Dominion Energy Services, Inc.
120 Tredegar Street, Richmond, VA 23219
DominionEnergy.com

BY EMAIL

July 25, 2025

Mr. Jim Datko, P.E.
Virginia Department of Environmental Quality – Northern Regional Office
Division of Land Protection & Revitalization
13901 Crown Court
Woodbridge, Virginia 22193
james.datko@deq.virginia.gov

RE: Possum Point Power Station Pond D, Solid Waste Permit No. 617: 2025 1st Semi-Annual Groundwater Monitoring Report

Dear Mr. Datko:

In accordance with Permit Module XI.J.1.b, Virginia Electric and Power Company (Dominion Energy) is providing the attached 2025 First Semi-Annual Groundwater Monitoring Report for Possum Point Power Station Pond D. The first semi-annual groundwater sampling event was conducted on February 18-20, 2025, and analytical laboratory results were received on March 27, 2025. A summary of results for this sampling event is attached utilizing the Virginia Department of Environmental Quality (DEQ) Semi-Annual Report Submission Instructions and associated report form.

If you have any questions regarding this submittal, please contact Kelly Hicks at (804) 273-4903 or via email at kelly.a.hicks@dominionenergy.com.

Sincerely,

Dennis A. Slade
Manager, Environmental

Attachments

ecc:
Geoff Christe, DEQ Central Office – geoff.christe@deq.virginia.gov

Semi-Annual Groundwater Monitoring Report

DEQ Virginia Department of Environmental Quality	1] DEQ Region: Northern	2] Date: July 25, 2025
	3] Solid Waste Permit Number: **617**	
4] Facility Name: **Pond D Possum Point Power Station**		5] Landfill Type: CCR Surface Impoundment
6] Operational Status: Active		
7] GW Program: Modified Assessment Monitoring	8] GPS Status: Established	
9] Simplified Site Location Description: The Possum Point PowerStation is located in Prince William County at 19000 Possum Point Road, Dumfries, Virginia. As shown on Figure 1, the Station is located immediately west of the Potomac River and north of Quantico Creek. Pond D is located on the Station property immediately west of Cockpit Point Road.	10] Simplified Bedrock Type Discussion: The geologic stratigraphy from the ground surface down consists of: - Transgressive and regressive unconsolidated sediments - unconsolidated and consist of clays, silts, poorly- to well-sorted sands, and gravel that exist as interbedded, discontinuous, horizontal layers across the site that overlie the Potomac Confining Unit	
11] Physiographic setting: Coastal Plain	12] Aquifer Type: Unconfined	
13] # of Compliance Wells: 8	14] # of Upgradient Wells: 2	
	15] # of Downgradient Wells: 6	
16]# of Corrective Action Wells: 0	17] # of Performance Wells: 0	
	18] # of Sentinel Wells: 1	

Aquifer Specifics	
19] Were groundwater elevations measured at each monitoring well?	Yes
20] List the well pair(s) used to calculate groundwater flow rate?	ED-1612 to ED-1606
21] The calculated groundwater flow rate (given in feet per year)	16
22] Direction(s) of groundwater flow on site:	South, toward topographic lows
Groundwater Sampling Specifics	
23] Date GW was sampled pursuant to 9 VAC 20-81-250 B or C?	February 18-20, 2025
24] Were all wells secured/locked prior to sampling?	Yes
25] Were all wells purged prior to sampling?	Yes
26] Were any compliance wells unable to be sampled?	No
For wells which could not be sampled during the compliance event; provide the non-performance reason below and note whether this was a first time occurrence, or whether it has been observed on site before with the particular well in question.	
26-a] External damage to the well? (Initial occurrence?)	NA
26-b] Internal damage to the well? (Initial occurrence?)	NA
26-c] Failure to yield sampling volume after purging. (Initial occurrence?)	NA
26-d] Well dry, could not be purged? (Initial occurrence?)	NA
Analytical Lab Information	
27] Date GW samples sent to analytical lab:	February 18-20, 2025
28] Were samples submitted under Chain of Custody?	Yes
29] Date GW samples rec'd at analytical lab:	February 19-21, 2025
30] Were any problems noted with the samples upon rec'pt at lab?	No
31] Were samples analyzed using SW-846 (as updated) methods?	Yes
32] Date signed/certified analytical report issued by lab:	March 27, 2025
33] Date signed/certified analytical report rec'd by consultant/facility:	March 27, 2025

Semi-Annual Groundwater Monitoring Report

Interpretation and Response to Analytical Results

34] Type of statistical method used to identify exceedances?	Point comparison to background and GPS
35] Were any unusual statistical problems noted (i.e. outliers)?	No
36] Do any constituents exceed the site background? (Initial occurrence?)	Yes (No)
37] Were results compared to GPS (including most recent ACLs)?	Yes
38] Do any constituents exceed GPS? (Initial occurrence?)	Yes
(if yes) 38-a] Were any of the exceedances for new constituents or wells?	No
39] Was verification sampling undertaken?	No
(if yes) 39-a] Date of the verification event?	NA
(if yes) 39-b] Date verification results released by the analytical lab?	NA
(if yes) 39-c] Did verification event confirm exceedances?	NA
40] Date DEQ was notified (if applicable) of the exceedance(s)?	May 9, 2025
41] Will facility pursue an ASD for any of the exceedances?	No
42] If background has been exceeded, has facility already advanced to the next phase of groundwater monitoring?	Yes
43] If GPS have been exceeded, has facility already delineated the release in both the horizontal and vertical dimensions?	Yes

Attachments. The following attachments must be submitted in the order prescribed

Attachment I: Site Identified on a USGS 7 1/2-minute Topographic Map

Attachment II: GW elevation table (as measured during the sampling event)

Attachment III: GW flow rate calculations based on data presented in Attachment II

Attachment IV: Potentiometric Surface Map scaled to fit a size no larger than 11" x 17"

Attachment V: Table of constituents exceeding background, listed for each well

Attachment VI: Table of constituents exceeding GPS, listed for each well

Attachment VII: Complete Laboratory Analytical Report (including Verification events)

Attachment VIII: Chain of Custody documentation (including Verification events)

Attachment IX: Field book documentation (including Verification events)

Attachment X: Statistical Data Sheets

Attachment XI: Special Conditions Description

Note: Attachments VII, VIII, IX, and X may be submitted in electronic format on CD.

Signature Block:

I certify that I am a qualified groundwater scientist who has received a baccalaureate or post-graduate degree in the natural sciences or engineering and who has sufficient training and experience in groundwater hydrology and related fields as demonstrated by state professional registration and completion of an accredited university program that enable me to make sound professional judgments regarding groundwater monitoring, contaminant fate and transport, and corrective action. I further certify that this report was prepared by me or by a subordinate working under my direction.

Name:	Catherine Pezzaro, P.G.	Title:	Professional Geologist
Signature:		Date:	7/25/2025

Tables

Table 1
Summary of First Semi-Annual Assessment Monitoring Program Sampling Event Data (February 2025)
Possum Point Power Station, Pond D
Solid Waste Permit No. 617

					Upgradient Wells								Downgradient Wells											
				Sample ID:	ED-24R				ED-1612				ED-1D				ED-9R2				ED-1605				ED-1606			
				Sample Date:	2/18/2025				2/18/2025				2/18/2025				2/18/2025				2/18/2025				2/20/2025			
Parameter Name	**Units**	**Site Specific Background[1]**	**Federal CCR GWPS[1]**	**SWP GPS[2]**	**Result**	**Qual**	**MDL**	**RL**	**Result**	**Qual**	**MDL**	**RL**	**Result**	**Qual**	**MDL**	**RL**	**Result**	**Qual**	**MDL**	**RL**	**Result**	**Qual**	**MDL**	**RL**	**Result**	**Qual**	**MDL**	**RL**
CCR Appendix III Constituents																												
Boron	µg/L	75.5	--	4,000	**4.8**	J	4.0	50.0	< 17.3	U	17.3	50.0	**642**		4.0	50.0	**55.4**		4.0	50.0	**706**		4.0	50.0	**936**		4.0	50.0
Calcium	µg/L	11,800	--	--	**2100**		14.7	100	**9630**		14.7	100	**12300**		14.7	100	**52300**		14.7	100	**29300**		14.7	100	**19200**		14.7	100
Chloride	mg/L	3.3	--	--	**2.2**		0.60	1.0	**1.9**	J-	0.60	1.0	**54.9**	J-	0.60	1.0	**47.3**	J-	0.60	1.0	**42.5**	J-	0.60	1.0	**79.9**		0.60	1.0
Fluoride	mg/L	0.47	4	4	< 0.050	U	0.050	0.10	**0.43**		0.050	0.10	**0.052**	J	0.050	0.10	**0.069**	J	0.050	0.10	**0.053**	J	0.050	0.10	< 0.050	U	0.050	0.10
pH	SU	4.59-6.22	--	--	4.70		0.01	0.01	6.01		0.01	0.01	4.59		0.01	0.01	5.07		0.01	0.01	3.88		0.01	0.01	4.34		0.01	0.01
Sulfate	mg/L	17.7	--	--	**2.0**		0.50	1.0	**6.7**		0.50	1.0	**43.2**		0.50	1.0	**138**		2.0	4.0	**40.4**		0.50	1.0	**58.5**		0.50	1.0
Total Dissolved Solids	mg/L	208	--	--	**49.6**		10.0	10.0	< 114	U	114	114	**196**	J+	10.0	10.0	**398**	J+	10.0	10.0	**317**	J+	10.0	10.0	< 120	U	120	120
CCR Appendix IV Constituents																												
Antimony	µg/L	QL (5)	6	6	< 3.6	U	3.6	5.0	< 3.6	U	3.6	5.0	< 3.6	U	3.6	5.0	< 3.6	U	3.6	5.0	< 3.6	U	3.6	5.0	< 3.6	U	3.6	5.0
Arsenic	µg/L	QL (10)	10	10	< 2.5	U	2.5	10.0	< 2.5	U	2.5	10.0	< 2.5	U	2.5	10.0	< 2.5	U	2.5	10.0	< 2.5	U	2.5	10.0	< 2.5	U	2.5	10.0
Barium	µg/L	39.7	2,000	2,000	**18.0**		0.79	5.0	**30.0**		0.79	5.0	**37.1**		0.79	5.0	**28.7**		0.79	5.0	**48.9**		0.79	5.0	**33.1**		0.79	5.0
Beryllium	µg/L	QL (1)	4	4	**0.16**	J	0.16	1.0	< 0.16	U	0.16	1.0	**1.3**		0.16	1.0	< 0.16	U	0.16	1.0	**2.7**		0.16	1.0	**1.7**		0.16	1.0
Cadmium	µg/L	QL (1)	5	5	< 0.29	U	0.29	1.0	< 0.29	U	0.29	1.0	< 0.29	U	0.29	1.0	< 0.29	U	0.29	1.0	< 0.29	U	0.29	1.0	< 0.29	U	0.29	1.0
Chromium	µg/L	QL (5)	100	100	**2.1**	J	0.63	5.0	< 0.63	U	0.63	5.0	**0.65**	J	0.63	5.0	**0.83**	J	0.63	5.0	**0.75**	J	0.63	5.0	**1.8**	J	0.63	5.0
Cobalt	µg/L	QL (1)	6	6	< 0.14	U	0.14	1.0	**0.21**	J	0.14	1.0	**3.5**	J	0.71	5.0	**0.34**	J	0.14	1.0	**7.0**		0.14	1.0	**2.0**		0.14	1.0
Fluoride	mg/L	0.47	4	4	< 0.050	U	0.050	0.10	**0.43**		0.050	0.10	**0.052**	J	0.050	0.10	**0.069**	J	0.050	0.10	**0.053**	J	0.050	0.10	< 0.050	U	0.050	0.10
Lead	µg/L	QL (5)	15*	15	< 0.18	U	0.18	1.0	< 0.18	U	0.18	1.0	< 0.88	U	0.88	5.0	< 0.18	U	0.18	1.0	< 0.18	U	0.18	1.0	**0.35**	J	0.18	1.0
Lithium	µg/L	11.8	40	40	**8.5**		0.33	2.5	**10.6**		0.33	2.5	**7.8**	J	1.7	12.5	**29.6**		0.33	2.5	**19.8**		0.33	2.5	**7.1**		0.33	2.5
Mercury	µg/L	QL (0.2)	2	2	< 0.12	U	0.12	0.20	< 0.12	U	0.12	0.20	< 0.12	U	0.12	0.20	< 0.12	U	0.12	0.20	**0.12**	J	0.12	0.20	< 0.12	U	0.12	0.20
Molybdenum	µg/L	6.9	100	100	< 2.6	U	2.6	5.0	**4.6**	J	2.6	5.0	< 2.6	U	2.6	5.0	< 2.6	U	2.6	5.0	< 2.6	U	2.6	5.0	< 2.6	U	2.6	5.0
Selenium	µg/L	QL (10)	50	50	< 4.1	U	4.1	10.0	< 4.1	U	4.1	10.0	< 4.1	U	4.1	10.0	< 4.1	U	4.1	10.0	< 4.1	U	4.1	10.0	< 4.1	U	4.1	10.0
Thallium	µg/L	QL (1)	2	2	< 0.028	U	0.028	0.20	< 0.028	U	0.028	0.20	< 0.14	U	0.14	1.0	**0.041**	J	0.028	0.20	**0.077**	J	0.028	0.20	< 0.028	U	0.028	0.20
Radium 226 and 228 (combined)	pCi/L	1.91	5	5	**1.00**		--	--	**0.710**	J	--	--	**1.67**	J+	--	--	**2.16**	J	--	--	**3.73**	J	--	--	**2.94**	J	--	--
Additional VSWMR Constituents																												
Copper	µg/L	5.8	--	1300*	**1.4**	J	0.62	5.0	**0.63**	J	0.62	5.0	**3.3**	J	0.62	5.0	**2.0**	J	0.62	5.0	**4.6**	J	0.62	5.0	**5.8**		0.62	5.0
Nickel	µg/L	QL (5)	--	5 (QL)	**1.4**	J	0.88	5.0	**0.90**	J	0.88	5.0	**7.2**		0.88	5.0	**14.6**		0.88	5.0	**11.3**		0.88	5.0	**8.4**		0.88	5.0
Silver	µg/L	QL (5)	--	5 (QL)	< 0.49	U	0.49	5.0	< 0.49	U	0.49	5.0	< 0.49	U	0.49	5.0	< 0.49	U	0.49	5.0	< 0.49	U	0.49	5.0	< 0.49	U	0.49	5.0
Tin	µg/L	QL (5)	--	5 (QL)	< 0.14	U	0.14	1.0	< 0.14	U	0.14	1.0	< 0.72	U	0.72	5.0	< 0.14	U	0.14	1.0	< 0.14	U	0.14	1.0	**0.15**	J	0.14	1.0
Vanadium	µg/L	QL (5)	--	5 (QL)	< 1.6	U	1.6	5.0	< 1.6	U	1.6	5.0	< 1.6	U	1.6	5.0	< 1.6	U	1.6	5.0	< 1.6	U	1.6	5.0	< 1.6	U	1.6	5.0
Zinc	µg/L	QL (50)	--	50 (QL)	**4.2**	J	3.0	10.0	< 3.0	U	3.0	10.0	**9.2**	J	3.0	10.0	**3.5**	J	3.0	10.0	**12.7**		3.0	10.0	**8.3**	J	3.0	10.0
Speciation of Chromium																												
Chromium, Hexavalent	µg/L	11	--	--	**1.8**	J	0.043	0.25	< 0.0043	U	0.0043	0.025	**0.44**	J+	0.022	0.12	**0.50**	J	0.022	0.12	**0.32**	J+	0.0086	0.050	**0.96**		0.022	0.12
Former VPDES Constituents																												
Hardness	µg/L	--	--	--	**8760**		36.8	662	**37500**		36.8	662	**61300**		36.8	662	**222000**		36.8	662	**137000**		36.8	662	**92400**		36.8	662
Iron	µg/L	--	--	--	**2690**		3.0	20.0	**894**	J	3.0	20.0	< 14.9	U	14.9	100	**46.8**	J	3.0	20.0	< 32.6	U	32.6	32.6	**292**		3.0	20.0
Manganese	µg/L	--	--	--	**65.6**		0.24	2.0	**119**		0.24	2.0	**73.2**		1.2	10.0	**22.9**		0.24	2.0	**974**		2.4	20.0	**169**		0.24	2.0
Phenolics, Total	mg/L	--	--	--	< 0.0115	U	0.0115	0.0400	< 0.0115	U	0.0115	0.0400	< 0.0115	U	0.0115	0.0400	< 0.0115	U	0.0115	0.0400	< 0.0115	U	0.0115	0.0400	< 0.0115	U	0.0115	0.0400
Potassium	µg/L	--	--	--	**5630**		18.0	100	**7230**		18.0	100	**6420**		90.1	500	**15500**		18.0	100	**18300**		18.0	100	**9260**		18.0	100
Sodium	µg/L	--	--	--	**4580**		14.4	250	**11900**		14.4	250	**25500**		72.0	1250	**5260**		14.4	250	**15800**		14.4	250	**31500**		144	2500
Total Organic Carbon	mg/L	--	--	--	< 0.50	U	0.50	1.0	< 0.50	U	0.50	1.0	< 0.50	U	0.50	1.0	< 0.50	U	0.50	1.0	**0.57**	J	0.50	1.0	< 0.50	U	0.50	1.0
Field Parameters																												
Conductivity	µS/cm	--	--	--	41.0		0.1	0.1	154.2		0.1	0.1	314.0		0.1	0.1	566		0.1	0.1	520		0.1	0.1	429.4		0.1	0.1
Dissolved Oxygen	mg/L	--	--	--	2.39		0.01	0.01	1.28		0.01	0.01	1.97		0.01	0.01	0.57		0.01	0.01	1.84		0.01	0.01	0.24		0.01	0.01
Oxidation Reduction Potential	millivolts	--	--	--	323.9		0.1	0.1	31.0		0.1	0.1	594.1		0.1	0.1	316.7		0.1	0.1	366.2		0.1	0.1	317.6		0.1	0.1
Temperature	C	--	--	--	11.9		0.1	0.1	12.4		0.1	0.1	14.6		0.1	0.1	12.7		0.1	0.1	12.0		0.1	0.1	12.4		0.1	0.1
Turbidity	NTU	--	--	--	8.76		0.01	0.01	2.69		0.01	0.01	0.25		0.01	0.01	6.90		0.01	0.01	1.51		0.01	0.01	1.77		0.01	0.01

