: 2/4/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/10/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/10/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Pinnacle State 2
Workorder: E502010
Date Received: 2/4/2025 6:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/4/2025 6:30:00AM, under the Project Name: Pinnacle State 2.

The analytical test results summarized in this report with the Project Name: Pinnacle State 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Laboratory Administrator
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported: 02/10/25 11:37
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS35 @ 0.5'	E502010-01A	Soil	01/30/25	02/04/25	Glass Jar, 2 oz.
FS36 @ 0.5'	E502010-02A	Soil	01/30/25	02/04/25	Glass Jar, 2 oz.
FS37 @ 0.5'	E502010-03A	Soil	01/30/25	02/04/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/10/2025 11:37:52AM

FS35 @ 0.5'

E502010-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2506031	
Benzene	ND	0.0250	1	02/04/25	02/05/25	
Ethylbenzene	ND	0.0250	1	02/04/25	02/05/25	
Toluene	ND	0.0250	1	02/04/25	02/05/25	
o-Xylene	ND	0.0250	1	02/04/25	02/05/25	
p,m-Xylene	ND	0.0500	1	02/04/25	02/05/25	
Total Xylenes	ND	0.0250	1	02/04/25	02/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.0 %	70-130		02/04/25	02/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2506031	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/04/25	02/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	85.0 %	70-130		02/04/25	02/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2506029	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/06/25	
<i>Surrogate: n-Nonane</i>	94.6 %	61-141		02/04/25	02/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2506034	
Chloride	355	20.0	1	02/04/25	02/04/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/10/2025 11:37:52AM

FS36 @ 0.5'

E502010-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2506031	
Benzene	ND	0.0250	1	02/04/25	02/05/25	
Ethylbenzene	ND	0.0250	1	02/04/25	02/05/25	
Toluene	ND	0.0250	1	02/04/25	02/05/25	
o-Xylene	ND	0.0250	1	02/04/25	02/05/25	
p,m-Xylene	ND	0.0500	1	02/04/25	02/05/25	
Total Xylenes	ND	0.0250	1	02/04/25	02/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	92.7 %	70-130		02/04/25	02/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2506031	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/04/25	02/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	85.7 %	70-130		02/04/25	02/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2506029	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/06/25	
<i>Surrogate: n-Nonane</i>	94.9 %	61-141		02/04/25	02/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2506034	
Chloride	182	20.0	1	02/04/25	02/04/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/10/2025 11:37:52AM

FS37 @ 0.5'

E502010-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2506031	
Benzene	ND	0.0250	1	02/04/25	02/05/25	
Ethylbenzene	ND	0.0250	1	02/04/25	02/05/25	
Toluene	ND	0.0250	1	02/04/25	02/05/25	
o-Xylene	ND	0.0250	1	02/04/25	02/05/25	
p,m-Xylene	ND	0.0500	1	02/04/25	02/05/25	
Total Xylenes	ND	0.0250	1	02/04/25	02/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	92.2 %	70-130		02/04/25	02/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2506031	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/04/25	02/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	86.0 %	70-130		02/04/25	02/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2506029	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/06/25	
<i>Surrogate: n-Nonane</i>	90.1 %	61-141		02/04/25	02/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2506034	
Chloride	217	20.0	1	02/04/25	02/04/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/10/2025 11:37:52AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506031-BLK1)

Prepared: 02/04/25 Analyzed: 02/05/25

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	7.37		8.00		92.1	70-130			

LCS (2506031-BS1)

Prepared: 02/04/25 Analyzed: 02/07/25

Benzene	5.20	0.0250	5.00		104	70-130			
Ethylbenzene	5.14	0.0250	5.00		103	70-130			
Toluene	5.21	0.0250	5.00		104	70-130			
o-Xylene	5.11	0.0250	5.00		102	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.69		8.00		83.7	70-130			

Matrix Spike (2506031-MS1)

Source: E502013-03

Prepared: 02/04/25 Analyzed: 02/07/25

Benzene	5.31	0.0250	5.00	ND	106	54-133			
Ethylbenzene	5.24	0.0250	5.00	ND	105	61-133			
Toluene	5.31	0.0250	5.00	ND	106	61-130			
o-Xylene	5.20	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131			
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131			
Surrogate: 4-Bromochlorobenzene-PID	6.61		8.00		82.6	70-130			

Matrix Spike Dup (2506031-MSD1)

Source: E502013-03

Prepared: 02/04/25 Analyzed: 02/07/25

Benzene	5.40	0.0250	5.00	ND	108	54-133	1.69	20	
Ethylbenzene	5.34	0.0250	5.00	ND	107	61-133	2.00	20	
Toluene	5.40	0.0250	5.00	ND	108	61-130	1.78	20	
o-Xylene	5.31	0.0250	5.00	ND	106	63-131	1.94	20	
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131	1.88	20	
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131	1.90	20	
Surrogate: 4-Bromochlorobenzene-PID	6.77		8.00		84.6	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/10/2025 11:37:52AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506031-BLK1) Prepared: 02/04/25 Analyzed: 02/05/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		8.00		86.6	70-130			

LCS (2506031-BS2) Prepared: 02/04/25 Analyzed: 02/05/25

Gasoline Range Organics (C6-C10)	40.2	20.0	50.0		80.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.03		8.00		87.8	70-130			

Matrix Spike (2506031-MS2) Source: E502013-03 Prepared: 02/04/25 Analyzed: 02/05/25

Gasoline Range Organics (C6-C10)	43.0	20.0	50.0	ND	85.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.92		8.00		86.5	70-130			

Matrix Spike Dup (2506031-MSD2) Source: E502013-03 Prepared: 02/04/25 Analyzed: 02/05/25

Gasoline Range Organics (C6-C10)	42.5	20.0	50.0	ND	85.0	70-130	1.03	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.8	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/10/2025 11:37:52AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506029-BLK1)					Prepared: 02/04/25 Analyzed: 02/05/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.3		50.0		96.5	61-141			

LCS (2506029-BS1)					Prepared: 02/04/25 Analyzed: 02/05/25				
Diesel Range Organics (C10-C28)	244	25.0	250		97.5	66-144			
Surrogate: n-Nonane	48.5		50.0		97.0	61-141			

Matrix Spike (2506029-MS1)					Source: E502006-03		Prepared: 02/04/25 Analyzed: 02/05/25		
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.2	56-156			
Surrogate: n-Nonane	49.9		50.0		99.8	61-141			

Matrix Spike Dup (2506029-MSD1)					Source: E502006-03		Prepared: 02/04/25 Analyzed: 02/05/25		
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	56-156	3.99	20	
Surrogate: n-Nonane	49.8		50.0		99.5	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/10/2025 11:37:52AM

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 (2506034-BLK1)					Prepared: 02/04/25 Analyzed: 02/04/25				
Chloride	ND	20.0							
LCS (2506034-BS1)					Prepared: 02/04/25 Analyzed: 02/04/25				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2506034-MS1)					Source: E502010-03		Prepared: 02/04/25 Analyzed: 02/04/25		
Chloride	492	20.0	250	217	110	80-120			
Matrix Spike Dup (2506034-MSD1)					Source: E502010-03		Prepared: 02/04/25 Analyzed: 02/04/25		
Chloride	462	20.0	250	217	97.9	80-120	6.29	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:	Pinnacle State 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/10/25 11:37

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

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

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



envirotech

Envirotech Analytical Laboratory

Printed: 2/4/2025 8:19:39AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	02/04/25 06:30	Work Order ID:	E502010
Phone:	(505) 382-1211	Date Logged In:	02/03/25 15:45	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	02/10/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



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: Pinnacle State #002

Work Order: E502043

Job Number: 01058-0007

Received: 2/6/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/11/25

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: 2/11/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Pinnacle State #002
Workorder: E502043
Date Received: 2/6/2025 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/6/2025 6:00:00AM, under the Project Name: Pinnacle State #002.

The analytical test results summarized in this report with the Project Name: Pinnacle State #002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Cell: 775-287-1762
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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State #002 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 02/11/25 10:56
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS13 @ 1.75'	E502043-01A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
FS25 @ 2'	E502043-02A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
FS38 @ 1.5'	E502043-03A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
FS40 @ 2'	E502043-04A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
SW05 @ 0-1'	E502043-05A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
SW06 @ 0-1'	E502043-06A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
SW07 @ 0-1'	E502043-07A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
FS39 @ 3'	E502043-08A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
FS41 @ 3'	E502043-09A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
FS43 @ 3'	E502043-10A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State #002 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/11/2025 10:56:28AM
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FS13 @ 1.75'

E502043-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2506088	
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.6 %	70-130	02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2506088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.7 %	70-130	02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2506097	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/06/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	02/06/25	02/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2506098	
Chloride	152	20.0	1	02/06/25	02/06/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 10:56:28AM

FS25 @ 2'

E502043-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2506088	
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.1 %	70-130	02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2506088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.5 %	70-130	02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2506097	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/06/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	02/06/25	02/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2506098	
Chloride	282	20.0	1	02/06/25	02/06/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 10:56:28AM

FS38 @ 1.5'

E502043-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2506088	
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.6 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2506088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.4 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2506097	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/06/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		02/06/25	02/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2506098	
Chloride	276	20.0	1	02/06/25	02/06/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 10:56:28AM

FS40 @ 2'

E502043-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2506088	
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	90.6 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2506088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	86.3 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2506097	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
<i>Surrogate: n-Nonane</i>	105 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2506098	
Chloride	369	20.0	1	02/06/25	02/06/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 10:56:28AM

SW05 @ 0-1'

E502043-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506088
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.0 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506088
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.0 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506097
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506098
Chloride	25.4	20.0	1	02/06/25	02/06/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 10:56:28AM

SW06 @ 0-1'

E502043-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2506088	
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.8 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2506088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.9 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2506097	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2506098	
Chloride	51.5	20.0	1	02/06/25	02/06/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 10:56:28AM

SW07 @ 0-1'

E502043-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2506088	
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	90.5 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2506088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.5 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2506097	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
<i>Surrogate: n-Nonane</i>	98.2 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2506098	
Chloride	47.6	20.0	1	02/06/25	02/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State #002 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/11/2025 10:56:28AM
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FS39 @ 3'
E502043-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2506088	
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: 4-Bromochlorobenzene-PID	88.9 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2506088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.4 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2506097	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane	106 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2506098	
Chloride	56.7	20.0	1	02/06/25	02/06/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 10:56:28AM

FS41 @ 3'

E502043-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506088
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506088
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.7 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506097
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506098
Chloride	823	20.0	1	02/06/25	02/06/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 10:56:28AM

FS43 @ 3'

E502043-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506088
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.2 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506088
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.0 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506097
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
<i>Surrogate: n-Nonane</i>						
	96.7 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506098
Chloride	113	20.0	1	02/06/25	02/06/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/11/2025 10:56:28AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506088-BLK1)

Prepared: 02/06/25 Analyzed: 02/07/25

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	6.12		8.00		76.5	70-130			

LCS (2506088-BS1)

Prepared: 02/06/25 Analyzed: 02/07/25

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	5.04	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.53		8.00		81.6	70-130			

Matrix Spike (2506088-MS1)

Source: E502043-06

Prepared: 02/06/25 Analyzed: 02/07/25

Benzene	5.06	0.0250	5.00	ND	101	54-133			
Ethylbenzene	5.00	0.0250	5.00	ND	100	61-133			
Toluene	5.07	0.0250	5.00	ND	101	61-130			
o-Xylene	5.00	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	6.81		8.00		85.1	70-130			

Matrix Spike Dup (2506088-MSD1)

Source: E502043-06

Prepared: 02/06/25 Analyzed: 02/07/25

Benzene	5.29	0.0250	5.00	ND	106	54-133	4.45	20	
Ethylbenzene	5.24	0.0250	5.00	ND	105	61-133	4.55	20	
Toluene	5.29	0.0250	5.00	ND	106	61-130	4.34	20	
o-Xylene	5.23	0.0250	5.00	ND	105	63-131	4.42	20	
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131	4.51	20	
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131	4.48	20	
Surrogate: 4-Bromochlorobenzene-PID	7.02		8.00		87.8	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/11/2025 10:56:28AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506088-BLK1) Prepared: 02/06/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.01		8.00		87.7	70-130			

LCS (2506088-BS2) Prepared: 02/06/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	43.3	20.0	50.0		86.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.4	70-130			

Matrix Spike (2506088-MS2) Source: E502043-06 Prepared: 02/06/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.01		8.00		87.6	70-130			

Matrix Spike Dup (2506088-MSD2) Source: E502043-06 Prepared: 02/06/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	ND	83.7	70-130	3.59	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		8.00		87.1	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/11/2025 10:56:28AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506097-BLK1)					Prepared: 02/06/25 Analyzed: 02/06/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.8		50.0		99.6	61-141			

LCS (2506097-BS1)					Prepared: 02/06/25 Analyzed: 02/06/25				
Diesel Range Organics (C10-C28)	255	25.0	250		102	66-144			
Surrogate: n-Nonane	51.6		50.0		103	61-141			

Matrix Spike (2506097-MS1)					Source: E502043-10		Prepared: 02/06/25 Analyzed: 02/06/25		
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	56-156			
Surrogate: n-Nonane	54.2		50.0		108	61-141			

Matrix Spike Dup (2506097-MSD1)					Source: E502043-10		Prepared: 02/06/25 Analyzed: 02/06/25		
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.5	56-156	5.43	20	
Surrogate: n-Nonane	52.4		50.0		105	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/11/2025 10:56:28AM

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 (2506098-BLK1)					Prepared: 02/06/25 Analyzed: 02/06/25				
Chloride	ND	20.0							
LCS (2506098-BS1)					Prepared: 02/06/25 Analyzed: 02/06/25				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2506098-MS1)					Source: E502043-03		Prepared: 02/06/25 Analyzed: 02/06/25		
Chloride	528	20.0	250	276	101	80-120			
Matrix Spike Dup (2506098-MSD1)					Source: E502043-03		Prepared: 02/06/25 Analyzed: 02/06/25		
Chloride	525	20.0	250	276	99.5	80-120	0.532	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:	Pinnacle State #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/11/25 10:56

- 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.



Client Information				Invoice Information				Lab Use Only				TAT				State											
Client: Devon				Company: Devon Energy				Lab WO# E502043				Job Number 01058-0007				<table border="1"> <tr> <td>1D</td> <td>2D</td> <td>3D</td> <td>Std</td> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> </tr> </table>				1D	2D	3D	Std				X
1D	2D	3D	Std																								
			X																								
Project: Pinnacle State #002				Address: 5315 Buena Vista Dr												<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>TX</td> </tr> <tr> <td>X</td> <td></td> <td></td> <td></td> </tr> </table>				NM	CO	UT	TX	X			
NM	CO	UT	TX																								
X																											
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																							
Address: 3122 National Parks Hwy				Phone: (575)689-7597																							
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@divn.com																							
Phone: 575-988-0055				Miscellaneous: Jim Raley																							
Email: agiovengo@ensolum.com																											
Sample Information												Analysis and Method				EPA Program											
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA										
9:14	2/4/2025	S	1	FS13 @ 1.75'		1						X															
13:37	2/4/2025	S	1	FS25 @ 2'		2						X															
11:19	2/4/2025	S	1	FS38 @ 1.5'		3						X															
13:40	2/4/2025	S	1	FS40 @ 2'		4						X															
9:21	2/4/2025	S	1	SW05 @ 0-1'		5						X															
9:18	2/4/2025	S	1	SW06 @ 0-1'		6						X															
11:21	2/4/2025	S	1	SW07 @ 0-1'		7						X															
15:35	2/4/2025	SD	1	FS39 @ 3'		8						X															
15:29	2/4/2025	SD	1	FS41 @ 3'		9						X															
15:40	2/4/2025	SD	1	FS43 @ 3'		10						X															
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@divn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Higinio Gonzalez																											
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: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																				
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: 2/6/2025 9:34:52AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	02/06/25 06:00	Work Order ID:	E502043
Phone:	(505) 382-1211	Date Logged In:	02/05/25 14:23	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	02/12/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



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: Pinnacle State #002

Work Order: E502050

Job Number: 01058-0007

Received: 2/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/11/25

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: 2/11/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Pinnacle State #002
Workorder: E502050
Date Received: 2/7/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/7/2025 7:30:00AM, under the Project Name: Pinnacle State #002.

The analytical test results summarized in this report with the Project Name: Pinnacle State #002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported: 02/11/25 11:13
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS22 @ 4'	E502050-01A	Soil	02/06/25	02/07/25	Glass Jar, 2 oz.
FS23 @ 4'	E502050-02A	Soil	02/06/25	02/07/25	Glass Jar, 2 oz.
FS28 @ 1'	E502050-03A	Soil	02/06/25	02/07/25	Glass Jar, 2 oz.
FS33 @ 2'	E502050-04A	Soil	02/06/25	02/07/25	Glass Jar, 2 oz.
SW03A @ 0-1', 0-4'	E502050-05A	Soil	02/06/25	02/07/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State #002 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/11/2025 11:13:57AM
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FS22 @ 4'

E502050-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2506102	
Benzene	ND	0.0250	1	02/07/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/07/25	
Toluene	ND	0.0250	1	02/07/25	02/07/25	
o-Xylene	ND	0.0250	1	02/07/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	80.4 %	70-130		02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2506102	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.3 %	70-130		02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2506108	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
<i>Surrogate: n-Nonane</i>	109 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2506103	
Chloride	593	20.0	1	02/07/25	02/07/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 11:13:57AM

FS23 @ 4'

E502050-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506102	
Benzene	ND	0.0250	1	02/07/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/07/25	
Toluene	ND	0.0250	1	02/07/25	02/07/25	
o-Xylene	ND	0.0250	1	02/07/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.5 %	70-130		02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506102	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2506108	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2506103	
Chloride	438	20.0	1	02/07/25	02/07/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 11:13:57AM

FS28 @ 1'

E502050-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506102	
Benzene	ND	0.0250	1	02/07/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/07/25	
Toluene	ND	0.0250	1	02/07/25	02/07/25	
o-Xylene	ND	0.0250	1	02/07/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.7 %	70-130		02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506102	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	70-130		02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2506108	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
<i>Surrogate: n-Nonane</i>						
	112 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2506103	
Chloride	197	20.0	1	02/07/25	02/07/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 11:13:57AM

FS33 @ 2'

E502050-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506102	
Benzene	ND	0.0250	1	02/07/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/07/25	
Toluene	ND	0.0250	1	02/07/25	02/07/25	
o-Xylene	ND	0.0250	1	02/07/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.6 %	70-130		02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506102	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	70-130		02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2506108	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2506103	
Chloride	365	20.0	1	02/07/25	02/07/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 11:13:57AM