Notes:
MDL = Method Detection Limit
RL = Reporting Limit
µg/L = Micrograms per liter
mg/L = Milligrams per liter
SU = Standard Units
pCi/L = picoCuries per liter
µS/cm = MicroSiemens per centimeter
C = Degrees Celsius
NTU = Nephelometric Turbidity Units
CCR = Coal Combustion Residuals
SWP = Solid Waste Permit

QL = Quantitation limit (value shown in parentheses represents the highest laboratory QL for the constituent based on background data.)
GPS/GWPS = Groundwater Protection Standards
VPDES = Virginia Pollutant Discharge Elimination System
VSWMR = Virginia Solid Waste Management Regulations
* - EPA Action Level
Bold font = Detected constituent

Qualifiers:
U = The analyte was not detected above the level of the sample reporting limit
J = Quantitation is approximate due to limitations identified during data validation
J+ = The result is an estimated quantity; the result may be biased high.
J- = The result is an estimated quantity; the result may be biased low.

= Concentration greater than site-specific background

= Concentration greater than Federal CCR GWPS and/or Virginia SWP GPS

= Concentration greater than Virginia SWP GPS

[1]Site-specific background values and CCR GWPS values for CCR constituents were calculated in the April 5, 2023, *2023 Updated Facility Background Determination Report*
[2]SWP GPS values for VSWMR consituents were calculated in the April 5, 2023, *2023 Updated Facility Background Determination Report*

Table 1
Summary of First Semi-Annual Assessment Monitoring Program Sampling Event Data (February 2025)
Possum Point Power Station, Pond D
Solid Waste Permit No. 617

					Downgradient Wells								Sentinel Well				Field QC							
				Sample ID:	SD-1603				SD-1604				SD-1611D				SD-1604 Field Duplicate				Field Blank			
				Sample Date:	2/18/2025				2/20/2025				2/18/2025				2/20/2025				2/18/2025			
Parameter Name	**Units**	**Site Specific Background[1]**	**Federal CCR GWPS[1]**	**SWP GPS[2]**	**Result**	**Qual**	**MDL**	**RL**	**Result**	**Qual**	**MDL**	**RL**	**Result**	**Qual**	**MDL**	**RL**	**Result**	**Qual**	**MDL**	**RL**	**Result**	**Qual**	**MDL**	**RL**
CCR Appendix III Constituents																								
Boron	µg/L	75.5	--	4,000	**805**		4.0	50.0	**1250**		4.0	50.0	**6.3**	J	4.0	50.0	**1260**		4.0	50.0	**4.4**	J	4.0	50.0
Calcium	µg/L	11,800	--	--	**32000**		14.7	100	**28300**		14.7	100	**11600**		14.7	100	**28800**		14.7	100	< 14.7	U	14.7	100
Chloride	mg/L	3.3	--	--	**76.7**	J-	0.60	1.0	**93.8**		0.60	1.0	**19.8**		0.60	1.0	**94.2**		0.60	1.0	< 0.60	U	0.60	1.0
Fluoride	mg/L	0.47	4	4	**0.059**	J	0.050	0.10	< 0.050	U	0.050	0.10	< 0.050	U	0.050	0.10	< 0.050	U	0.050	0.10	< 0.050	U	0.050	0.10
pH	SU	4.59-6.22	--	--	5.24		0.01	0.01	5.06		0.01	0.01	5.79		0.01	0.01	--		--	--	--		--	--
Sulfate	mg/L	17.7	--	--	**41.5**		0.50	1.0	**76.7**		0.50	1.0	**5.4**		0.50	1.0	**74.8**		0.50	1.0	< 0.50	U	0.50	1.0
Total Dissolved Solids	mg/L	208	--	--	**337**	J+	10.0	10.0	**348**	J+	10.0	10.0	**130**		10.0	10.0	**342**	J+	10.0	10.0	**65.2**		10.0	10.0
CCR Appendix IV Constituents																								
Antimony	µg/L	QL (5)	6	6	< 3.6	U	3.6	5.0	< 3.6	U	3.6	5.0	< 3.6	U	3.6	5.0	< 3.6	U	3.6	5.0	< 3.6	U	3.6	5.0
Arsenic	µg/L	QL (10)	10	10	< 2.5	U	2.5	10.0	< 2.5	U	2.5	10.0	< 2.5	U	2.5	10.0	< 2.5	U	2.5	10.0	< 2.5	U	2.5	10.0
Barium	µg/L	39.7	2,000	2,000	**110**		0.79	5.0	**107**		0.79	5.0	**47.6**		0.79	5.0	**106**		0.79	5.0	< 0.79	U	0.79	5.0
Beryllium	µg/L	QL (1)	4	4	**0.59**	J	0.16	1.0	**0.43**	J	0.16	1.0	< 0.16	U	0.16	1.0	**0.42**	J	0.16	1.0	< 0.16	U	0.16	1.0
Cadmium	µg/L	QL (1)	5	5	< 0.29	U	0.29	1.0	< 0.29	U	0.29	1.0	< 0.29	U	0.29	1.0	< 0.29	U	0.29	1.0	< 0.29	U	0.29	1.0
Chromium	µg/L	QL (5)	100	100	< 0.63	U	0.63	5.0	**1.1**	J	0.63	5.0	< 0.63	U	0.63	5.0	< 0.63	U	0.63	5.0	< 0.63	U	0.63	5.0
Cobalt	µg/L	QL (1)	6	6	**1.8**		0.14	1.0	< 0.14	U	0.14	1.0	< 0.14	U	0.14	1.0	< 0.14	U	0.14	1.0	< 0.14	U	0.14	1.0
Fluoride	mg/L	0.47	4	4	**0.059**	J	0.050	0.10	< 0.050	U	0.050	0.10	< 0.050	U	0.050	0.10	< 0.050	U	0.050	0.10	< 0.050	U	0.050	0.10
Lead	µg/L	QL (5)	15*	15	**0.33**	J	0.18	1.0	< 0.18	U	0.18	1.0	< 0.18	U	0.18	1.0	< 0.18	U	0.18	1.0	< 0.18	U	0.18	1.0
Lithium	µg/L	11.8	40	40	**24.3**		0.33	2.5	**13.4**		0.33	2.5	**14.9**		0.33	2.5	**13.9**		0.33	2.5	< 0.33	U	0.33	2.5
Mercury	µg/L	QL (0.2)	2	2	< 0.12	U	0.12	0.20	< 0.12	U	0.12	0.20	< 0.12	U	0.12	0.20	< 0.12	U	0.12	0.20	< 0.12	U	0.12	0.20
Molybdenum	µg/L	6.9	100	100	< 2.6	U	2.6	5.0	< 2.6	U	2.6	5.0	< 2.6	U	2.6	5.0	< 2.6	U	2.6	5.0	< 2.6	U	2.6	5.0
Selenium	µg/L	QL (10)	50	50	< 4.1	U	4.1	10.0	< 4.1	U	4.1	10.0	< 4.1	U	4.1	10.0	< 4.1	U	4.1	10.0	< 4.1	U	4.1	10.0
Thallium	µg/L	QL (1)	2	2	< 0.028	U	0.028	0.20	< 0.028	U	0.028	0.20	< 0.028	U	0.028	0.20	< 0.028	U	0.028	0.20	< 0.028	U	0.028	0.20
Radium 226 and 228 (combined)	pCi/L	1.91	5	5	**1.79**	J	--	--	**1.87**	J	--	--	**1.42**	J	--	--	**2.05**	J	--	--	0.000	U	--	--
Additional VSWMR Constituents																								
Copper	µg/L	5.8	--	1300*	**2.3**	J	0.62	5.0	**0.89**	J	0.62	5.0	< 0.62	U	0.62	5.0	< 0.62	U	0.62	5.0	< 0.62	U	0.62	5.0
Nickel	µg/L	QL (5)	--	5 (QL)	**5.2**		0.88	5.0	**2.6**	J	0.88	5.0	< 0.88	U	0.88	5.0	**0.94**	J	0.88	5.0	< 0.88	U	0.88	5.0
Silver	µg/L	QL (5)	--	5 (QL)	< 0.49	U	0.49	5.0	< 0.49	U	0.49	5.0	< 0.49	U	0.49	5.0	< 0.49	U	0.49	5.0	< 0.49	U	0.49	5.0
Tin	µg/L	QL (5)	--	5 (QL)	< 0.14	U	0.14	1.0	< 0.14	U	0.14	1.0	< 0.14	U	0.14	1.0	< 0.14	U	0.14	1.0	< 0.14	U	0.14	1.0
Vanadium	µg/L	QL (5)	--	5 (QL)	< 1.6	U	1.6	5.0	< 1.6	U	1.6	5.0	< 1.6	U	1.6	5.0	< 1.6	U	1.6	5.0	< 1.6	U	1.6	5.0
Zinc	µg/L	QL (50)	--	50 (QL)	**14.4**		3.0	10.0	**3.5**	J	3.0	10.0	**5.5**	J	3.0	10.0	< 3.0	U	3.0	10.0	< 3.0	U	3.0	10.0
Speciation of Chromium																								
Chromium, Hexavalent	µg/L	11	--	--	< 0.0043	U	0.0043	0.025	< 0.0043	U	0.0043	0.025	< 0.0043	U	0.0043	0.025	< 0.0043	U	0.0043	0.025	< 0.0043	U	0.0043	0.025
Former VPDES Constituents																								
Hardness	µg/L	--	--	--	**152000**		36.8	662	**134000**		36.8	662	**53900**		36.8	662	**136000**		36.8	662	< 36.8	U	36.8	662
Iron	µg/L	--	--	--	**8960**	J	3.0	20.0	**13000**		29.8	200	**3280**		3.0	20.0	**13600**		29.8	200	< 3.0	U	3.0	20.0
Manganese	µg/L	--	--	--	**599**		2.4	20.0	**878**		2.4	20.0	**224**		2.4	20.0	**928**		2.4	20.0	< 0.24	U	0.24	2.0
Phenolics, Total	mg/L	--	--	--	< 0.0115	U	0.0115	0.0400	< 0.0115	U	0.0115	0.0400	< 0.0115	U	0.0115	0.0400	< 0.0115	U	0.0115	0.0400	< 0.0115	U	0.0115	0.0400
Potassium	µg/L	--	--	--	**13300**		18.0	100	**12600**		18.0	100	**8850**		18.0	100	**13100**		18.0	100	< 18.0	U	18.0	100
Sodium	µg/L	--	--	--	**4170**		14.4	250	**17400**		14.4	250	**5090**		14.4	250	**17900**		14.4	250	< 14.4	U	14.4	250
Total Organic Carbon	mg/L	--	--	--	< 0.50	U	0.50	1.0	< 0.50	U	0.50	1.0	< 0.50	U	0.50	1.0	< 0.50	U	0.50	1.0	< 0.50	U	0.50	1.0
Field Parameters																								
Conductivity	µS/cm	--	--	--	452.4		0.1	0.1	518		0.1	0.1	188.0		0.1	0.1	--		--	--	--		--	--
Dissolved Oxygen	mg/L	--	--	--	0.61		0.01	0.01	0.31		0.01	0.01	0.53		0.01	0.01	--		--	--	--		--	--
Oxidation Reduction Potential	millivolts	--	--	--	66.3		0.1	0.1	120.6		0.1	0.1	-8.8		0.1	0.1	--		--	--	--		--	--
Temperature	C	--	--	--	14.7		0.1	0.1	12.4		0.1	0.1	13.1		0.1	0.1	--		--	--	--		--	--
Turbidity	NTU	--	--	--	1.16		0.01	0.01	3.61		0.01	0.01	0.30		0.01	0.01	--		--	--	--		--	--

Notes:
MDL = Method Detection Limit
RL = Reporting Limit
µg/L = Micrograms per liter
mg/L = Milligrams per liter
SU = Standard Units
pCi/L = picoCuries per liter
µS/cm = MicroSiemens per centimeter
C = Degrees Celsius
NTU = Nephelometric Turbidity Units
CCR = Coal Combustion Residuals
SWP = Solid Waste Permit

QL = Quantitation limit (value shown in parentheses represents the highest laboratory QL for the constituent based on background data.)
GPS/GWPS = Groundwater Protection Standards
VPDES = Virginia Pollutant Discharge Elimination System
VSWMR = Virginia Solid Waste Management Regulations
* - EPA Action Level
Bold font = Detected constituent

Qualifiers:
U = The analyte was not detected above the level of the sample reporting limit
J = Quantitation is approximate due to limitations identified during data validation
J+ = The result is an estimated quantity; the result may be biased high.
J- = The result is an estimated quantity; the result may be biased low.

= Concentration greater than site-specific background

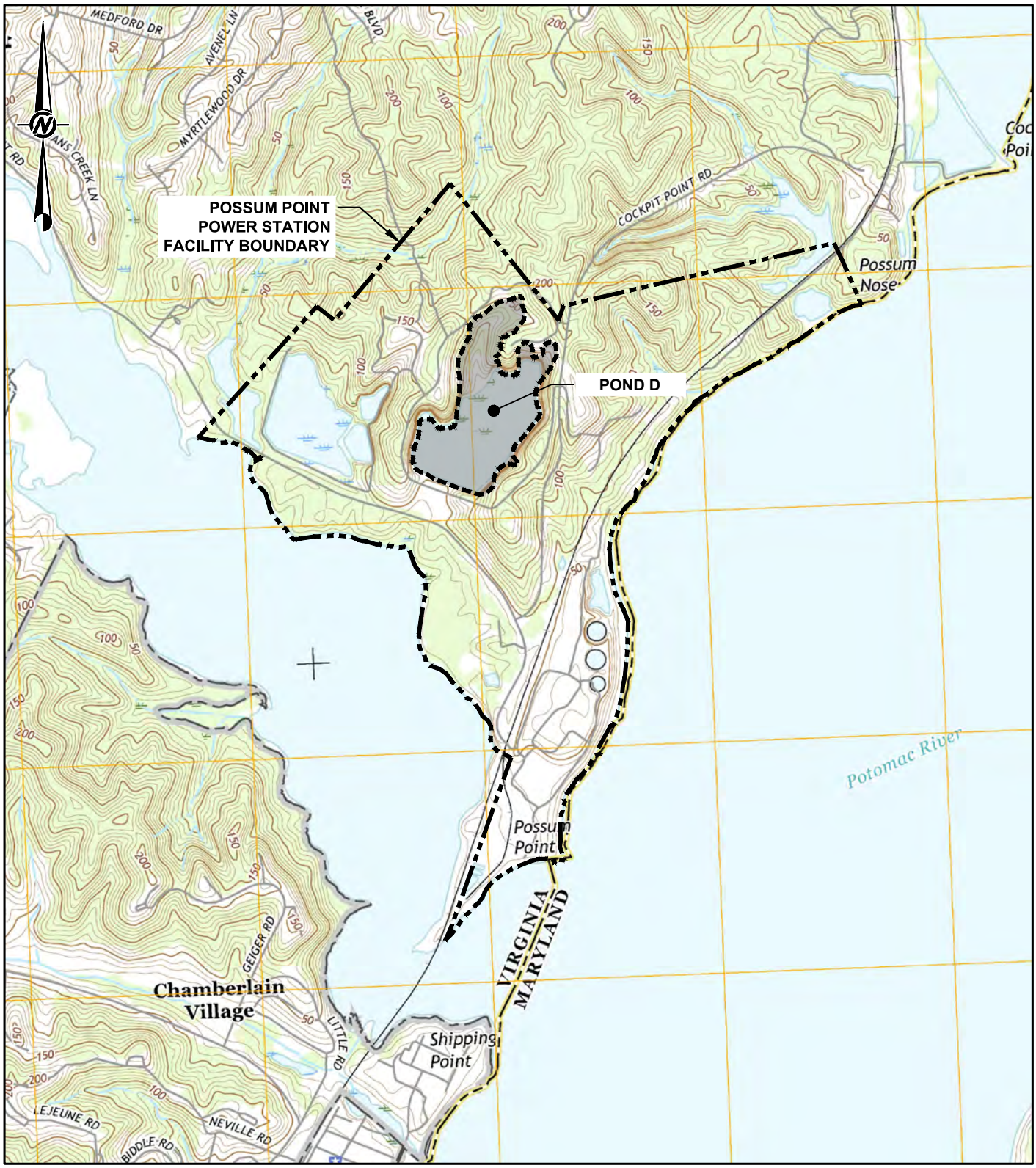
= Concentration greater than Federal CCR GWPS and/or Virginia SWP GPS

= Concentration greater than Virginia SWP GPS

[1]Site-specific background values and CCR GWPS values for CCR constituents were calculated in the April 5, 2023, *2023 Updated Facility Background Determination Report*
[2]SWP GPS values for VSWMR consituents were calculated in the April 5, 2023, *2023 Updated Facility Background Determination Report*

Attachment I

Site Location Map



REFERENCE

BASE MAP CONSISTS OF USGS TOPOGRAPHIC QUADRANGLE QUANTICO, VIRGINIA DATED 2016.

2000 0 2000
SCALE FEET

CLIENT
DOMINION ENERGY

CONSULTANT
wsp

YYYY-MM-DD	2018-10-31
DESIGNED	DPM
PREPARED	BPG
REVIEWED	BPG
APPROVED	DPM

PROJECT
POSSUM POINT POWER STATION
POND D
PRINCE WILLIAM COUNTY, VIRGINIA

TITLE
SITE LOCATION MAP

PROJECT NO. US0041019.5094
REV. 0
ATTACHMENT

Path: G:\Plan Production Data Files\Drawing Data Files\17-89754 - POSSUM PT\G - POND D CCR AMR\Active Drawings\1789754PP_G01.dwg

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A
1 in
0

Attachment II

Groundwater Elevation Table

Attachment II
Groundwater Elevation Table
First Semi-Annual 2025 Sampling Event (February 18, 2025)
Possum Point Power Station, Pond D – Solid Waste Permit No. 617

Well Identification	Date Measured	Top of Casing Elevation (ft/amsl)	Depth to Water (ft)	Groundwater Elevation (ft/amsl)
ED-1612	02/18/2025	189.80	109.41	80.39
ED-24R	02/18/2025	74.96	27.24	47.72
ED-1D	02/18/2025	55.76	40.22	15.54
ED-9R2	02/18/2025	79.25	58.11	21.14
SD-1603	02/18/2025	195.25	151.53	43.72
SD-1604	02/18/2025	171.07	138.16	32.91
ED-1605	02/18/2025	167.11	135.08	32.03
ED-1606	02/18/2025	58.50	34.21	24.29
SD-1611D	02/18/2025	187.04	131.45	55.59
ED-26*	02/18/2025	89.86	52.17	37.69
ES-1609*	02/18/2025	23.26	22.66	0.60
ES-1613*	02/18/2025	26.01	21.00	5.01
ES-3D*	02/18/2025	22.86	22.53	0.33
T-1615S*	02/18/2025	25.92	22.70	3.22
T-1615D*	02/18/2025	25.81	22.14	3.67
ED-22RA*	02/18/2025	26.89	26.60	0.29
ED-23R*	02/18/2025	27.80	24.62	3.18

Notes:
ft = feet
ft/amsl = feet above mean sea level
Current TOC elevations for ED-24R, ED-9R2, and ED-26 updated in April 2018 survey
Current TOC elevations for SD-1603 and ES-3D updated in March 2017 survey
* Pond E well used only used for creation of potentiometric surface

Attachment III

Groundwater Flow Rate Calculation

Attachment III
Groundwater Flow Rate Calculation
First Semi-Annual 2025 Sampling Event (February 18, 2025)
Possum Point Power Station, Pond D – Solid Waste Permit No. 617

The approximate horizontal velocity of the groundwater flow beneath the site for the monitored unit was calculated using the following equations:

The average hydraulic gradient along the ideal flow line beneath the unit, was calculated using the following equation:

$$i = {}^{h_L}/_{L}$$

Where:
i = hydraulic gradient (unitless)
h_L = head loss (elevation difference in feet)
L = length (horizontal distance in feet)

The groundwater flow rate was calculated using the following formula:

$$V = {}^{ki}/_{\theta}$$

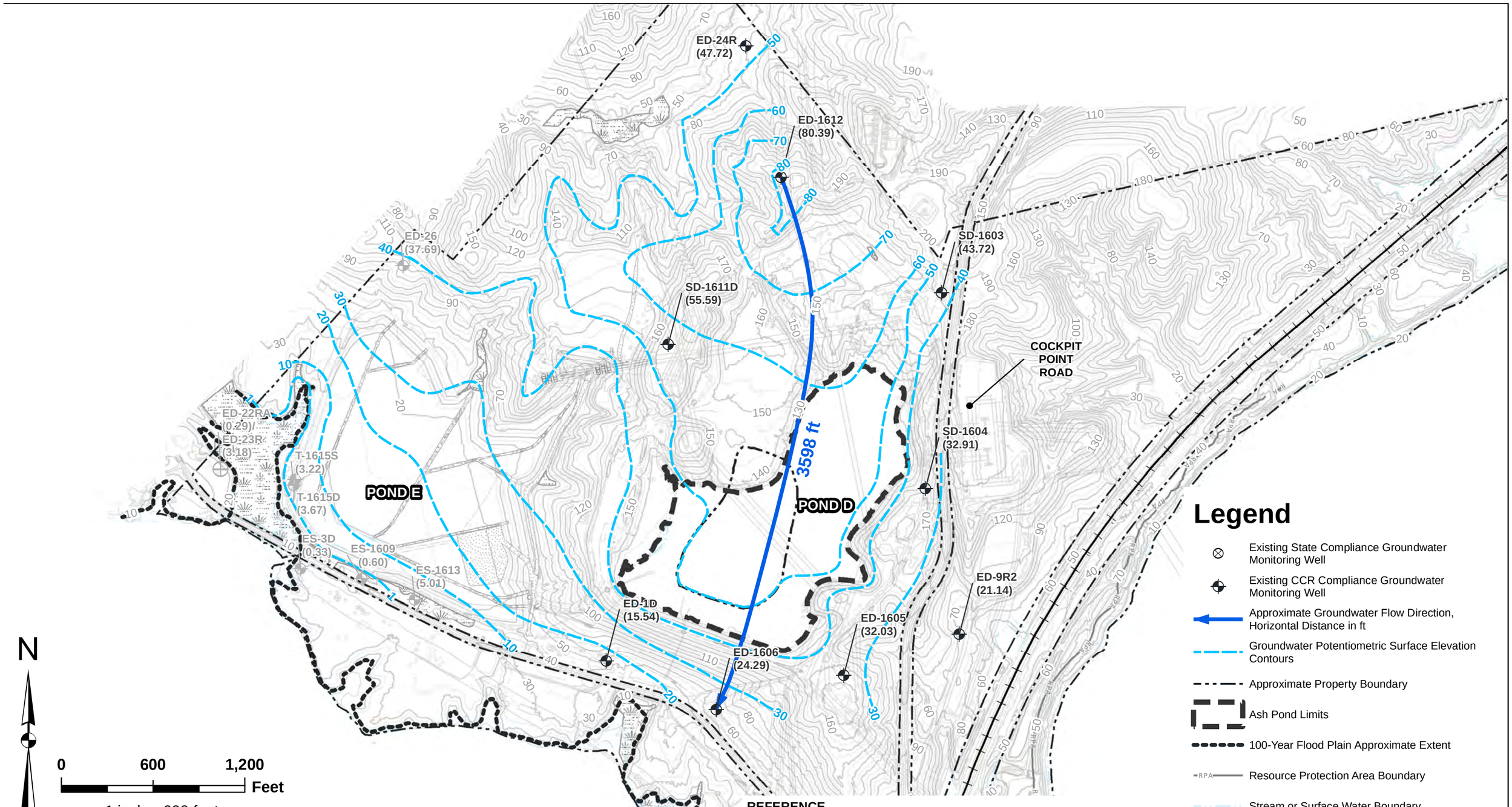
Where:
V= Groundwater Velocity (cm/s)
k = hydraulic conductivity (cm/s)
i = hydraulic gradient (unitless)
θ = assumed porosity (unitless)