SW03A @ 0-1', 0-4'

E502050-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506102	
Benzene	ND	0.0250	1	02/07/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/07/25	
Toluene	ND	0.0250	1	02/07/25	02/07/25	
o-Xylene	ND	0.0250	1	02/07/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.2 %	70-130		02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506102	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.0 %	70-130		02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2506108	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2506103	
Chloride	239	20.0	1	02/07/25	02/07/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/11/2025 11:13:57AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506102-BLK1)

Prepared: 02/06/25 Analyzed: 02/06/25

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	6.95		8.00		86.9	70-130			

LCS (2506102-BS1)

Prepared: 02/06/25 Analyzed: 02/06/25

Benzene	4.92	0.0250	5.00		98.3	70-130			
Ethylbenzene	4.75	0.0250	5.00		95.1	70-130			
Toluene	4.87	0.0250	5.00		97.4	70-130			
o-Xylene	4.75	0.0250	5.00		94.9	70-130			
p,m-Xylene	9.65	0.0500	10.0		96.5	70-130			
Total Xylenes	14.4	0.0250	15.0		96.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.96		8.00		87.1	70-130			

LCS Dup (2506102-BSD1)

Prepared: 02/06/25 Analyzed: 02/07/25

Benzene	4.97	0.0250	5.00		99.3	70-130	1.01	20	
Ethylbenzene	4.79	0.0250	5.00		95.9	70-130	0.806	20	
Toluene	4.92	0.0250	5.00		98.3	70-130	0.931	20	
o-Xylene	4.79	0.0250	5.00		95.8	70-130	0.938	20	
p,m-Xylene	9.73	0.0500	10.0		97.3	70-130	0.847	20	
Total Xylenes	14.5	0.0250	15.0		96.8	70-130	0.877	20	
Surrogate: 4-Bromochlorobenzene-PID	6.90		8.00		86.2	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/11/2025 11:13:57AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506102-BLK1) Prepared: 02/06/25 Analyzed: 02/06/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.4	70-130			

LCS (2506102-BS2) Prepared: 02/06/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	40.3	20.0	50.0		80.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			

LCS Dup (2506102-BSD2) Prepared: 02/06/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	41.9	20.0	50.0		83.8	70-130	4.01	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/11/2025 11:13:57AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506108-BLK1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.5		50.0		113	61-141			

LCS (2506108-BS1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Diesel Range Organics (C10-C28)	276	25.0	250		110	66-144			
Surrogate: n-Nonane	55.8		50.0		112	61-141			

Matrix Spike (2506108-MS1)					Source: E502050-02		Prepared: 02/07/25 Analyzed: 02/07/25		
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.7	56-156			
Surrogate: n-Nonane	51.4		50.0		103	61-141			

Matrix Spike Dup (2506108-MSD1)					Source: E502050-02		Prepared: 02/07/25 Analyzed: 02/07/25		
Diesel Range Organics (C10-C28)	271	25.0	250	ND	109	56-156	9.57	20	
Surrogate: n-Nonane	54.3		50.0		109	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/11/2025 11:13:57AM

Anions by EPA 300.0/9056A

Analyst: AK

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

Blank (2506103-BLK1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Chloride	ND	20.0							
LCS (2506103-BS1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2506103-MS1)					Source: E502050-03		Prepared: 02/07/25 Analyzed: 02/07/25		
Chloride	466	20.0	250	197	107	80-120			
Matrix Spike Dup (2506103-MSD1)					Source: E502050-03		Prepared: 02/07/25 Analyzed: 02/07/25		
Chloride	455	20.0	250	197	103	80-120	2.39	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:	Pinnacle State #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/11/25 11:13

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D		2D		3D		Std	
Project: Pinnacle State #002				Address: 5315 Buena Vista Dr				E502050		01058-0001		X						X	
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dv.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovento@ensolum.com																			
Sample Information												Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA		
1050	2-6-25	S	1	FS22 @ 4'		1						X							
1048	2-6-25	S	1	FS23 @ 4'		2						X							
0823	2-6-25	S	1	FS28 @ 1'		3						X							
1121	2-6-25	S	1	FS33 @ 2'		4						X							
1011	2-6-25	S	1	SW03A @ 0-1', 0-4'		5						X							
Additional Instructions: Please CC: cburton@ensolum.com, agiovento@ensolum.com, jim.raley@dv.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Higinio Gonzalez																			
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: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
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: 2/7/2025 8:13:37AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	02/07/25 07:30	Work Order ID:	E502050
Phone:	(505) 382-1211	Date Logged In:	02/06/25 15:00	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	02/13/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Pinnacle State #002

Work Order: E502055

Job Number: 01058-0007

Received: 2/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/11/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/11/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Pinnacle State #002
Workorder: E502055
Date Received: 2/7/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/7/2025 7:30:00AM, under the Project Name: Pinnacle State #002.

The analytical test results summarized in this report with the Project Name: Pinnacle State #002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/11/25 11:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS24 @ 4'	E502055-01A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS34 @ 4'	E502055-02A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS42 @ 4'	E502055-03A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS44 @ 4'	E502055-04A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS45 @ 1.75'	E502055-05A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS46 @ 1.75'	E502055-06A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
SW08 @ 0-1.75'	E502055-07A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
SW09 @ 0-4'	E502055-08A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS26 @ 4'	E502055-09A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS27 @ 3'	E502055-10A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS29 @ 2.5'	E502055-11A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State #002 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/11/2025 11:16:58AM
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FS24 @ 4'

E502055-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Benzene	ND	0.0250	1	02/07/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/07/25	
Toluene	ND	0.0250	1	02/07/25	02/07/25	
o-Xylene	ND	0.0250	1	02/07/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/07/25	
<i>Surrogate: Bromofluorobenzene</i>		95.0 %	70-130	02/07/25	02/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	02/07/25	02/07/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/07/25	
<i>Surrogate: Bromofluorobenzene</i>		95.0 %	70-130	02/07/25	02/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	02/07/25	02/07/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2506108
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2506112
Chloride	1070	20.0	1	02/07/25	02/07/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 11:16:58AM

FS34 @ 4'

E502055-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Benzene	ND	0.0250	1	02/07/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/07/25	
Toluene	ND	0.0250	1	02/07/25	02/07/25	
o-Xylene	ND	0.0250	1	02/07/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/07/25	
Surrogate: Bromofluorobenzene	94.2 %	70-130		02/07/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		02/07/25	02/07/25	
Surrogate: Toluene-d8	102 %	70-130		02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/07/25	
Surrogate: Bromofluorobenzene	94.2 %	70-130		02/07/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		02/07/25	02/07/25	
Surrogate: Toluene-d8	102 %	70-130		02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2506108
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	93.1 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2506112
Chloride	374	20.0	1	02/07/25	02/07/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 11:16:58AM

FS42 @ 4'

E502055-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Benzene	ND	0.0250	1	02/07/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/08/25	
Toluene	ND	0.0250	1	02/07/25	02/08/25	
o-Xylene	ND	0.0250	1	02/07/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/08/25	
Surrogate: Bromofluorobenzene	95.4 %	70-130		02/07/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		02/07/25	02/08/25	
Surrogate: Toluene-d8	102 %	70-130		02/07/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/08/25	
Surrogate: Bromofluorobenzene	95.4 %	70-130		02/07/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		02/07/25	02/08/25	
Surrogate: Toluene-d8	102 %	70-130		02/07/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2506108
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	100 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2506112
Chloride	544	20.0	1	02/07/25	02/07/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 11:16:58AM

FS44 @ 4'

E502055-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Benzene	ND	0.0250	1	02/07/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/07/25	
Toluene	ND	0.0250	1	02/07/25	02/07/25	
o-Xylene	ND	0.0250	1	02/07/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/07/25	
Surrogate: Bromofluorobenzene	93.2 %	70-130		02/07/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		02/07/25	02/07/25	
Surrogate: Toluene-d8	101 %	70-130		02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/07/25	
Surrogate: Bromofluorobenzene	93.2 %	70-130		02/07/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		02/07/25	02/07/25	
Surrogate: Toluene-d8	101 %	70-130		02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2506108
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	108 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2506112
Chloride	946	20.0	1	02/07/25	02/07/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 11:16:58AM

FS45 @ 1.75'

E502055-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Benzene	ND	0.0250	1	02/07/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/08/25	
Toluene	ND	0.0250	1	02/07/25	02/08/25	
o-Xylene	ND	0.0250	1	02/07/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/08/25	
Surrogate: Bromofluorobenzene	92.7 %	70-130		02/07/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		02/07/25	02/08/25	
Surrogate: Toluene-d8	103 %	70-130		02/07/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/08/25	
Surrogate: Bromofluorobenzene	92.7 %	70-130		02/07/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		02/07/25	02/08/25	
Surrogate: Toluene-d8	103 %	70-130		02/07/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2506108
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	106 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2506112
Chloride	284	20.0	1	02/07/25	02/07/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 11:16:58AM

FS46 @ 1.75'

E502055-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Benzene	ND	0.0250	1	02/07/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/08/25	
Toluene	ND	0.0250	1	02/07/25	02/08/25	
o-Xylene	ND	0.0250	1	02/07/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/08/25	
Surrogate: Bromofluorobenzene	93.9 %	70-130		02/07/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		02/07/25	02/08/25	
Surrogate: Toluene-d8	104 %	70-130		02/07/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/08/25	
Surrogate: Bromofluorobenzene	93.9 %	70-130		02/07/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		02/07/25	02/08/25	
Surrogate: Toluene-d8	104 %	70-130		02/07/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2506108
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	109 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2506112
Chloride	262	20.0	1	02/07/25	02/07/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 11:16:58AM