Groundwater Flow	Hydraulic Conductivity (k, cm/s)	Starting Head (feet amsl)	Ending Head (feet amsl)	Flow Length (feet)	Gradient (i)	Assumed Porosity (Ø)	Estimated Groundwater Velocity	
							(cm/s)	(feet/year)
Vgw$_1$	2.01E-04	80.39	24.29	3,598	1.56E-02	0.20	1.57E-05	16

Notes: cm/s = centimeter per second
amsl = above mean sea level
k = hydraulic conductivity
Ø = estimated value based on aquifer lithologic properties

Attachment IV

Groundwater Potentiometric Surface Map



Legend

- Existing State Compliance Groundwater Monitoring Well
- Existing CCR Compliance Groundwater Monitoring Well
- Approximate Groundwater Flow Direction, Horizontal Distance in ft
- Groundwater Potentiometric Surface Elevation Contours
- Approximate Property Boundary
- Ash Pond Limits
- 100-Year Flood Plain Approximate Extent
- Resource Protection Area Boundary
- Stream or Surface Water Boundary
- Wetland
- Existing Railroad
- Topographic Contour, Major- 10 Foot
- Topographic Contour, Minor- 5 Foot

REFERENCE

1. EXISTING CONDITIONS COMPILED FROM GROUND SURVEY PREPARED BY SURVEY SOLUTIONS, DATED 11/05/21 AND AERIAL SURVEY PREPARED BY DRAPER ADEN ASSOCIATES, AERIAL IMAGERY DATED 11/11/21.

2. STATIC WATER LEVELS MEASURED ON FEBRUARY 18, 2025.

3. GROUNDWATER CONTOUR LINES SHOW THE WATER TABLE SHAPE AND ELEVATION. THESE CONTOURS ARE INFERRED LINES FOLLOWING THE GROUNDWATER SURFACE AT A CONSTANT ELEVATION ABOVE SEA LEVEL.THE GROUNDWATER FLOW DIRECTION IS GENERALLY PERPENDICULAR TO THE GROUNDWATER SURFACE CONTOURS, SIMILAR TO THE RELATIONSHIP BETWEEN SURFACE WATER FLOW AND TOPOGRAPHIC CONTOURS.

PROJECT
GROUNDWATER MONITORING PROGRAM
POND D
1SA2025 SAMPLING EVENT

TITLE
GROUNDWATER POTENTIOMETRIC SURFACE MAP
FEBRUARY 18, 2025

PROJECT NO.	REV.	ATTACHMENT
US0041019.5094	0	IV

CLIENT
DOMINION ENERGY
POSSUM POINT POWER STATION
PRINCE WILLIAM COUNTY, VIRGINIA

CONSULTANT
wsp

YYYY-MM-DD	2025-03-24
DESIGNED	ZM
PREPARED	KW
REVIEWED	CKS
APPROVED	CKS

Attachment V

Background Statistically Significant Exceedances

Attachment V
Background Statistically Significant Exceedances
First Semi-Annual 2025 Sampling Event – February 2025
Possum Point Power Station, Pond D – Solid Waste Permit No. 617

Parameter Detected Above Reporting Limit	Downgradient Well	Value-To-Value Comparison: Statistically Significant Increase (yes/no)
Barium	ED-1D	No
	ED-9R2	No
	ED-1605	***Yes***
	ED-1606	No
	SD-1603	***Yes***
	SD-1604	***Yes***
Beryllium	ED-1D	***Yes***
	ED-9R2	No
	ED-1605	***Yes***
	ED-1606	***Yes***
	SD-1603	No
	SD-1604	No
Boron	ED-1D	***Yes***
	ED-9R2	No
	ED-1605	***Yes***
	ED-1606	***Yes***
	SD-1603	***Yes***
	SD-1604	***Yes***
Calcium	ED-1D	***Yes***
	ED-9R2	***Yes***
	ED-1605	***Yes***
	ED-1606	***Yes***
	SD-1603	***Yes***
	SD-1604	***Yes***
Chloride	ED-1D	***Yes***
	ED-9R2	***Yes***
	ED-1605	***Yes***
	ED-1606	***Yes***
	SD-1603	***Yes***
	SD-1604	***Yes***
Cobalt	ED-1D	***Yes***
	ED-9R2	No
	ED-1605	***Yes***
	ED-1606	***Yes***
	SD-1603	***Yes***
	SD-1604	No

Attachment V
Background Statistically Significant Exceedances
First Semi-Annual 2025 Sampling Event – February 2025
Possum Point Power Station, Pond D – Solid Waste Permit No. 617

Parameter Detected Above Reporting Limit	Downgradient Well	Value-To-Value Comparison: Statistically Significant Increase (yes/no)
Copper	ED-1D	No
	ED-9R2	No
	ED-1605	No
	ED-1606	No
	SD-1603	No
	SD-1604	No
Hexavalent Chromium	ED-1D	No
	ED-9R2	No
	ED-1605	No
	ED-1606	No
	SD-1603	No
	SD-1604	No
Lithium	ED-1D	No
	ED-9R2	***Yes***
	ED-1605	***Yes***
	ED-1606	No
	SD-1603	***Yes***
	SD-1604	***Yes***
Nickel	ED-1D	***Yes***
	ED-9R2	***Yes***
	ED-1605	***Yes***
	ED-1606	***Yes***
	SD-1603	***Yes***
	SD-1604	No
pH	ED-1D	No
	ED-9R2	No
	ED-1605	***Yes***
	ED-1606	***Yes***
	SD-1603	No
	SD-1604	No
Radium 226 and 228 (combined)	ED-1D	No
	ED-9R2	***Yes***
	ED-1605	***Yes***
	ED-1606	***Yes***
	SD-1603	No
	SD-1604 (Duplicate)	***Yes***

Attachment V
Background Statistically Significant Exceedances
First Semi-Annual 2025 Sampling Event – February 2025
Possum Point Power Station, Pond D – Solid Waste Permit No. 617

Parameter Detected Above Reporting Limit	Downgradient Well	Value-To-Value Comparison: Statistically Significant Increase (yes/no)
Sulfate	ED-1D	***Yes***
	ED-9R2	***Yes***
	ED-1605	***Yes***
	ED-1606	***Yes***
	SD-1603	***Yes***
	SD-1604	***Yes***
Total Dissolved Solids	ED-1D	No
	ED-9R2	***Yes***
	ED-1605	***Yes***
	ED-1606	No
	SD-1603	***Yes***
	SD-1604	***Yes***
Zinc	ED-1D	No
	ED-9R2	No
	ED-1605	No
	ED-1606	No
	SD-1603	No
	SD-1604	No
Parameter Detected Above Reporting Limit	**Sentinel Well**	**Value-To-Value Comparison: Statistically Significant Increase (yes/no)**
Barium	SD-1611D	***Yes***
Calcium	SD-1611D	No
Chloride	SD-1611D	***Yes***
Lithium	SD-1611D	***Yes***
pH	SD-1611D	No
Sulfate	SD-1611D	No
Radium 226 and 228 (combined)	SD-1611D	No
Total Dissolved Solids	SD-1611D	No

Attachment VI

Confirmed Solid Waste Permit GPS Exceedances

Attachment VI
Confirmed Solid Waste Permit GPS Exceedances
First Semi-Annual 2025 Sampling Event – February 2025
Possum Point Power Station, Pond D – Solid Waste Permit No. 617

Well Identification	Well Designation	Constituents Found to Exceed SWP GPS
ED-1612	Upgradient	None
ED-24R	Upgradient	None
ED-1D	Downgradient	***Nickel***
ED-9R2	Downgradient	***Nickel***
ED-1605	Downgradient	***Cobalt***
		Nickel
ED-1606	Downgradient	***Nickel***
SD-1603	Downgradient	***Nickel***
SD-1604	Downgradient	None
SD-1611D	Sentinel	None

Notes:

SWP = Solid Waste Permit
GPS = Solid Waste Permit Groundwater Protection Standard

Attachment VII

Laboratory Certificates of Analysis

February 18-20, 2025, Sampling Event

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

March 26, 2025

Kelly Hicks
Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219

RE: Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Dear Kelly Hicks:

Enclosed are the analytical results for sample(s) received by the laboratory between February 19, 2025 and February 21, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte

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

Sincerely,

Stephanie Knott

Stephanie Knott
stephanie.knott@pacelabs.com
704-977-0981
Project Manager

Enclosures

cc: ENV STD DM
Michael Knez, WSP
Rashida Marlowe, Dominion Energy Services, Inc.
Catherine Pezzaro, WSP USA, Inc.
Crystal Shadle, Golder Associates Inc.
Environmental Standards, Inc., Environmental Standards, Inc.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92780474001	**021825NED1612**	Water	02/18/25 15:15	02/19/25 10:48
92780474002	**021825NED1D**	Water	02/18/25 17:45	02/19/25 10:48
92780474003	**021825NED9R2**	Water	02/18/25 15:48	02/19/25 10:48
92780474004	**021825NED1605**	Water	02/18/25 13:10	02/19/25 10:48
92780474005	**021825NSD1603**	Water	02/18/25 15:35	02/19/25 10:48
92780474006	**021825NDFBBLANK**	Water	02/18/25 14:10	02/19/25 10:48
92780474007	**022025NED1606**	Water	02/20/25 14:15	02/21/25 10:30
92780474008	**022025NSD1604**	Water	02/20/25 14:10	02/21/25 10:30
92780474009	**022025NDFDDUPLICATE**	Water	02/20/25 14:15	02/21/25 10:30

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92780474001	**021825NED1612**	EPA 7199	VJM	1	PASI-C
		EPA 6010D	MGW	16	PASI-A
		EPA 6020B	DBB1	9	PASI-A
		EPA 7470A	MAB2	1	PASI-A
		EPA 9066	LDT	1	PAN
		SM 2540C-2015	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 9060A	MDW	5	PASI-A
92780474002	**021825NED1D**	EPA 7199	VJM	1	PASI-C
		EPA 6010D	MGW	16	PASI-A
		EPA 6020B	DBB1	9	PASI-A
		EPA 7470A	MAB2	1	PASI-A
		EPA 9066	LDT	1	PAN
		SM 2540C-2015	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 9060A	MDW	5	PASI-A
92780474003	**021825NED9R2**	EPA 7199	VJM	1	PASI-C
		EPA 6010D	MGW	16	PASI-A
		EPA 6020B	DBB1	9	PASI-A
		EPA 7470A	MAB2	1	PASI-A
		EPA 9066	LDT	1	PAN
		SM 2540C-2015	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 9060A	MDW	5	PASI-A
92780474004	**021825NED1605**	EPA 7199	VJM	1	PASI-C
		EPA 6010D	MGW	16	PASI-A
		EPA 6020B	DBB1	9	PASI-A
		EPA 7470A	MAB2	1	PASI-A
		EPA 9066	LDT	1	PAN
		SM 2540C-2015	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 9060A	MDW	5	PASI-A
92780474005	**021825NSD1603**	EPA 7199	VJM	1	PASI-C
		EPA 6010D	MGW	16	PASI-A
		EPA 6020B	DBB1	9	PASI-A
		EPA 7470A	MAB2	1	PASI-A
		EPA 9066	AEC	1	PAN

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SAMPLE ANALYTE COUNT

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C-2015	CMW1	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
		EPA 9060A	MDW	5	PASI-A
92780474006	**021825NDFBBLANK**	EPA 7199	VJM	1	PASI-C
		EPA 6010D	MGW	16	PASI-A
		EPA 6020B	DBB1	9	PASI-A
		EPA 7470A	MAB2	1	PASI-A
		EPA 9066	AEC	1	PAN
		SM 2540C-2015	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 9060A	MDW	5	PASI-A
92780474007	**022025NED1606**	EPA 7199	VJM	1	PASI-C
		EPA 6010D	MGW	16	PASI-A
		EPA 6020B	MSR	9	PASI-A
		EPA 7470A	MAB2	1	PASI-A
		EPA 9066	AEC	1	PAN
		SM 2540C-2015	CMW1	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
		EPA 9060A	MDW	5	PASI-A
92780474008	**022025NSD1604**	EPA 7199	VJM	1	PASI-C
		EPA 6010D	MGW	16	PASI-A
		EPA 6020B	MSR	9	PASI-A
		EPA 7470A	MAB2	1	PASI-A
		EPA 9066	AEC	1	PAN
		SM 2540C-2015	CDM	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
		EPA 9060A	MDW	5	PASI-A
92780474009	**022025NDFDDUPLICATE**	EPA 7199	VJM	1	PASI-C
		EPA 6010D	MGW	16	PASI-A
		EPA 6020B	MSR	9	PASI-A
		EPA 7470A	MAB2	1	PASI-A
		EPA 9066	AEC	1	PAN
		SM 2540C-2015	CDM	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
		EPA 9060A	MDW	5	PASI-A

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory

PASI-C = Pace Analytical Services - Charlotte

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92780474001	**021825NED1612**					
EPA 6010D	Barium	30.0	ug/L	5.0	02/23/25 20:00	
EPA 6010D	Boron	17.3J	ug/L	50.0	02/23/25 20:00	
EPA 6010D	Calcium	9630	ug/L	100	02/23/25 20:00	
EPA 6010D	Copper	0.63J	ug/L	5.0	02/23/25 20:00	
EPA 6010D	Molybdenum	4.6J	ug/L	5.0	02/23/25 20:00	
EPA 6010D	Nickel	0.90J	ug/L	5.0	02/23/25 20:00	
EPA 6010D	Hardness, Total(SM 2340B)	37500	ug/L	662	02/23/25 20:00	
EPA 6020B	Cobalt	0.21J	ug/L	1.0	03/12/25 00:35	
EPA 6020B	Iron	894	ug/L	20.0	03/12/25 00:35	
EPA 6020B	Lithium	10.6	ug/L	2.5	03/12/25 00:35	
EPA 6020B	Manganese	119	ug/L	2.0	03/12/25 00:35	
EPA 6020B	Potassium	7230	ug/L	100	03/12/25 00:35	
EPA 6020B	Sodium	11900	ug/L	250	03/12/25 00:35	
SM 2540C-2015	Total Dissolved Solids	114	mg/L	10.0	02/24/25 15:34	
EPA 9056A	Chloride	1.9	mg/L	1.0	02/21/25 04:54	
EPA 9056A	Fluoride	0.43	mg/L	0.10	02/21/25 04:54	
EPA 9056A	Sulfate	6.7	mg/L	1.0	02/21/25 04:54	
92780474002	**021825NED1D**					
EPA 7199	Chromium, Hexavalent	0.44	ug/L	0.12	02/19/25 16:48	M1
EPA 6010D	Barium	37.1	ug/L	5.0	02/23/25 19:38	
EPA 6010D	Beryllium	1.3	ug/L	1.0	02/23/25 19:38	
EPA 6010D	Boron	642	ug/L	50.0	02/23/25 19:38	
EPA 6010D	Calcium	12300	ug/L	100	02/23/25 19:38	
EPA 6010D	Chromium	0.65J	ug/L	5.0	02/23/25 19:38	
EPA 6010D	Copper	3.3J	ug/L	5.0	02/23/25 19:38	
EPA 6010D	Nickel	7.2	ug/L	5.0	02/23/25 19:38	
EPA 6010D	Hardness, Total(SM 2340B)	61300	ug/L	662	02/23/25 19:38	
EPA 6010D	Zinc	9.2J	ug/L	10.0	02/23/25 19:38	
EPA 6020B	Cobalt	3.5J	ug/L	5.0	03/12/25 00:43	
EPA 6020B	Lithium	7.8J	ug/L	12.5	03/12/25 00:43	
EPA 6020B	Manganese	73.2	ug/L	10.0	03/12/25 00:43	
EPA 6020B	Potassium	6420	ug/L	500	03/12/25 00:43	
EPA 6020B	Sodium	25500	ug/L	1250	03/12/25 00:43	
SM 2540C-2015	Total Dissolved Solids	196	mg/L	10.0	02/24/25 15:35	
EPA 9056A	Chloride	54.9	mg/L	1.0	02/21/25 05:10	M1
EPA 9056A	Fluoride	0.052J	mg/L	0.10	02/21/25 05:10	M1
EPA 9056A	Sulfate	43.2	mg/L	1.0	02/21/25 05:10	
92780474003	**021825NED9R2**					
EPA 7199	Chromium, Hexavalent	0.50	ug/L	0.12	02/19/25 18:16	H1
EPA 6010D	Barium	28.7	ug/L	5.0	02/23/25 20:03	
EPA 6010D	Boron	55.4	ug/L	50.0	02/23/25 20:03	
EPA 6010D	Calcium	52300	ug/L	100	02/23/25 20:03	
EPA 6010D	Chromium	0.83J	ug/L	5.0	02/23/25 20:03	
EPA 6010D	Copper	2.0J	ug/L	5.0	02/23/25 20:03	
EPA 6010D	Nickel	14.6	ug/L	5.0	02/23/25 20:03	
EPA 6010D	Hardness, Total(SM 2340B)	222000	ug/L	662	02/23/25 20:03	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92780474003	**021825NED9R2**					
EPA 6010D	Zinc	3.5J	ug/L	10.0	02/23/25 20:03	
EPA 6020B	Cobalt	0.34J	ug/L	1.0	03/12/25 01:28	
EPA 6020B	Iron	46.8	ug/L	20.0	03/12/25 01:28	
EPA 6020B	Lithium	29.6	ug/L	2.5	03/12/25 01:28	
EPA 6020B	Manganese	22.9	ug/L	2.0	03/12/25 01:28	
EPA 6020B	Potassium	15500	ug/L	100	03/12/25 01:28	
EPA 6020B	Sodium	5260	ug/L	250	03/12/25 01:28	
EPA 6020B	Thallium	0.041J	ug/L	0.20	03/12/25 01:28	
SM 2540C-2015	Total Dissolved Solids	398	mg/L	10.0	02/24/25 15:37	
EPA 9056A	Chloride	47.3	mg/L	1.0	02/21/25 05:57	
EPA 9056A	Fluoride	0.069J	mg/L	0.10	02/21/25 05:57	
EPA 9056A	Sulfate	138	mg/L	4.0	02/21/25 13:34	
92780474004	**021825NED1605**					
EPA 7199	Chromium, Hexavalent	0.32	ug/L	0.050	02/19/25 12:54	
EPA 6010D	Barium	48.9	ug/L	5.0	02/23/25 20:06	
EPA 6010D	Beryllium	2.7	ug/L	1.0	02/23/25 20:06	
EPA 6010D	Boron	706	ug/L	50.0	02/23/25 20:06	
EPA 6010D	Calcium	29300	ug/L	100	02/23/25 20:06	
EPA 6010D	Chromium	0.75J	ug/L	5.0	02/23/25 20:06	
EPA 6010D	Copper	4.6J	ug/L	5.0	02/23/25 20:06	
EPA 6010D	Nickel	11.3	ug/L	5.0	02/23/25 20:06	
EPA 6010D	Hardness, Total(SM 2340B)	137000	ug/L	662	02/23/25 20:06	
EPA 6010D	Zinc	12.7	ug/L	10.0	02/23/25 20:06	
EPA 6020B	Cobalt	7.0	ug/L	1.0	03/12/25 01:35	
EPA 6020B	Iron	32.6	ug/L	20.0	03/12/25 01:35	
EPA 6020B	Lithium	19.8	ug/L	2.5	03/12/25 01:35	
EPA 6020B	Manganese	974	ug/L	20.0	03/12/25 01:39	
EPA 6020B	Potassium	18300	ug/L	100	03/12/25 01:35	
EPA 6020B	Sodium	15800	ug/L	250	03/12/25 01:35	
EPA 6020B	Thallium	0.077J	ug/L	0.20	03/12/25 01:35	
EPA 7470A	Mercury	0.12J	ug/L	0.20	02/24/25 13:00	
SM 2540C-2015	Total Dissolved Solids	317	mg/L	10.0	02/24/25 15:38	
EPA 9056A	Chloride	42.5	mg/L	1.0	02/21/25 06:13	
EPA 9056A	Fluoride	0.053J	mg/L	0.10	02/21/25 06:13	
EPA 9056A	Sulfate	40.4	mg/L	1.0	02/21/25 06:13	
EPA 9060A	Total Organic Carbon	0.71J	mg/L	1.0	02/26/25 04:22	
EPA 9060A	Total Organic Carbon	0.52J	mg/L	1.0	02/26/25 04:22	
EPA 9060A	Total Organic Carbon	0.57J	mg/L	1.0	02/26/25 04:22	
EPA 9060A	Mean Total Organic Carbon	0.57J	mg/L	1.0	02/26/25 04:22	
92780474005	**021825NSD1603**					
EPA 6010D	Barium	110	ug/L	5.0	02/23/25 20:09	
EPA 6010D	Beryllium	0.59J	ug/L	1.0	02/23/25 20:09	
EPA 6010D	Boron	805	ug/L	50.0	02/23/25 20:09	
EPA 6010D	Calcium	32000	ug/L	100	02/23/25 20:09	
EPA 6010D	Copper	2.3J	ug/L	5.0	02/23/25 20:09	
EPA 6010D	Nickel	5.2	ug/L	5.0	02/23/25 20:09	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92780474005	**021825NSD1603**					
EPA 6010D	Hardness, Total(SM 2340B)	152000	ug/L	662	02/23/25 20:09	
EPA 6010D	Zinc	14.4	ug/L	10.0	02/23/25 20:09	
EPA 6020B	Cobalt	1.8	ug/L	1.0	03/12/25 01:43	
EPA 6020B	Iron	8960	ug/L	20.0	03/12/25 01:43	
EPA 6020B	Lead	0.33J	ug/L	1.0	03/12/25 01:43	
EPA 6020B	Lithium	24.3	ug/L	2.5	03/12/25 01:43	
EPA 6020B	Manganese	599	ug/L	20.0	03/12/25 01:46	
EPA 6020B	Potassium	13300	ug/L	100	03/12/25 01:43	
EPA 6020B	Sodium	4170	ug/L	250	03/12/25 01:43	
SM 2540C-2015	Total Dissolved Solids	337	mg/L	10.0	02/24/25 15:38	
EPA 9056A	Chloride	76.7	mg/L	1.0	02/20/25 15:44	M1
EPA 9056A	Fluoride	0.059J	mg/L	0.10	02/20/25 15:44	
EPA 9056A	Sulfate	41.5	mg/L	1.0	02/20/25 15:44	
92780474006	**021825NDFBBLANK**					
EPA 6010D	Boron	4.4J	ug/L	50.0	02/23/25 20:12	
SM 2540C-2015	Total Dissolved Solids	65.2	mg/L	10.0	02/24/25 15:38	
92780474007	**022025NED1606**					
EPA 7199	Chromium, Hexavalent	0.96	ug/L	0.12	02/21/25 13:41	
EPA 6010D	Barium	33.1	ug/L	5.0	02/23/25 20:15	
EPA 6010D	Beryllium	1.7	ug/L	1.0	02/23/25 20:15	
EPA 6010D	Boron	936	ug/L	50.0	02/23/25 20:15	
EPA 6010D	Calcium	19200	ug/L	100	02/23/25 20:15	
EPA 6010D	Chromium	1.8J	ug/L	5.0	02/23/25 20:15	
EPA 6010D	Copper	5.8	ug/L	5.0	02/23/25 20:15	
EPA 6010D	Nickel	8.4	ug/L	5.0	02/23/25 20:15	
EPA 6010D	Hardness, Total(SM 2340B)	92400	ug/L	662	02/23/25 20:15	
EPA 6010D	Zinc	8.3J	ug/L	10.0	02/23/25 20:15	
EPA 6020B	Cobalt	2.0	ug/L	1.0	03/17/25 17:03	
EPA 6020B	Iron	292	ug/L	20.0	03/17/25 17:03	
EPA 6020B	Lead	0.35J	ug/L	1.0	03/17/25 17:03	
EPA 6020B	Lithium	7.1	ug/L	2.5	03/17/25 17:03	
EPA 6020B	Manganese	169	ug/L	2.0	03/17/25 17:03	
EPA 6020B	Potassium	9260	ug/L	100	03/17/25 17:03	
EPA 6020B	Sodium	31500	ug/L	2500	03/17/25 17:07	
EPA 6020B	Tin	0.15J	ug/L	1.0	03/17/25 17:03	
SM 2540C-2015	Total Dissolved Solids	120	mg/L	10.0	02/25/25 11:06	
EPA 9056A	Chloride	79.9	mg/L	1.0	02/22/25 15:00	
EPA 9056A	Sulfate	58.5	mg/L	1.0	02/22/25 15:00	
92780474008	**022025NSD1604**					
EPA 6010D	Barium	107	ug/L	5.0	02/23/25 20:19	
EPA 6010D	Beryllium	0.43J	ug/L	1.0	02/23/25 20:19	
EPA 6010D	Boron	1250	ug/L	50.0	02/23/25 20:19	
EPA 6010D	Calcium	28300	ug/L	100	02/23/25 20:19	
EPA 6010D	Chromium	1.1J	ug/L	5.0	02/23/25 20:19	
EPA 6010D	Copper	0.89J	ug/L	5.0	02/23/25 20:19	
EPA 6010D	Nickel	2.6J	ug/L	5.0	02/23/25 20:19	