SW08 @ 0-1.75'

E502055-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Benzene	ND	0.0250	1	02/07/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/08/25	
Toluene	ND	0.0250	1	02/07/25	02/08/25	
o-Xylene	ND	0.0250	1	02/07/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/08/25	
Surrogate: Bromofluorobenzene	93.5 %	70-130		02/07/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		02/07/25	02/08/25	
Surrogate: Toluene-d8	103 %	70-130		02/07/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/08/25	
Surrogate: Bromofluorobenzene	93.5 %	70-130		02/07/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		02/07/25	02/08/25	
Surrogate: Toluene-d8	103 %	70-130		02/07/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2506108
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	113 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2506112
Chloride	223	20.0	1	02/07/25	02/07/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 11:16:58AM

SW09 @ 0-4'

E502055-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Benzene	ND	0.0250	1	02/07/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/08/25	
Toluene	ND	0.0250	1	02/07/25	02/08/25	
o-Xylene	ND	0.0250	1	02/07/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/08/25	
Surrogate: Bromofluorobenzene	92.9 %	70-130		02/07/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		02/07/25	02/08/25	
Surrogate: Toluene-d8	103 %	70-130		02/07/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/08/25	
Surrogate: Bromofluorobenzene	92.9 %	70-130		02/07/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		02/07/25	02/08/25	
Surrogate: Toluene-d8	103 %	70-130		02/07/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2506108
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	104 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2506112
Chloride	266	20.0	1	02/07/25	02/07/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 11:16:58AM

FS26 @ 4'

E502055-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Benzene	ND	0.0250	1	02/07/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/08/25	
Toluene	ND	0.0250	1	02/07/25	02/08/25	
o-Xylene	ND	0.0250	1	02/07/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/08/25	
Surrogate: Bromofluorobenzene	93.7 %	70-130		02/07/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		02/07/25	02/08/25	
Surrogate: Toluene-d8	103 %	70-130		02/07/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/08/25	
Surrogate: Bromofluorobenzene	93.7 %	70-130		02/07/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		02/07/25	02/08/25	
Surrogate: Toluene-d8	103 %	70-130		02/07/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2506108
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	104 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2506112
Chloride	658	20.0	1	02/07/25	02/07/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 11:16:58AM

FS27 @ 3'

E502055-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Benzene	ND	0.0250	1	02/07/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/08/25	
Toluene	ND	0.0250	1	02/07/25	02/08/25	
o-Xylene	ND	0.0250	1	02/07/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/08/25	
Surrogate: Bromofluorobenzene	95.9 %	70-130		02/07/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		02/07/25	02/08/25	
Surrogate: Toluene-d8	102 %	70-130		02/07/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/08/25	
Surrogate: Bromofluorobenzene	95.9 %	70-130		02/07/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		02/07/25	02/08/25	
Surrogate: Toluene-d8	102 %	70-130		02/07/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2506108
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	97.7 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2506112
Chloride	406	20.0	1	02/07/25	02/07/25	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State #002
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/11/2025 11:16:58AM

FS29 @ 2.5'

E502055-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Benzene	ND	0.0250	1	02/07/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/08/25	
Toluene	ND	0.0250	1	02/07/25	02/08/25	
o-Xylene	ND	0.0250	1	02/07/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/08/25	
Surrogate: Bromofluorobenzene	96.9 %	70-130		02/07/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	92.2 %	70-130		02/07/25	02/08/25	
Surrogate: Toluene-d8	103 %	70-130		02/07/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506107
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/08/25	
Surrogate: Bromofluorobenzene	96.9 %	70-130		02/07/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	92.2 %	70-130		02/07/25	02/08/25	
Surrogate: Toluene-d8	103 %	70-130		02/07/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2506108
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	102 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2506112
Chloride	510	20.0	1	02/07/25	02/07/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/11/2025 11:16:58AM

Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506107-BLK1)

Prepared: 02/07/25 Analyzed: 02/07/25

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: Bromofluorobenzene	0.468		0.500		93.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

LCS (2506107-BS1)

Prepared: 02/07/25 Analyzed: 02/07/25

Benzene	2.75	0.0250	2.50		110	70-130			
Ethylbenzene	2.75	0.0250	2.50		110	70-130			
Toluene	2.77	0.0250	2.50		111	70-130			
o-Xylene	2.81	0.0250	2.50		112	70-130			
p,m-Xylene	5.56	0.0500	5.00		111	70-130			
Total Xylenes	8.37	0.0250	7.50		112	70-130			
Surrogate: Bromofluorobenzene	0.474		0.500		94.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

Matrix Spike (2506107-MS1)

Source: E502055-04

Prepared: 02/07/25 Analyzed: 02/07/25

Benzene	2.32	0.0250	2.50	ND	92.8	48-131			
Ethylbenzene	2.31	0.0250	2.50	ND	92.3	45-135			
Toluene	2.33	0.0250	2.50	ND	93.3	48-130			
o-Xylene	2.35	0.0250	2.50	ND	94.1	43-135			
p,m-Xylene	4.67	0.0500	5.00	ND	93.4	43-135			
Total Xylenes	7.02	0.0250	7.50	ND	93.6	43-135			
Surrogate: Bromofluorobenzene	0.470		0.500		93.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

Matrix Spike Dup (2506107-MSD1)

Source: E502055-04

Prepared: 02/07/25 Analyzed: 02/07/25

Benzene	2.40	0.0250	2.50	ND	96.1	48-131	3.51	23	
Ethylbenzene	2.41	0.0250	2.50	ND	96.4	45-135	4.34	27	
Toluene	2.41	0.0250	2.50	ND	96.4	48-130	3.27	24	
o-Xylene	2.43	0.0250	2.50	ND	97.3	43-135	3.43	27	
p,m-Xylene	4.84	0.0500	5.00	ND	96.8	43-135	3.55	27	
Total Xylenes	7.27	0.0250	7.50	ND	97.0	43-135	3.51	27	
Surrogate: Bromofluorobenzene	0.476		0.500		95.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.525		0.500		105	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/11/2025 11:16:58AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506107-BLK1)

Prepared: 02/07/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.468		0.500		93.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

LCS (2506107-BS2)

Prepared: 02/07/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0		94.2	70-130			
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

Matrix Spike (2506107-MS2)

Source: E502055-04

Prepared: 02/07/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.1	70-130			
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

Matrix Spike Dup (2506107-MSD2)

Source: E502055-04

Prepared: 02/07/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	99.9	70-130	2.88	20	
Surrogate: Bromofluorobenzene	0.485		0.500		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/11/2025 11:16:58AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506108-BLK1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.5		50.0		113	61-141			

LCS (2506108-BS1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Diesel Range Organics (C10-C28)	276	25.0	250		110	66-144			
Surrogate: n-Nonane	55.8		50.0		112	61-141			

Matrix Spike (2506108-MS1)					Source: E502050-02		Prepared: 02/07/25 Analyzed: 02/07/25		
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.7	56-156			
Surrogate: n-Nonane	51.4		50.0		103	61-141			

Matrix Spike Dup (2506108-MSD1)					Source: E502050-02		Prepared: 02/07/25 Analyzed: 02/07/25		
Diesel Range Organics (C10-C28)	271	25.0	250	ND	109	56-156	9.57	20	
Surrogate: n-Nonane	54.3		50.0		109	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State #002	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/11/2025 11:16:58AM

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 (2506112-BLK1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Chloride	ND	20.0							
LCS (2506112-BS1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2506112-MS1)					Source: E502055-05		Prepared: 02/07/25 Analyzed: 02/07/25		
Chloride	552	20.0	250	284	107	80-120			
Matrix Spike Dup (2506112-MSD1)					Source: E502055-05		Prepared: 02/07/25 Analyzed: 02/07/25		
Chloride	533	20.0	250	284	99.6	80-120	3.50	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:	Pinnacle State #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/11/25 11:16

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

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

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



Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon Energy		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: Pinnacle State #002				Address: 5315 Buena Vista Dr		E502055		23003-002				X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: (575)689-7597													
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dv.com													
Phone: 575-988-0055				Miscellaneous: Jim Raley													
Email: agiovento@ensolum.com																	
Sample Information										Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8160	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
10:18	2/5/2025	S	1	FS24 @ 4'		1						X					
9:55	2/5/2025	S	1	FS34 @ 4'		2						X					
10:21	2/5/2025	S	1	FS42 @ 4'		3						X					
10:20	2/5/2025	S	1	FS44 @ 4'		4						X					
11:12	2/5/2025	S	1	FS45 @ 1.75'		5						X					
11:13	2/5/2025	S	1	FS46 @ 1.75'		6						X					
11:30	2/5/2025	S	1	SW08 @ 0-1.75'		7						X					
11:00	2/5/2025	SD	1	SW09 @ 0-4'		8						X					
15:52	2/5/2025	S	1	FS26 @ 4'		9						X					
15:40	2/5/2025	S	1	FS27 @ 3'		10						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovento@ensolum.com, jim.raley@dv.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, igonzalez@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: J. Higinio Gonzalez																	
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: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
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.																	