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

SUMMARY OF DETECTION

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92780474008	**022025NSD1604**					
EPA 6010D	Hardness, Total(SM 2340B)	134000	ug/L	662	02/23/25 20:19	
EPA 6010D	Zinc	3.5J	ug/L	10.0	02/23/25 20:19	
EPA 6020B	Iron	13000	ug/L	200	03/17/25 17:22	
EPA 6020B	Lithium	13.4	ug/L	2.5	03/17/25 17:19	
EPA 6020B	Manganese	878	ug/L	20.0	03/17/25 17:22	
EPA 6020B	Potassium	12600	ug/L	100	03/17/25 17:19	
EPA 6020B	Sodium	17400	ug/L	250	03/17/25 17:19	
SM 2540C-2015	Total Dissolved Solids	348	mg/L	10.0	02/27/25 16:50	
EPA 9056A	Chloride	93.8	mg/L	1.0	02/22/25 15:40	
EPA 9056A	Sulfate	76.7	mg/L	1.0	02/22/25 15:40	
92780474009	**022025NDFDDUPLICATE**					
EPA 6010D	Barium	106	ug/L	5.0	02/23/25 20:22	
EPA 6010D	Beryllium	0.42J	ug/L	1.0	02/23/25 20:22	
EPA 6010D	Boron	1260	ug/L	50.0	02/23/25 20:22	
EPA 6010D	Calcium	28800	ug/L	100	02/23/25 20:22	
EPA 6010D	Nickel	0.94J	ug/L	5.0	02/23/25 20:22	
EPA 6010D	Hardness, Total(SM 2340B)	136000	ug/L	662	02/23/25 20:22	
EPA 6020B	Iron	13600	ug/L	200	03/17/25 17:30	
EPA 6020B	Lithium	13.9	ug/L	2.5	03/17/25 17:26	
EPA 6020B	Manganese	928	ug/L	20.0	03/17/25 17:30	
EPA 6020B	Potassium	13100	ug/L	100	03/17/25 17:26	
EPA 6020B	Sodium	17900	ug/L	250	03/17/25 17:26	
SM 2540C-2015	Total Dissolved Solids	342	mg/L	10.0	02/27/25 16:52	
EPA 9056A	Chloride	94.2	mg/L	1.0	02/22/25 15:54	
EPA 9056A	Sulfate	74.8	mg/L	1.0	02/22/25 15:54	

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Method: **EPA 7199**
Description: 7199 Chromium, Hexavalent
Client: Dominion Energy_VA
Date: March 26, 2025

General Information:
9 samples were analyzed for EPA 7199 by Pace Analytical Services Charlotte. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.
- 021825NED9R2 (Lab ID: 92780474003)

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 917201

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92780474002,92780477002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- MS (Lab ID: 4713642)
  - Chromium, Hexavalent
- MS (Lab ID: 4713644)
  - Chromium, Hexavalent

QC Batch: 917723

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92780713003

M2: Matrix spike recovery was below QC limits due to sample dilution. Data acceptance based on laboratory control sample (LCS) recovery.
- MS (Lab ID: 4716728)
  - Chromium, Hexavalent
- MSD (Lab ID: 4716729)
  - Chromium, Hexavalent

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Method: **EPA 7199**
Description: 7199 Chromium, Hexavalent
Client: Dominion Energy_VA
Date: March 26, 2025

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 917201

- 021825NED1605 (Lab ID: 92780474004)
  - Chromium, Hexavalent

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Method: **EPA 6010D**
Description: 6010 MET ICP
Client: Dominion Energy_VA
Date: March 26, 2025

General Information:
9 samples were analyzed for EPA 6010D by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Method: **EPA 6020B**
Description: 6020 MET ICPMS
Client: Dominion Energy_VA
Date: March 26, 2025

General Information:
9 samples were analyzed for EPA 6020B by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 919050

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s):
92777579004,92780474002,92780477002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4722981)
  - Sodium
- MS (Lab ID: 4722985)
  - Iron
- MSD (Lab ID: 4722982)
  - Sodium
- MSD (Lab ID: 4722984)
  - Iron
  - Tin

R1: RPD value was outside control limits.

- MSD (Lab ID: 4722984)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Method: **EPA 6020B**
Description: 6020 MET ICPMS
Client: Dominion Energy_VA
Date: March 26, 2025

QC Batch: 919050

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92777579004,92780474002,92780477002

R1: RPD value was outside control limits.

- Iron
- Tin

QC Batch: 921722

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92781010038

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 4735854)
  - Potassium

Additional Comments:

Analyte Comments:

QC Batch: 919050

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 021825NED1D (Lab ID: 92780474002)
  - Iron
  - Lead
  - Tin
  - Thallium

QC Batch: 921722

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 4735853)
  - Manganese
- MSD (Lab ID: 4735854)
  - Manganese
  - Sodium

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Method: **EPA 7470A**
Description: 7470 Mercury
Client: Dominion Energy_VA
Date: March 26, 2025

General Information:
9 samples were analyzed for EPA 7470A by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Method: **EPA 9066**
Description: Wet Chemistry 9066
Client: Dominion Energy_VA
Date: March 26, 2025

General Information:
9 samples were analyzed for EPA 9066 by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Method: **SM 2540C-2015**
Description: 2540C Total Dissolved Solids
Client: Dominion Energy_VA
Date: March 26, 2025

General Information:
9 samples were analyzed for SM 2540C-2015 by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Method: **EPA 9056A**
Description: 9056 IC anions 28 Days
Client: Dominion Energy_VA
Date: March 26, 2025

General Information:
9 samples were analyzed for EPA 9056A by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 917412

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92780474005

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4715157)
  - Chloride
- MSD (Lab ID: 4715158)
  - Chloride

QC Batch: 917605

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92780474002,92780477002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4716296)
  - Chloride
- MSD (Lab ID: 4716297)
  - Chloride
  - Fluoride
- MSD (Lab ID: 4716299)
  - Fluoride

QC Batch: 917919

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92780713003,92780965001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 4717839)
  - Sulfate

R1: RPD value was outside control limits.

- MSD (Lab ID: 4717839)
  - Sulfate

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Method: **EPA 9056A**
Description: 9056 IC anions 28 Days
Client: Dominion Energy_VA
Date: March 26, 2025

Additional Comments:

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Method: **EPA 9060A**
Description: Total Organic Carbon,Asheville
Client: Dominion Energy_VA
Date: March 26, 2025