Chain of Custody

Page 22 of 23

Envirotech Analytical Laboratory

Printed: 2/7/2025 8:36:12AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	02/07/25 07:30	Work Order ID:	E502055
Phone:	(505) 382-1211	Date Logged In:	02/06/25 15:23	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	02/13/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: Pinnacle State 2

Work Order: E502204

Job Number: 01058-0007

Received: 2/22/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/26/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/26/25

Ashley Giovengo
5315 Buena Vista Dr
Carlsbad, NM 88220



Project Name: Pinnacle State 2
Workorder: E502204
Date Received: 2/22/2025 5:00:10AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/22/2025 5:00:10AM, under the Project Name: Pinnacle State 2.

The analytical test results summarized in this report with the Project Name: Pinnacle State 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	02/26/25 12:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS41-4'	E502204-01A	Soil	02/21/25	02/22/25	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Pinnacle State 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/26/2025 12:20:53PM
--	--	-----------------------------------

FS41-4'

E502204-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2508126	
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		02/22/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2508126	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	84.4 %	70-130		02/22/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2508136	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
Surrogate: n-Nonane	108 %	61-141		02/22/25	02/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2509002	
Chloride	630	20.0	1	02/23/25	02/23/25	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	2/26/2025 12:20:53PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508126-BLK1)

Prepared: 02/22/25 Analyzed: 02/22/25

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	7.89		8.00		98.7	70-130			

LCS (2508126-BS1)

Prepared: 02/22/25 Analyzed: 02/22/25

Benzene	5.27	0.0250	5.00		105	70-130			
Ethylbenzene	5.15	0.0250	5.00		103	70-130			
Toluene	5.24	0.0250	5.00		105	70-130			
o-Xylene	5.21	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	8.02		8.00		100	70-130			

Matrix Spike (2508126-MS1)

Source: E502205-05

Prepared: 02/22/25 Analyzed: 02/22/25

Benzene	5.28	0.0250	5.00	ND	106	54-133			
Ethylbenzene	5.15	0.0250	5.00	ND	103	61-133			
Toluene	5.24	0.0250	5.00	ND	105	61-130			
o-Xylene	5.22	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.12		8.00		102	70-130			

Matrix Spike Dup (2508126-MSD1)

Source: E502205-05

Prepared: 02/22/25 Analyzed: 02/22/25

Benzene	5.62	0.0250	5.00	ND	112	54-133	6.28	20	
Ethylbenzene	5.49	0.0250	5.00	ND	110	61-133	6.47	20	
Toluene	5.58	0.0250	5.00	ND	112	61-130	6.32	20	
o-Xylene	5.54	0.0250	5.00	ND	111	63-131	5.89	20	
p,m-Xylene	11.2	0.0500	10.0	ND	112	63-131	6.25	20	
Total Xylenes	16.7	0.0250	15.0	ND	111	63-131	6.13	20	
Surrogate: 4-Bromochlorobenzene-PID	8.19		8.00		102	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	2/26/2025 12:20:53PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508126-BLK1) Prepared: 02/22/25 Analyzed: 02/22/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.79		8.00		84.9	70-130			

LCS (2508126-BS2) Prepared: 02/22/25 Analyzed: 02/22/25

Gasoline Range Organics (C6-C10)	41.9	20.0	50.0		83.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.96		8.00		87.0	70-130			

Matrix Spike (2508126-MS2) Source: E502205-05 Prepared: 02/22/25 Analyzed: 02/22/25

Gasoline Range Organics (C6-C10)	41.1	20.0	50.0	ND	82.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.89		8.00		86.1	70-130			

Matrix Spike Dup (2508126-MSD2) Source: E502205-05 Prepared: 02/22/25 Analyzed: 02/22/25

Gasoline Range Organics (C6-C10)	41.6	20.0	50.0	ND	83.2	70-130	1.22	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.3	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	2/26/2025 12:20:53PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508136-BLK1)					Prepared: 02/22/25 Analyzed: 02/23/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.8		50.0		102	61-141			

LCS (2508136-BS1)					Prepared: 02/22/25 Analyzed: 02/23/25				
Diesel Range Organics (C10-C28)	237	25.0	250		94.9	66-144			
Surrogate: n-Nonane	51.5		50.0		103	61-141			

Matrix Spike (2508136-MS1)					Source: E502204-01		Prepared: 02/22/25 Analyzed: 02/23/25		
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	56-156			
Surrogate: n-Nonane	56.6		50.0		113	61-141			

Matrix Spike Dup (2508136-MSD1)					Source: E502204-01		Prepared: 02/22/25 Analyzed: 02/23/25		
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.4	56-156	8.82	20	
Surrogate: n-Nonane	54.0		50.0		108	61-141			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Pinnacle State 2	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	2/26/2025 12:20:53PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2509002-BLK1)					Prepared: 02/23/25 Analyzed: 02/23/25				
Chloride	ND	20.0							
LCS (2509002-BS1)					Prepared: 02/23/25 Analyzed: 02/23/25				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2509002-MS1)					Source: E502205-11		Prepared: 02/23/25 Analyzed: 02/23/25		
Chloride	1560	20.0	250	1370	77.5	80-120			M4
Matrix Spike Dup (2509002-MSD1)					Source: E502205-11		Prepared: 02/23/25 Analyzed: 02/23/25		
Chloride	1580	20.0	250	1370	86.8	80-120	1.47	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:	Pinnacle State 2	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	02/26/25 12:20

- 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.



[illegible]

Envirotech Analytical Laboratory

Printed: 2/24/2025 2:57:24PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	WPX Energy - Carlsbad	Date Received:	02/22/25 05:00	Work Order ID:	E502204
Phone:	(539) 573-4018	Date Logged In:	02/21/25 15:35	Logged In By:	Noe Soto
Email:	ashley.giovengo@wesominc.com	Due Date:	02/28/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



APPENDIX E

NMSLO Cultural Resources Cover Sheet



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

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number:

(if applicable)

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):

Cultural Resources Consultant:

Project Proponent (Applicant):

Project Title/Description:

Project Location:

County(ies):

PLSS/Section/Township/Range):

For NMSLO Agency Use Only:

NMSLO Lease Number:

Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

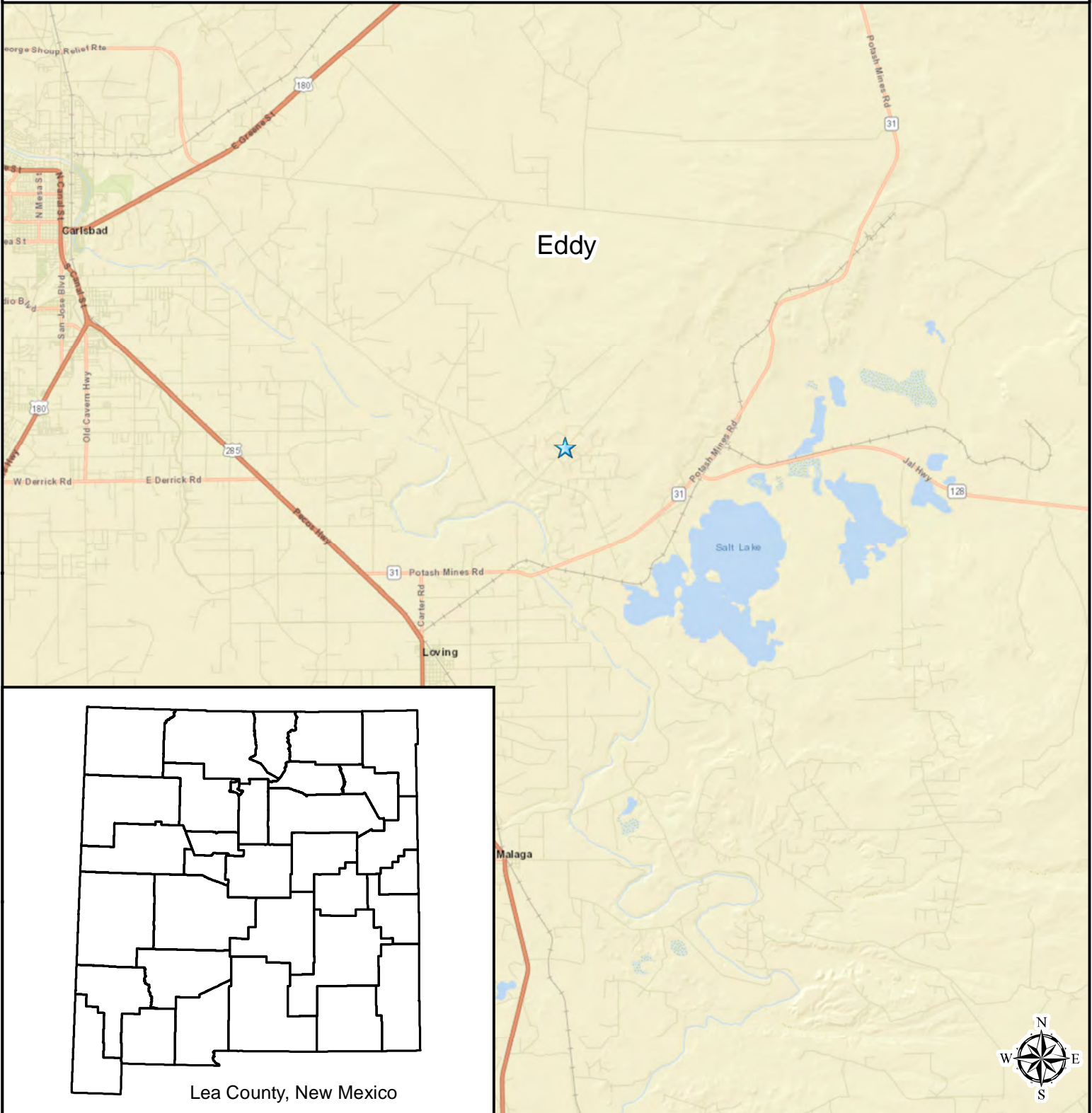
No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22



Beaver Creek ARCHAEOLOGY

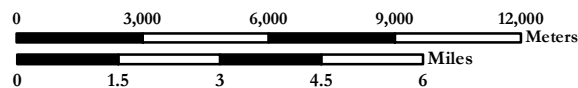
WPX's Pinnacle State #002
Ensolum, LLC
T22S R28E Sec. 35 & 36
Loving(1985) Quad. Map
Upper Pecos-Black Drainage
Eddy County, New Mexico



Legend



Project Location



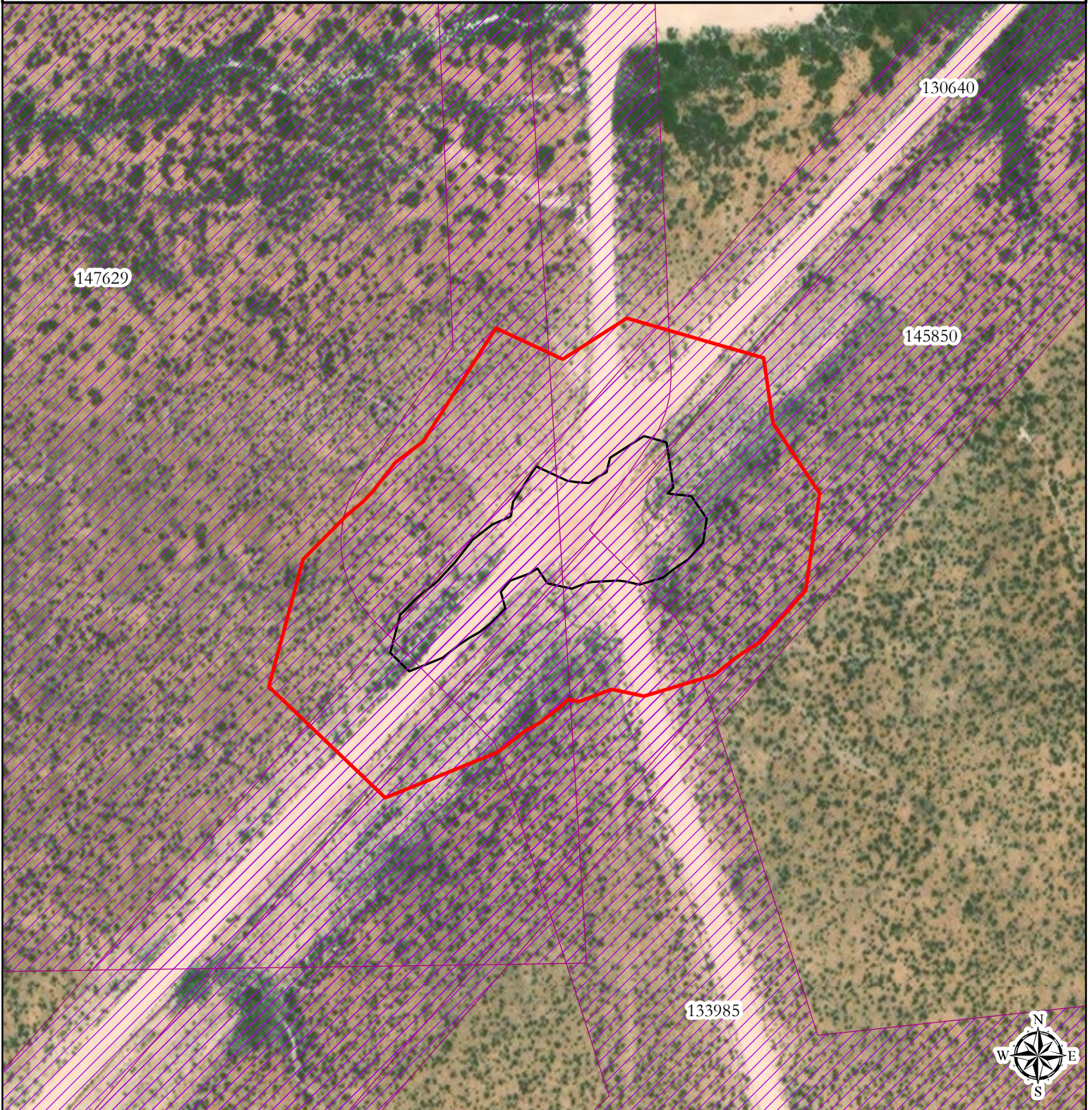
Base Map: USGS 7.5'
Scale: 1:180,000
UTM NAD83 Zone 13






Beaver Creek
ARCHAEOLOGY

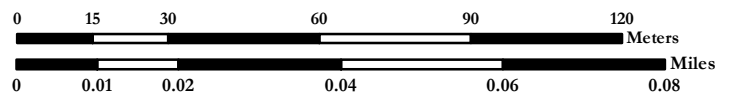
REDACTED

WPX's Pinnacle State #002
Ensolum, LLC
T22S R28E Sec. 35 & 36
Loving(1985) Quad. Map
Upper Pecos-Black Drainage
Eddy County, New Mexico



Legend

-  Inventory Area (3 Acres)
-  Previously Surveyed (3 Acres)
-  Workspace Limits (0.6 Acres)



Base Map: USGS 7.5'
Scale: 1:1,500
UTM NAD83 Zone 13

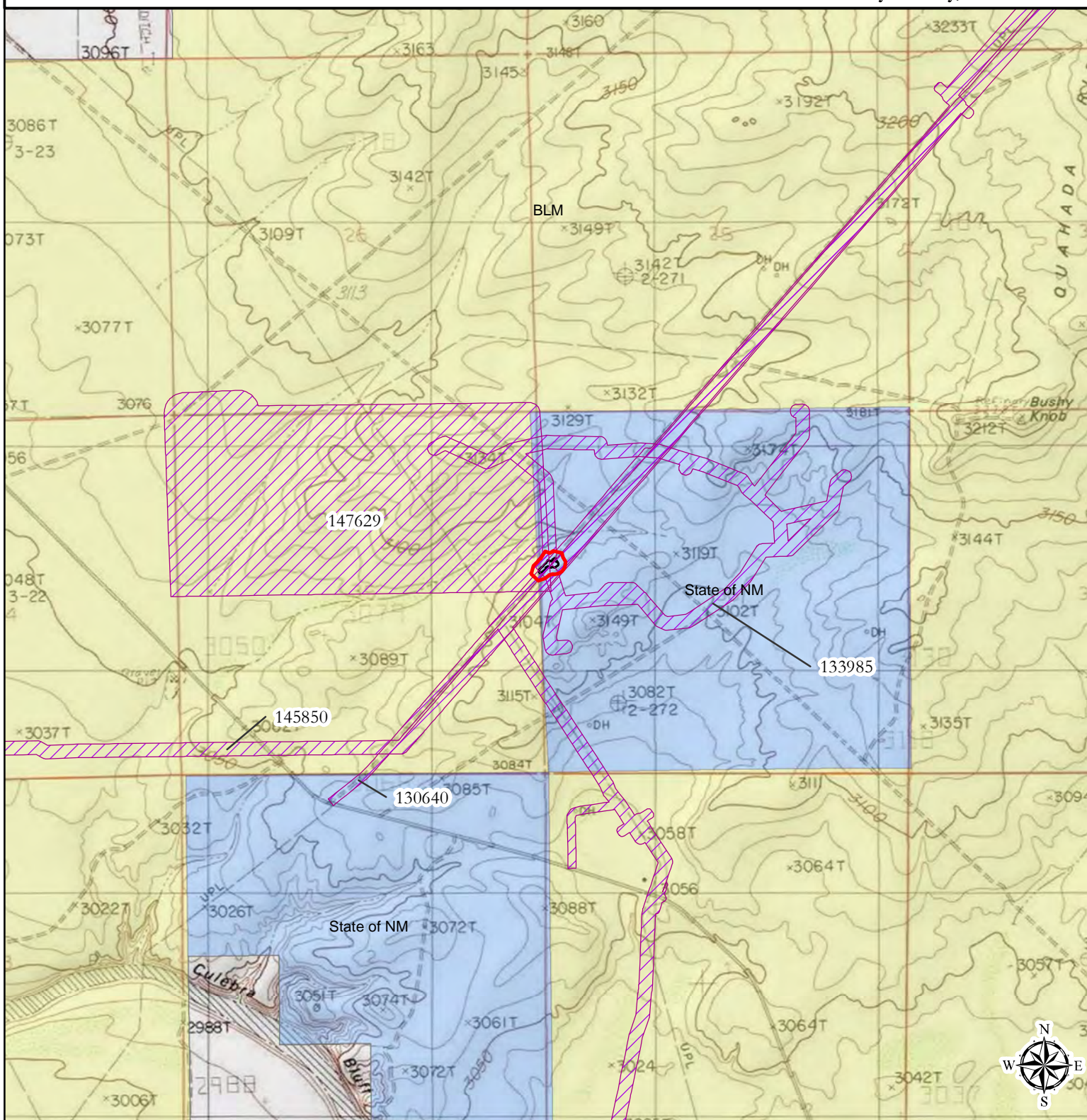
MS



Beaver Creek ARCHAEOLOGY

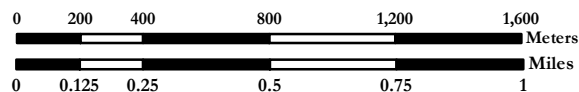
REDACTED

WPX's Pinnacle State #002
Ensolum, LLC
T22S R28E Sec. 35 & 36
Loving(1985) Quad. Map
Upper Pecos-Black Drainage
Eddy County, New Mexico



Legend

- Inventory Area (3 Acres)
- Previously Surveyed (3 Acres)
- Workspace Limits (0.6 Acres)



Base Map: USGS 7.5'
Scale: 1:24,000
UTM NAD83 Zone 13



APPENDIX F

NMOCD Correspondence

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 421074

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 421074
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1732450165
Incident Name	NAB1732450165 PINNACLE STATE #002 @ 30-015-27071
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-27071] PINNACLE STATE #002

Location of Release Source	
Site Name	PINNACLE STATE #002
Date Release Discovered	11/02/2017
Surface Owner	State

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	8,859
What is the estimated number of samples that will be gathered	55
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/20/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Jimmy Gonzalez @ 575-909-3249
Please provide any information necessary for navigation to sampling site	32.350430, -104.049070

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 421074

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 421074
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	1/15/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 421095

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 421095
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1732450165
Incident Name	NAB1732450165 PINNACLE STATE #002 @ 30-015-27071
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-27071] PINNACLE STATE #002

Location of Release Source	
Site Name	PINNACLE STATE #002
Date Release Discovered	11/02/2017
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,859
What is the estimated number of samples that will be gathered	55
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/21/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Jimmy Gonzalez @ 575-909-3249
Please provide any information necessary for navigation to sampling site	32.350430, -104.049070

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

CONDITIONS

Action 421095

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 421095
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	1/15/2025

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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 421102

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 421102
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1732450165
Incident Name	NAB1732450165 PINNACLE STATE #002 @ 30-015-27071
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-27071] PINNACLE STATE #002

Location of Release Source	
Site Name	PINNACLE STATE #002
Date Release Discovered	11/02/2017
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,859
What is the estimated number of samples that will be gathered	55
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/22/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contract Jimmy Gonzalez @ 575-909-3249
Please provide any information necessary for navigation to sampling site	32.350430, -104.049070

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 421102

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 421102
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	1/15/2025

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State of New Mexico
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1220 S. St Francis Dr.
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QUESTIONS

Action 421105

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 421105
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1732450165
Incident Name	NAB1732450165 PINNACLE STATE #002 @ 30-015-27071
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-27071] PINNACLE STATE #002

Location of Release Source	
Site Name	PINNACLE STATE #002
Date Release Discovered	11/02/2017
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,859
What is the estimated number of samples that will be gathered	55
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/23/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Jimmy Gonzalez @ 575-909-3249
Please provide any information necessary for navigation to sampling site	32.350430, -104.049070

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 421105

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 421105
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	1/15/2025

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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 421111

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 421111
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1732450165
Incident Name	NAB1732450165 PINNACLE STATE #002 @ 30-015-27071
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-27071] PINNACLE STATE #002

Location of Release Source	
Site Name	PINNACLE STATE #002
Date Release Discovered	11/02/2017
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,859
What is the estimated number of samples that will be gathered	55
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/24/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Jimmy Gonzalez @ 575-909-3249
Please provide any information necessary for navigation to sampling site	32.350430, -104.049070

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Santa Fe, NM 87505

CONDITIONS

Action 421111

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 421111
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	1/15/2025

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QUESTIONS

Action 421119

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 421119
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1732450165
Incident Name	NAB1732450165 PINNACLE STATE #002 @ 30-015-27071
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-27071] PINNACLE STATE #002

Location of Release Source	
Site Name	PINNACLE STATE #002
Date Release Discovered	11/02/2017
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,859
What is the estimated number of samples that will be gathered	55
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/27/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Jimmy Gonzalez @ 575-909-3249
Please provide any information necessary for navigation to sampling site	32.350430, -104.049070

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State of New Mexico
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 421119

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 421119
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	1/15/2025

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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 425064

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 425064
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1732450165
Incident Name	NAB1732450165 PINNACLE STATE #002 @ 30-015-27071
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-27071] PINNACLE STATE #002

Location of Release Source	
Site Name	PINNACLE STATE #002
Date Release Discovered	11/02/2017
Surface Owner	State

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	8,859
What is the estimated number of samples that will be gathered	55
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/28/2025
Time sampling will commence	09:00 AM
 Warning: Notification can not be less than two business days prior to conducting final sampling. 	
Please provide any information necessary for observers to contact samplers	Please Contact Jimmy Gonzalez @ 575-903-3249
Please provide any information necessary for navigation to sampling site	32.350430, -104.049070

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

CONDITIONS

Action 425064

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 425064
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	1/27/2025

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Santa Fe, NM 87505

QUESTIONS

Action 425065

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 425065
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1732450165
Incident Name	NAB1732450165 PINNACLE STATE #002 @ 30-015-27071
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-27071] PINNACLE STATE #002

Location of Release Source	
Site Name	PINNACLE STATE #002
Date Release Discovered	11/02/2017
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,859
What is the estimated number of samples that will be gathered	55
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/29/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Jimmy Gonzalez @ 575-903-3249
Please provide any information necessary for navigation to sampling site	32.350430, -104.049070

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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

Action 425065

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 425065
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	1/27/2025

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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 425066

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 425066
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1732450165
Incident Name	NAB1732450165 PINNACLE STATE #002 @ 30-015-27071
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-27071] PINNACLE STATE #002

Location of Release Source	
Site Name	PINNACLE STATE #002
Date Release Discovered	11/02/2017
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,859
What is the estimated number of samples that will be gathered	55
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/30/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Jimmy Gonzalez @ 575-903-3249
Please provide any information necessary for navigation to sampling site	32.350430, -104.049070

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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.
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CONDITIONS

Action 425066

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 425066
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	1/27/2025

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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QUESTIONS

Action 425067

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 425067
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1732450165
Incident Name	NAB1732450165 PINNACLE STATE #002 @ 30-015-27071
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-27071] PINNACLE STATE #002

Location of Release Source	
Site Name	PINNACLE STATE #002
Date Release Discovered	11/02/2017
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,859
What is the estimated number of samples that will be gathered	55
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/31/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Jimmy Gonzalez @ 575-903-3249
Please provide any information necessary for navigation to sampling site	32.350430, -104.049070

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Phone: (505) 476-3441

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Phone: (505) 629-6116

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

CONDITIONS

Action 425067

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 425067
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	1/27/2025

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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 426822

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 426822
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1732450165
Incident Name	NAB1732450165 PINNACLE STATE #002 @ 30-015-27071
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-27071] PINNACLE STATE #002

Location of Release Source	
Site Name	PINNACLE STATE #002
Date Release Discovered	11/02/2017
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,859
What is the estimated number of samples that will be gathered	55
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/03/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Jimmy Gonzalez @ 575-903-3249
Please provide any information necessary for navigation to sampling site	32.350430, 104.049070

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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 426822

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 426822
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	1/30/2025

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State of New Mexico
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1220 S. St Francis Dr.
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QUESTIONS

Action 426828

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 426828
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1732450165
Incident Name	NAB1732450165 PINNACLE STATE #002 @ 30-015-27071
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-27071] PINNACLE STATE #002

Location of Release Source	
Site Name	PINNACLE STATE #002
Date Release Discovered	11/02/2017
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,859
What is the estimated number of samples that will be gathered	55
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/04/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Jimmy Gonzalez @ 575-903-3249
Please provide any information necessary for navigation to sampling site	32.350430, 104.049070

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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 426828

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 426828
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	1/30/2025

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Oil Conservation Division
1220 S. St Francis Dr.
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QUESTIONS

Action 426830

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 426830
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1732450165
Incident Name	NAB1732450165 PINNACLE STATE #002 @ 30-015-27071
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-27071] PINNACLE STATE #002

Location of Release Source	
Site Name	PINNACLE STATE #002
Date Release Discovered	11/02/2017
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,859
What is the estimated number of samples that will be gathered	55
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/05/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Jimmy Gonzalez @ 575-903-3249
Please provide any information necessary for navigation to sampling site	32.350430, 104.049070

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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 426830

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 426830
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	1/30/2025

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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 426833

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 426833
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1732450165
Incident Name	NAB1732450165 PINNACLE STATE #002 @ 30-015-27071
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-27071] PINNACLE STATE #002

Location of Release Source	
Site Name	PINNACLE STATE #002
Date Release Discovered	11/02/2017
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,859
What is the estimated number of samples that will be gathered	55
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/06/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Jimmy Gonzalez @ 575-903-3249
Please provide any information necessary for navigation to sampling site	32.350430, 104.049070

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

CONDITIONS

Action 426833

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 426833
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	1/30/2025

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

QUESTIONS

Action 426834

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 426834
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1732450165
Incident Name	NAB1732450165 PINNACLE STATE #002 @ 30-015-27071
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-27071] PINNACLE STATE #002

Location of Release Source	
Site Name	PINNACLE STATE #002
Date Release Discovered	11/02/2017
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,859
What is the estimated number of samples that will be gathered	55
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/07/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Jimmy Gonzalez @ 575-903-3249
Please provide any information necessary for navigation to sampling site	32.350430, 104.049070

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CONDITIONS

Action 426834

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 426834
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	1/30/2025

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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 433305

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 433305
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1732450165
Incident Name	NAB1732450165 PINNACLE STATE #002 @ 30-015-27071
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-27071] PINNACLE STATE #002

Location of Release Source	
Site Name	PINNACLE STATE #002
Date Release Discovered	11/02/2017
Surface Owner	State

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	200
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/21/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Cole Burton @ 575-706-5056
Please provide any information necessary for navigation to sampling site	32.350430, -104.049070

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

CONDITIONS

Action 433305

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 433305
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	2/18/2025

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Monday, May 14, 2018 1:21 PM
To: 'Raley, Jim'; Weaver, Crystal, EMNRD; Blaney, Karolina; MNaranjo@slo.state.nm.us
Subject: RE: Pinnacle State 2 spill - C-141 report

RE: RKI E&P (WPX) * Pinnacle St 2 * **RP-4492** * DOR: 11/2/17

Jim,

Your proposal for additional delineation is approved. Please advise once this activity has been scheduled.

Thank you,

Mike Bratcher
NMOCD District 2
811 South First Street
Artesia, NM 88210
575-748-1283 Ext 108

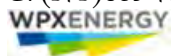
OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Raley, Jim <James.Raley@wpxenergy.com>
Sent: Friday, March 23, 2018 1:34 PM
To: Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Blaney, Karolina <Karolina.Blaney@wpxenergy.com>; MNaranjo@slo.state.nm.us
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: RE: Pinnacle State 2 spill - C-141 report

RE: WPX/RKI * Pinnacle State #2 * 30-015-27071 * 2RP-4492

Ms. Weaver,
Please find attached characterization proposal and work plan update for this incident.

Jim Raley | Environmental Specialist - Permian Basin
5315 Buena Vista Dr., Carlsbad, NM 88220
C: (575)689-7597 | james.ralej@wpxenergy.com



From: Weaver, Crystal, EMNRD [<mailto:Crystal.Weaver@state.nm.us>]
Sent: Monday, March 12, 2018 3:49 PM
To: Raley, Jim <James.Raley@wpxenergy.com>; Blaney, Karolina <Karolina.Blaney@wpxenergy.com>; MNaranjo@slo.state.nm.us

Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: RE: [EXTERNAL] RE: Pinnacle State 2 spill - C-141 report

Jim,

Where are you all at on this one? OCD would like to hopefully see a work plan on it no later than 3/23/18.

Thank you,

Crystal Weaver

Environmental Specialist
OCD – Artesia District II
811 S. 1st Street
Artesia, NM 88210
Office: 575-748-1283 ext. 101
Cell: 575-840-5963
Fax: 575-748-9720

From: Weaver, Crystal, EMNRD
Sent: Friday, January 5, 2018 4:25 PM
To: 'Raley, Jim' <James.Raley@wpenergy.com>; Blaney, Karolina <Karolina.Blaney@wpenergy.com>; 'Groves, Amber' <agroves@slo.state.nm.us>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: RE: [EXTERNAL] RE: Pinnacle State 2 spill - C-141 report

Jim,

Thank you for the update and the response. I agree that concluding on a groundwater depth for that area may be difficult. We look forward to seeing your further sampling results in the next stage of this project.

Sincerely,

Crystal Weaver

Environmental Specialist
OCD – Artesia District II
811 S. 1st Street
Artesia, NM 88210
Office: 575-748-1283 ext. 101
Cell: 575-840-5963
Fax: 575-748-9720

From: Raley, Jim [<mailto:James.Raley@wpxenergy.com>]
Sent: Friday, January 5, 2018 10:18 AM
To: Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Blaney, Karolina <Karolina.Blaney@wpxenergy.com>; 'Groves, Amber' <agroves@slo.state.nm.us>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: RE: [EXTERNAL] RE: Pinnacle State 2 spill - C-141 report

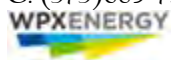
RE: WPX/RKI * Pinnacle State #2 * 30-015-27071 * 2RP-4492

Attached is the plan of action for the Pinnacle State #2 produced water release that occurred on 11/2/2017

Please let me know if you have any questions or concerns.

Thank you,

Jim Raley | Environmental Specialist - Permian Basin
5315 Buena Vista Dr., Carlsbad, NM 88220
C: (575)689-7597 | james.ralej@wpxenergy.com



From: Weaver, Crystal, EMNRD [<mailto:Crystal.Weaver@state.nm.us>]
Sent: Wednesday, December 27, 2017 11:02 AM
To: Blaney, Karolina <Karolina.Blaney@wpxenergy.com>; 'Groves, Amber' <agroves@slo.state.nm.us>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Raley, Jim <James.Raley@wpxenergy.com>
Subject: [EXTERNAL] RE: Pinnacle State 2 spill - C-141 report

CAUTION: This email was sent from an EXTERNAL source. Use caution when clicking links or opening attachments.

RE: WPX/RKI * Pinnacle State #2 * 30-015-27071 * 2RP-4492

Karolina,

I have included a scanned copy of the signed Initial C-141 Remediation Permit along with an attached Conditions of Approval (COA). The OCD tracking number for this event is 2RP-4492, please refer to this tracking number on any and all submissions sent in to the OCD. Please remit a site characterization plan (see COA document included in attachment) or advise OCD of plan of action by no later than 1/5/18.

Thank you,

Crystal Weaver

Environmental Specialist
OCD – Artesia District II
811 S. 1st Street
Artesia, NM 88210
Office: 575-748-1283 ext. 101
Cell: 575-840-5963

Fax: 575-748-9720

From: Blaney, Karolina [<mailto:Karolina.Blaney@wpxenergy.com>]
Sent: Friday, November 17, 2017 1:59 PM
To: 'Groves, Amber' <agroves@slo.state.nm.us>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Raley, Jim <James.Raley@wpxenergy.com>
Subject: Pinnacle State 2 spill - C-141 report

Good afternoon,
Attached is the C-141 report for the spill that occurred south of the Pinnacle 2 well pad.
Please let me know if you have any questions or concerns.
Thank you and have a great weekend,

Karolina Blaney
Environmental Specialist
WPX Energy
Office: (575) 885-7514
Cell: (970) 589-0743
karolina.blaney@wpxenergy.com

From: Blaney, Karolina
Sent: Friday, November 03, 2017 11:50 AM
To: Groves, Amber <agroves@slo.state.nm.us>; 'Weaver, Crystal, EMNRD' <Crystal.Weaver@state.nm.us>
Cc: 'Bratcher, Mike, EMNRD' <mike.bratcher@state.nm.us>; Raley, Jim <james.raleigh@wpxenergy.com>
Subject: Pinnacle State 2 spill - initial notification

Good morning,

WPX had a spill yesterday evening, 11/2/17, at 6pm. The spill occurred on a lease road south of the Pinnacle State 2 well pad (API # 30-015- 27071), coordinates of the spill: 32.35043, -104.04907. It appears that heavy equipment (i.e. low boy trailer) damaged a surface poly line which resulted in ~18 bbl spill of produced water. 13 bbls were recovered with a vacuum truck.

The spill will be cleaned up as soon as the line locates are completed. The C-141 report will be submitted by 11/17/17.
Please do not hesitate to contact me if you have any questions.
Thank you,

Karolina Blaney
Environmental Specialist
WPX Energy
Office: (575) 885-7514
Cell: (970) 589-0743
karolina.blaney@wpxenergy.com

Sante Fe Main Office
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

QUESTIONS

Action 438726

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 438726
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1732450165
Incident Name	NAB1732450165 PINNACLE STATE #002 @ 30-015-27071
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-27071] PINNACLE STATE #002

Location of Release Source

Please answer all the questions in this group.

Site Name	PINNACLE STATE #002
Date Release Discovered	11/02/2017
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: Equipment Failure Flow Line - Production Produced Water Released: 18 BBL Recovered: 13 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, Page 2

Action 438726

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 438726
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>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.</i>	

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	<i>Not answered.</i>

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@dvni.com Date: 03/04/2025
--	---

Sante Fe Main Office
Phone: (505) 476-3441

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

QUESTIONS, Page 3

Action 438726

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 438726
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (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 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>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.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>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.</i>	
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)	2800
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	39.8
GRO+DRO (EPA SW-846 Method 8015M)	39.8
BTEX (EPA SW-846 Method 8021B or 8260B)	0.2
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>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>	
On what estimated date will the remediation commence	01/28/2025
On what date will (or did) the final sampling or liner inspection occur	02/21/2025
On what date will (or was) the remediation complete(d)	02/21/2025
What is the estimated surface area (in square feet) that will be reclaimed	8816
What is the estimated volume (in cubic yards) that will be reclaimed	680
What is the estimated surface area (in square feet) that will be remediated	8816
What is the estimated volume (in cubic yards) that will be remediated	680
<i>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.</i>	
<i>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.</i>	

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QUESTIONS, Page 4

Action 438726

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 438726
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	LEA LAND LANDFILL [fEEM0112342028]
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	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>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>	
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@dv.com Date: 03/04/2025
<i>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.</i>	

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

QUESTIONS, Page 5

Action 438726

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 438726
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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

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>

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QUESTIONS, Page 6

Action 438726

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 438726
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	433305
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/21/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	8816
What was the total volume (cubic yards) remediated	680
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	8816
What was the total volume (in cubic yards) reclaimed	680
Summarize any additional remediation activities not included by answers (above)	The impacted area was reclaimed in accordance with the reclamation requirement.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 03/04/2025

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Action 438726

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 438726
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 438726

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 438726
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation closure approved.	3/14/2025
amaxwell	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	3/14/2025