General Information:
9 samples were analyzed for EPA 9060A by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Sample: 021825NED1612 **Lab ID: 92780474001** Collected: 02/18/25 15:15 Received: 02/19/25 10:48 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	ND	ug/L	0.025	0.0043	1		02/19/25 13:29	18540-29-9	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony	ND	ug/L	5.0	3.6	1	02/22/25 00:00	02/23/25 20:00	7440-36-0	
Arsenic	ND	ug/L	10.0	2.5	1	02/22/25 00:00	02/23/25 20:00	7440-38-2	
Barium	**30.0**	ug/L	5.0	0.79	1	02/22/25 00:00	02/23/25 20:00	7440-39-3	
Beryllium	ND	ug/L	1.0	0.16	1	02/22/25 00:00	02/23/25 20:00	7440-41-7	
Boron	**17.3J**	ug/L	50.0	4.0	1	02/22/25 00:00	02/23/25 20:00	7440-42-8	
Cadmium	ND	ug/L	1.0	0.29	1	02/22/25 00:00	02/23/25 20:00	7440-43-9	
Calcium	**9630**	ug/L	100	14.7	1	02/22/25 00:00	02/23/25 20:00	7440-70-2	
Chromium	ND	ug/L	5.0	0.63	1	02/22/25 00:00	02/23/25 20:00	7440-47-3	
Copper	**0.63J**	ug/L	5.0	0.62	1	02/22/25 00:00	02/23/25 20:00	7440-50-8	
Molybdenum	**4.6J**	ug/L	5.0	2.6	1	02/22/25 00:00	02/23/25 20:00	7439-98-7	
Nickel	**0.90J**	ug/L	5.0	0.88	1	02/22/25 00:00	02/23/25 20:00	7440-02-0	
Selenium	ND	ug/L	10.0	4.1	1	02/22/25 00:00	02/24/25 14:14	7782-49-2	
Silver	ND	ug/L	5.0	0.49	1	02/22/25 00:00	02/23/25 20:00	7440-22-4	
Hardness, Total(SM 2340B)	**37500**	ug/L	662	36.8	1	02/22/25 00:00	02/23/25 20:00		
Vanadium	ND	ug/L	5.0	1.6	1	02/22/25 00:00	02/23/25 20:00	7440-62-2	
Zinc	ND	ug/L	10.0	3.0	1	02/22/25 00:00	02/23/25 20:00	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Cobalt	**0.21J**	ug/L	1.0	0.14	1	02/27/25 15:55	03/12/25 00:35	7440-48-4	
Iron	**894**	ug/L	20.0	3.0	1	02/27/25 15:55	03/12/25 00:35	7439-89-6	
Lead	ND	ug/L	1.0	0.18	1	02/27/25 15:55	03/12/25 00:35	7439-92-1	
Lithium	**10.6**	ug/L	2.5	0.33	1	02/27/25 15:55	03/12/25 00:35	7439-93-2	
Manganese	**119**	ug/L	2.0	0.24	1	02/27/25 15:55	03/12/25 00:35	7439-96-5	
Potassium	**7230**	ug/L	100	18.0	1	02/27/25 15:55	03/12/25 00:35	7440-09-7	
Sodium	**11900**	ug/L	250	14.4	1	02/27/25 15:55	03/12/25 00:35	7440-23-5	
Thallium	ND	ug/L	0.20	0.028	1	02/27/25 15:55	03/12/25 00:35	7440-28-0	
Tin	ND	ug/L	1.0	0.14	1	02/27/25 15:55	03/12/25 00:35	7440-31-5	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	0.12	1	02/22/25 19:50	02/24/25 12:49	7439-97-6	
Wet Chemistry 9066	Analytical Method: EPA 9066 Preparation Method: SW-846 9066 Pace National - Mt. Juliet								
Phenolics, Total Recoverable	ND	mg/L	0.0400	0.0115	1	02/28/25 09:33	02/28/25 14:36	64743-03-9	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**114**	mg/L	10.0	10.0	1		02/24/25 15:34		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Sample: 021825NED1612 **Lab ID: 92780474001** Collected: 02/18/25 15:15 Received: 02/19/25 10:48 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**1.9**	mg/L	1.0	0.60	1		02/21/25 04:54	16887-00-6	
Fluoride	**0.43**	mg/L	0.10	0.050	1		02/21/25 04:54	16984-48-8	
Sulfate	**6.7**	mg/L	1.0	0.50	1		02/21/25 04:54	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 02:54	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 02:54	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 02:54	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 02:54	7440-44-0	
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 02:54	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Sample: 021825NED1D **Lab ID: 92780474002** Collected: 02/18/25 17:45 Received: 02/19/25 10:48 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	**0.44**	ug/L	0.12	0.022	5		02/19/25 16:48	18540-29-9	M1
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony	ND	ug/L	5.0	3.6	1	02/22/25 00:00	02/23/25 19:38	7440-36-0	
Arsenic	ND	ug/L	10.0	2.5	1	02/22/25 00:00	02/23/25 19:38	7440-38-2	
Barium	**37.1**	ug/L	5.0	0.79	1	02/22/25 00:00	02/23/25 19:38	7440-39-3	
Beryllium	**1.3**	ug/L	1.0	0.16	1	02/22/25 00:00	02/23/25 19:38	7440-41-7	
Boron	**642**	ug/L	50.0	4.0	1	02/22/25 00:00	02/23/25 19:38	7440-42-8	
Cadmium	ND	ug/L	1.0	0.29	1	02/22/25 00:00	02/23/25 19:38	7440-43-9	
Calcium	**12300**	ug/L	100	14.7	1	02/22/25 00:00	02/23/25 19:38	7440-70-2	
Chromium	**0.65J**	ug/L	5.0	0.63	1	02/22/25 00:00	02/23/25 19:38	7440-47-3	
Copper	**3.3J**	ug/L	5.0	0.62	1	02/22/25 00:00	02/23/25 19:38	7440-50-8	
Molybdenum	ND	ug/L	5.0	2.6	1	02/22/25 00:00	02/23/25 19:38	7439-98-7	
Nickel	**7.2**	ug/L	5.0	0.88	1	02/22/25 00:00	02/23/25 19:38	7440-02-0	
Selenium	ND	ug/L	10.0	4.1	1	02/22/25 00:00	02/24/25 13:53	7782-49-2	
Silver	ND	ug/L	5.0	0.49	1	02/22/25 00:00	02/23/25 19:38	7440-22-4	
Hardness, Total(SM 2340B)	**61300**	ug/L	662	36.8	1	02/22/25 00:00	02/23/25 19:38		
Vanadium	ND	ug/L	5.0	1.6	1	02/22/25 00:00	02/23/25 19:38	7440-62-2	
Zinc	**9.2J**	ug/L	10.0	3.0	1	02/22/25 00:00	02/23/25 19:38	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Cobalt	**3.5J**	ug/L	5.0	0.71	5	02/27/25 15:55	03/12/25 00:43	7440-48-4	
Iron	ND	ug/L	100	14.9	5	02/27/25 15:55	03/12/25 00:43	7439-89-6	D3,M1, R1
Lead	ND	ug/L	5.0	0.88	5	02/27/25 15:55	03/12/25 00:43	7439-92-1	D3
Lithium	**7.8J**	ug/L	12.5	1.7	5	02/27/25 15:55	03/12/25 00:43	7439-93-2	
Manganese	**73.2**	ug/L	10.0	1.2	5	02/27/25 15:55	03/12/25 00:43	7439-96-5	
Potassium	**6420**	ug/L	500	90.1	5	02/27/25 15:55	03/12/25 00:43	7440-09-7	
Sodium	**25500**	ug/L	1250	72.0	5	02/27/25 15:55	03/12/25 00:43	7440-23-5	
Thallium	ND	ug/L	1.0	0.14	5	02/27/25 15:55	03/12/25 00:43	7440-28-0	D3
Tin	ND	ug/L	5.0	0.72	5	02/27/25 15:55	03/12/25 00:43	7440-31-5	D3,M1, R1
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	0.12	1	02/22/25 19:50	02/24/25 12:51	7439-97-6	
Wet Chemistry 9066	Analytical Method: EPA 9066 Preparation Method: SW-846 9066 Pace National - Mt. Juliet								
Phenolics, Total Recoverable	ND	mg/L	0.0400	0.0115	1	02/28/25 09:33	02/28/25 14:37	64743-03-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Sample: 021825NED1D **Lab ID: 92780474002** Collected: 02/18/25 17:45 Received: 02/19/25 10:48 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**196**	mg/L	10.0	10.0	1		02/24/25 15:35		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**54.9**	mg/L	1.0	0.60	1		02/21/25 05:10	16887-00-6	M1
Fluoride	**0.052J**	mg/L	0.10	0.050	1		02/21/25 05:10	16984-48-8	M1
Sulfate	**43.2**	mg/L	1.0	0.50	1		02/21/25 05:10	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 03:12	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 03:12	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 03:12	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 03:12	7440-44-0	
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 03:12	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Sample: 021825NED9R2 **Lab ID: 92780474003** Collected: 02/18/25 15:48 Received: 02/19/25 10:48 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	**0.50**	ug/L	0.12	0.022	5		02/19/25 18:16	18540-29-9	H1
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony	ND	ug/L	5.0	3.6	1	02/22/25 00:00	02/23/25 20:03	7440-36-0	
Arsenic	ND	ug/L	10.0	2.5	1	02/22/25 00:00	02/23/25 20:03	7440-38-2	
Barium	**28.7**	ug/L	5.0	0.79	1	02/22/25 00:00	02/23/25 20:03	7440-39-3	
Beryllium	ND	ug/L	1.0	0.16	1	02/22/25 00:00	02/23/25 20:03	7440-41-7	
Boron	**55.4**	ug/L	50.0	4.0	1	02/22/25 00:00	02/23/25 20:03	7440-42-8	
Cadmium	ND	ug/L	1.0	0.29	1	02/22/25 00:00	02/23/25 20:03	7440-43-9	
Calcium	**52300**	ug/L	100	14.7	1	02/22/25 00:00	02/23/25 20:03	7440-70-2	
Chromium	**0.83J**	ug/L	5.0	0.63	1	02/22/25 00:00	02/23/25 20:03	7440-47-3	
Copper	**2.0J**	ug/L	5.0	0.62	1	02/22/25 00:00	02/23/25 20:03	7440-50-8	
Molybdenum	ND	ug/L	5.0	2.6	1	02/22/25 00:00	02/23/25 20:03	7439-98-7	
Nickel	**14.6**	ug/L	5.0	0.88	1	02/22/25 00:00	02/23/25 20:03	7440-02-0	
Selenium	ND	ug/L	10.0	4.1	1	02/22/25 00:00	02/24/25 14:18	7782-49-2	
Silver	ND	ug/L	5.0	0.49	1	02/22/25 00:00	02/23/25 20:03	7440-22-4	
Hardness, Total(SM 2340B)	**222000**	ug/L	662	36.8	1	02/22/25 00:00	02/23/25 20:03		
Vanadium	ND	ug/L	5.0	1.6	1	02/22/25 00:00	02/23/25 20:03	7440-62-2	
Zinc	**3.5J**	ug/L	10.0	3.0	1	02/22/25 00:00	02/23/25 20:03	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Cobalt	**0.34J**	ug/L	1.0	0.14	1	02/27/25 15:55	03/12/25 01:28	7440-48-4	
Iron	**46.8**	ug/L	20.0	3.0	1	02/27/25 15:55	03/12/25 01:28	7439-89-6	
Lead	ND	ug/L	1.0	0.18	1	02/27/25 15:55	03/12/25 01:28	7439-92-1	
Lithium	**29.6**	ug/L	2.5	0.33	1	02/27/25 15:55	03/12/25 01:28	7439-93-2	
Manganese	**22.9**	ug/L	2.0	0.24	1	02/27/25 15:55	03/12/25 01:28	7439-96-5	
Potassium	**15500**	ug/L	100	18.0	1	02/27/25 15:55	03/12/25 01:28	7440-09-7	
Sodium	**5260**	ug/L	250	14.4	1	02/27/25 15:55	03/12/25 01:28	7440-23-5	
Thallium	**0.041J**	ug/L	0.20	0.028	1	02/27/25 15:55	03/12/25 01:28	7440-28-0	
Tin	ND	ug/L	1.0	0.14	1	02/27/25 15:55	03/12/25 01:28	7440-31-5	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	0.12	1	02/22/25 19:50	02/24/25 12:57	7439-97-6	
Wet Chemistry 9066	Analytical Method: EPA 9066 Preparation Method: SW-846 9066 Pace National - Mt. Juliet								
Phenolics, Total Recoverable	ND	mg/L	0.0400	0.0115	1	02/28/25 09:33	02/28/25 14:39	64743-03-9	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**398**	mg/L	10.0	10.0	1		02/24/25 15:37		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Sample: 021825NED9R2 **Lab ID: 92780474003** Collected: 02/18/25 15:48 Received: 02/19/25 10:48 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**47.3**	mg/L	1.0	0.60	1		02/21/25 05:57	16887-00-6	
Fluoride	**0.069J**	mg/L	0.10	0.050	1		02/21/25 05:57	16984-48-8	
Sulfate	**138**	mg/L	4.0	2.0	4		02/21/25 13:34	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 04:05	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 04:05	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 04:05	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 04:05	7440-44-0	
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 04:05	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Sample: 021825NED1605 **Lab ID: 92780474004** Collected: 02/18/25 13:10 Received: 02/19/25 10:48 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	**0.32**	ug/L	0.050	0.0086	2		02/19/25 12:54	18540-29-9	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony	ND	ug/L	5.0	3.6	1	02/22/25 00:00	02/23/25 20:06	7440-36-0	
Arsenic	ND	ug/L	10.0	2.5	1	02/22/25 00:00	02/23/25 20:06	7440-38-2	
Barium	**48.9**	ug/L	5.0	0.79	1	02/22/25 00:00	02/23/25 20:06	7440-39-3	
Beryllium	**2.7**	ug/L	1.0	0.16	1	02/22/25 00:00	02/23/25 20:06	7440-41-7	
Boron	**706**	ug/L	50.0	4.0	1	02/22/25 00:00	02/23/25 20:06	7440-42-8	
Cadmium	ND	ug/L	1.0	0.29	1	02/22/25 00:00	02/23/25 20:06	7440-43-9	
Calcium	**29300**	ug/L	100	14.7	1	02/22/25 00:00	02/23/25 20:06	7440-70-2	
Chromium	**0.75J**	ug/L	5.0	0.63	1	02/22/25 00:00	02/23/25 20:06	7440-47-3	
Copper	**4.6J**	ug/L	5.0	0.62	1	02/22/25 00:00	02/23/25 20:06	7440-50-8	
Molybdenum	ND	ug/L	5.0	2.6	1	02/22/25 00:00	02/23/25 20:06	7439-98-7	
Nickel	**11.3**	ug/L	5.0	0.88	1	02/22/25 00:00	02/23/25 20:06	7440-02-0	
Selenium	ND	ug/L	10.0	4.1	1	02/22/25 00:00	02/24/25 14:21	7782-49-2	
Silver	ND	ug/L	5.0	0.49	1	02/22/25 00:00	02/23/25 20:06	7440-22-4	
Hardness, Total(SM 2340B)	**137000**	ug/L	662	36.8	1	02/22/25 00:00	02/23/25 20:06		
Vanadium	ND	ug/L	5.0	1.6	1	02/22/25 00:00	02/23/25 20:06	7440-62-2	
Zinc	**12.7**	ug/L	10.0	3.0	1	02/22/25 00:00	02/23/25 20:06	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Cobalt	**7.0**	ug/L	1.0	0.14	1	02/27/25 15:55	03/12/25 01:35	7440-48-4	
Iron	**32.6**	ug/L	20.0	3.0	1	02/27/25 15:55	03/12/25 01:35	7439-89-6	
Lead	ND	ug/L	1.0	0.18	1	02/27/25 15:55	03/12/25 01:35	7439-92-1	
Lithium	**19.8**	ug/L	2.5	0.33	1	02/27/25 15:55	03/12/25 01:35	7439-93-2	
Manganese	**974**	ug/L	20.0	2.4	10	02/27/25 15:55	03/12/25 01:39	7439-96-5	
Potassium	**18300**	ug/L	100	18.0	1	02/27/25 15:55	03/12/25 01:35	7440-09-7	
Sodium	**15800**	ug/L	250	14.4	1	02/27/25 15:55	03/12/25 01:35	7440-23-5	
Thallium	**0.077J**	ug/L	0.20	0.028	1	02/27/25 15:55	03/12/25 01:35	7440-28-0	
Tin	ND	ug/L	1.0	0.14	1	02/27/25 15:55	03/12/25 01:35	7440-31-5	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	**0.12J**	ug/L	0.20	0.12	1	02/22/25 19:50	02/24/25 13:00	7439-97-6	
Wet Chemistry 9066	Analytical Method: EPA 9066 Preparation Method: SW-846 9066 Pace National - Mt. Juliet								
Phenolics, Total Recoverable	ND	mg/L	0.0400	0.0115	1	02/28/25 09:33	02/28/25 14:40	64743-03-9	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**317**	mg/L	10.0	10.0	1		02/24/25 15:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Sample: 021825NED1605 **Lab ID: 92780474004** Collected: 02/18/25 13:10 Received: 02/19/25 10:48 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**42.5**	mg/L	1.0	0.60	1		02/21/25 06:13	16887-00-6	
Fluoride	**0.053J**	mg/L	0.10	0.050	1		02/21/25 06:13	16984-48-8	
Sulfate	**40.4**	mg/L	1.0	0.50	1		02/21/25 06:13	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Total Organic Carbon	**0.71J**	mg/L	1.0	0.50	1		02/26/25 04:22	7440-44-0	
Total Organic Carbon	**0.52J**	mg/L	1.0	0.50	1		02/26/25 04:22	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 04:22	7440-44-0	
Total Organic Carbon	**0.57J**	mg/L	1.0	0.50	1		02/26/25 04:22	7440-44-0	
Mean Total Organic Carbon	**0.57J**	mg/L	1.0	0.50	1		02/26/25 04:22	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Sample: 021825NSD1603 **Lab ID: 92780474005** Collected: 02/18/25 15:35 Received: 02/19/25 10:48 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	ND	ug/L	0.025	0.0043	1		02/19/25 13:33	18540-29-9	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony	ND	ug/L	5.0	3.6	1	02/22/25 00:00	02/23/25 20:09	7440-36-0	
Arsenic	ND	ug/L	10.0	2.5	1	02/22/25 00:00	02/23/25 20:09	7440-38-2	
Barium	**110**	ug/L	5.0	0.79	1	02/22/25 00:00	02/23/25 20:09	7440-39-3	
Beryllium	**0.59J**	ug/L	1.0	0.16	1	02/22/25 00:00	02/23/25 20:09	7440-41-7	
Boron	**805**	ug/L	50.0	4.0	1	02/22/25 00:00	02/23/25 20:09	7440-42-8	
Cadmium	ND	ug/L	1.0	0.29	1	02/22/25 00:00	02/23/25 20:09	7440-43-9	
Calcium	**32000**	ug/L	100	14.7	1	02/22/25 00:00	02/23/25 20:09	7440-70-2	
Chromium	ND	ug/L	5.0	0.63	1	02/22/25 00:00	02/23/25 20:09	7440-47-3	
Copper	**2.3J**	ug/L	5.0	0.62	1	02/22/25 00:00	02/23/25 20:09	7440-50-8	
Molybdenum	ND	ug/L	5.0	2.6	1	02/22/25 00:00	02/23/25 20:09	7439-98-7	
Nickel	**5.2**	ug/L	5.0	0.88	1	02/22/25 00:00	02/23/25 20:09	7440-02-0	
Selenium	ND	ug/L	10.0	4.1	1	02/22/25 00:00	02/24/25 14:24	7782-49-2	
Silver	ND	ug/L	5.0	0.49	1	02/22/25 00:00	02/23/25 20:09	7440-22-4	
Hardness, Total(SM 2340B)	**152000**	ug/L	662	36.8	1	02/22/25 00:00	02/23/25 20:09		
Vanadium	ND	ug/L	5.0	1.6	1	02/22/25 00:00	02/23/25 20:09	7440-62-2	
Zinc	**14.4**	ug/L	10.0	3.0	1	02/22/25 00:00	02/23/25 20:09	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Cobalt	**1.8**	ug/L	1.0	0.14	1	02/27/25 15:55	03/12/25 01:43	7440-48-4	
Iron	**8960**	ug/L	20.0	3.0	1	02/27/25 15:55	03/12/25 01:43	7439-89-6	
Lead	**0.33J**	ug/L	1.0	0.18	1	02/27/25 15:55	03/12/25 01:43	7439-92-1	
Lithium	**24.3**	ug/L	2.5	0.33	1	02/27/25 15:55	03/12/25 01:43	7439-93-2	
Manganese	**599**	ug/L	20.0	2.4	10	02/27/25 15:55	03/12/25 01:46	7439-96-5	
Potassium	**13300**	ug/L	100	18.0	1	02/27/25 15:55	03/12/25 01:43	7440-09-7	
Sodium	**4170**	ug/L	250	14.4	1	02/27/25 15:55	03/12/25 01:43	7440-23-5	
Thallium	ND	ug/L	0.20	0.028	1	02/27/25 15:55	03/12/25 01:43	7440-28-0	
Tin	ND	ug/L	1.0	0.14	1	02/27/25 15:55	03/12/25 01:43	7440-31-5	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	0.12	1	02/22/25 19:50	02/24/25 13:02	7439-97-6	
Wet Chemistry 9066	Analytical Method: EPA 9066 Preparation Method: SW-846 9066 Pace National - Mt. Juliet								
Phenolics, Total Recoverable	ND	mg/L	0.0400	0.0115	1	03/03/25 11:39	03/03/25 17:02	64743-03-9	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**337**	mg/L	10.0	10.0	1		02/24/25 15:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Sample: 021825NSD1603 **Lab ID: 92780474005** Collected: 02/18/25 15:35 Received: 02/19/25 10:48 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**76.7**	mg/L	1.0	0.60	1		02/20/25 15:44	16887-00-6	M1
Fluoride	**0.059J**	mg/L	0.10	0.050	1		02/20/25 15:44	16984-48-8	
Sulfate	**41.5**	mg/L	1.0	0.50	1		02/20/25 15:44	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 15:59	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 15:59	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 15:59	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 15:59	7440-44-0	
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 15:59	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Sample: 021825NDFBBLANK **Lab ID: 92780474006** Collected: 02/18/25 14:10 Received: 02/19/25 10:48 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	ND	ug/L	0.025	0.0043	1		02/19/25 12:33	18540-29-9	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony	ND	ug/L	5.0	3.6	1	02/22/25 00:00	02/23/25 20:12	7440-36-0	
Arsenic	ND	ug/L	10.0	2.5	1	02/22/25 00:00	02/23/25 20:12	7440-38-2	
Barium	ND	ug/L	5.0	0.79	1	02/22/25 00:00	02/23/25 20:12	7440-39-3	
Beryllium	ND	ug/L	1.0	0.16	1	02/22/25 00:00	02/23/25 20:12	7440-41-7	
Boron	**4.4J**	ug/L	50.0	4.0	1	02/22/25 00:00	02/23/25 20:12	7440-42-8	
Cadmium	ND	ug/L	1.0	0.29	1	02/22/25 00:00	02/23/25 20:12	7440-43-9	
Calcium	ND	ug/L	100	14.7	1	02/22/25 00:00	02/23/25 20:12	7440-70-2	
Chromium	ND	ug/L	5.0	0.63	1	02/22/25 00:00	02/23/25 20:12	7440-47-3	
Copper	ND	ug/L	5.0	0.62	1	02/22/25 00:00	02/23/25 20:12	7440-50-8	
Molybdenum	ND	ug/L	5.0	2.6	1	02/22/25 00:00	02/23/25 20:12	7439-98-7	
Nickel	ND	ug/L	5.0	0.88	1	02/22/25 00:00	02/23/25 20:12	7440-02-0	
Selenium	ND	ug/L	10.0	4.1	1	02/22/25 00:00	02/24/25 14:27	7782-49-2	
Silver	ND	ug/L	5.0	0.49	1	02/22/25 00:00	02/23/25 20:12	7440-22-4	
Hardness, Total(SM 2340B)	ND	ug/L	662	36.8	1	02/22/25 00:00	02/23/25 20:12		
Vanadium	ND	ug/L	5.0	1.6	1	02/22/25 00:00	02/23/25 20:12	7440-62-2	
Zinc	ND	ug/L	10.0	3.0	1	02/22/25 00:00	02/23/25 20:12	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Cobalt	ND	ug/L	1.0	0.14	1	03/12/25 13:10	03/13/25 19:58	7440-48-4	
Iron	ND	ug/L	20.0	3.0	1	03/12/25 13:10	03/13/25 19:58	7439-89-6	
Lead	ND	ug/L	1.0	0.18	1	03/12/25 13:10	03/13/25 19:58	7439-92-1	
Lithium	ND	ug/L	2.5	0.33	1	03/12/25 13:10	03/13/25 19:58	7439-93-2	
Manganese	ND	ug/L	2.0	0.24	1	03/12/25 13:10	03/13/25 19:58	7439-96-5	
Potassium	ND	ug/L	100	18.0	1	03/12/25 13:10	03/13/25 19:58	7440-09-7	
Sodium	ND	ug/L	250	14.4	1	03/12/25 13:10	03/13/25 19:58	7440-23-5	
Thallium	ND	ug/L	0.20	0.028	1	03/12/25 13:10	03/13/25 19:58	7440-28-0	
Tin	ND	ug/L	1.0	0.14	1	03/12/25 13:10	03/13/25 19:58	7440-31-5	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	0.12	1	02/22/25 19:50	02/24/25 13:08	7439-97-6	
Wet Chemistry 9066	Analytical Method: EPA 9066 Preparation Method: SW-846 9066 Pace National - Mt. Juliet								
Phenolics, Total Recoverable	ND	mg/L	0.0400	0.0115	1	03/03/25 11:39	03/03/25 17:03	64743-03-9	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**65.2**	mg/L	10.0	10.0	1		02/24/25 15:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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(704)875-9092

ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Sample: 021825NDFBBLANK **Lab ID: 92780474006** Collected: 02/18/25 14:10 Received: 02/19/25 10:48 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/21/25 00:09	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/25 00:09	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/21/25 00:09	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 05:36	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 05:36	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 05:36	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 05:36	7440-44-0	
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 05:36	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Sample: 022025NED1606 **Lab ID: 92780474007** Collected: 02/20/25 14:15 Received: 02/21/25 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	**0.96**	ug/L	0.12	0.022	5		02/21/25 13:41	18540-29-9	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony	ND	ug/L	5.0	3.6	1	02/22/25 00:00	02/23/25 20:15	7440-36-0	
Arsenic	ND	ug/L	10.0	2.5	1	02/22/25 00:00	02/23/25 20:15	7440-38-2	
Barium	**33.1**	ug/L	5.0	0.79	1	02/22/25 00:00	02/23/25 20:15	7440-39-3	
Beryllium	**1.7**	ug/L	1.0	0.16	1	02/22/25 00:00	02/23/25 20:15	7440-41-7	
Boron	**936**	ug/L	50.0	4.0	1	02/22/25 00:00	02/23/25 20:15	7440-42-8	
Cadmium	ND	ug/L	1.0	0.29	1	02/22/25 00:00	02/23/25 20:15	7440-43-9	
Calcium	**19200**	ug/L	100	14.7	1	02/22/25 00:00	02/23/25 20:15	7440-70-2	
Chromium	**1.8J**	ug/L	5.0	0.63	1	02/22/25 00:00	02/23/25 20:15	7440-47-3	
Copper	**5.8**	ug/L	5.0	0.62	1	02/22/25 00:00	02/23/25 20:15	7440-50-8	
Molybdenum	ND	ug/L	5.0	2.6	1	02/22/25 00:00	02/23/25 20:15	7439-98-7	
Nickel	**8.4**	ug/L	5.0	0.88	1	02/22/25 00:00	02/23/25 20:15	7440-02-0	
Selenium	ND	ug/L	10.0	4.1	1	02/22/25 00:00	02/24/25 14:30	7782-49-2	
Silver	ND	ug/L	5.0	0.49	1	02/22/25 00:00	02/23/25 20:15	7440-22-4	
Hardness, Total(SM 2340B)	**92400**	ug/L	662	36.8	1	02/22/25 00:00	02/23/25 20:15		
Vanadium	ND	ug/L	5.0	1.6	1	02/22/25 00:00	02/23/25 20:15	7440-62-2	
Zinc	**8.3J**	ug/L	10.0	3.0	1	02/22/25 00:00	02/23/25 20:15	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Cobalt	**2.0**	ug/L	1.0	0.14	1	03/13/25 01:00	03/17/25 17:03	7440-48-4	
Iron	**292**	ug/L	20.0	3.0	1	03/13/25 01:00	03/17/25 17:03	7439-89-6	
Lead	**0.35J**	ug/L	1.0	0.18	1	03/13/25 01:00	03/17/25 17:03	7439-92-1	
Lithium	**7.1**	ug/L	2.5	0.33	1	03/13/25 01:00	03/17/25 17:03	7439-93-2	
Manganese	**169**	ug/L	2.0	0.24	1	03/13/25 01:00	03/17/25 17:03	7439-96-5	
Potassium	**9260**	ug/L	100	18.0	1	03/13/25 01:00	03/17/25 17:03	7440-09-7	
Sodium	**31500**	ug/L	2500	144	10	03/13/25 01:00	03/17/25 17:07	7440-23-5	
Thallium	ND	ug/L	0.20	0.028	1	03/13/25 01:00	03/17/25 17:03	7440-28-0	
Tin	**0.15J**	ug/L	1.0	0.14	1	03/13/25 01:00	03/17/25 17:03	7440-31-5	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	0.12	1	02/24/25 16:38	02/26/25 15:46	7439-97-6	
Wet Chemistry 9066	Analytical Method: EPA 9066 Preparation Method: SW-846 9066 Pace National - Mt. Juliet								
Phenolics, Total Recoverable	ND	mg/L	0.0400	0.0115	1	03/03/25 11:39	03/03/25 17:05	64743-03-9	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**120**	mg/L	10.0	10.0	1		02/25/25 11:06		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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(704)875-9092

ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Sample: 022025NED1606 **Lab ID: 92780474007** Collected: 02/20/25 14:15 Received: 02/21/25 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**79.9**	mg/L	1.0	0.60	1		02/22/25 15:00	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/22/25 15:00	16984-48-8	
Sulfate	**58.5**	mg/L	1.0	0.50	1		02/22/25 15:00	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 05:53	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 05:53	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 05:53	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 05:53	7440-44-0	
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 05:53	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Sample: 022025NSD1604 **Lab ID: 92780474008** Collected: 02/20/25 14:10 Received: 02/21/25 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	ND	ug/L	0.025	0.0043	1		02/21/25 12:31	18540-29-9	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony	ND	ug/L	5.0	3.6	1	02/22/25 00:00	02/23/25 20:19	7440-36-0	
Arsenic	ND	ug/L	10.0	2.5	1	02/22/25 00:00	02/23/25 20:19	7440-38-2	
Barium	**107**	ug/L	5.0	0.79	1	02/22/25 00:00	02/23/25 20:19	7440-39-3	
Beryllium	**0.43J**	ug/L	1.0	0.16	1	02/22/25 00:00	02/23/25 20:19	7440-41-7	
Boron	**1250**	ug/L	50.0	4.0	1	02/22/25 00:00	02/23/25 20:19	7440-42-8	
Cadmium	ND	ug/L	1.0	0.29	1	02/22/25 00:00	02/23/25 20:19	7440-43-9	
Calcium	**28300**	ug/L	100	14.7	1	02/22/25 00:00	02/23/25 20:19	7440-70-2	
Chromium	**1.1J**	ug/L	5.0	0.63	1	02/22/25 00:00	02/23/25 20:19	7440-47-3	
Copper	**0.89J**	ug/L	5.0	0.62	1	02/22/25 00:00	02/23/25 20:19	7440-50-8	
Molybdenum	ND	ug/L	5.0	2.6	1	02/22/25 00:00	02/23/25 20:19	7439-98-7	
Nickel	**2.6J**	ug/L	5.0	0.88	1	02/22/25 00:00	02/23/25 20:19	7440-02-0	
Selenium	ND	ug/L	10.0	4.1	1	02/22/25 00:00	02/24/25 14:33	7782-49-2	
Silver	ND	ug/L	5.0	0.49	1	02/22/25 00:00	02/23/25 20:19	7440-22-4	
Hardness, Total(SM 2340B)	**134000**	ug/L	662	36.8	1	02/22/25 00:00	02/23/25 20:19		
Vanadium	ND	ug/L	5.0	1.6	1	02/22/25 00:00	02/23/25 20:19	7440-62-2	
Zinc	**3.5J**	ug/L	10.0	3.0	1	02/22/25 00:00	02/23/25 20:19	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Cobalt	ND	ug/L	1.0	0.14	1	03/13/25 01:00	03/17/25 17:19	7440-48-4	
Iron	**13000**	ug/L	200	29.8	10	03/13/25 01:00	03/17/25 17:22	7439-89-6	
Lead	ND	ug/L	1.0	0.18	1	03/13/25 01:00	03/17/25 17:19	7439-92-1	
Lithium	**13.4**	ug/L	2.5	0.33	1	03/13/25 01:00	03/17/25 17:19	7439-93-2	
Manganese	**878**	ug/L	20.0	2.4	10	03/13/25 01:00	03/17/25 17:22	7439-96-5	
Potassium	**12600**	ug/L	100	18.0	1	03/13/25 01:00	03/17/25 17:19	7440-09-7	
Sodium	**17400**	ug/L	250	14.4	1	03/13/25 01:00	03/17/25 17:19	7440-23-5	
Thallium	ND	ug/L	0.20	0.028	1	03/13/25 01:00	03/17/25 17:19	7440-28-0	
Tin	ND	ug/L	1.0	0.14	1	03/13/25 01:00	03/17/25 17:19	7440-31-5	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	0.12	1	02/24/25 16:38	02/26/25 15:48	7439-97-6	
Wet Chemistry 9066	Analytical Method: EPA 9066 Preparation Method: SW-846 9066 Pace National - Mt. Juliet								
Phenolics, Total Recoverable	ND	mg/L	0.0400	0.0115	1	03/03/25 11:39	03/03/25 17:06	64743-03-9	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**348**	mg/L	10.0	10.0	1		02/27/25 16:50		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Sample: 022025NSD1604 **Lab ID: 92780474008** Collected: 02/20/25 14:10 Received: 02/21/25 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**93.8**	mg/L	1.0	0.60	1		02/22/25 15:40	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/22/25 15:40	16984-48-8	
Sulfate	**76.7**	mg/L	1.0	0.50	1		02/22/25 15:40	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 06:10	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 06:10	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 06:10	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 06:10	7440-44-0	
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 06:10	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Sample: 022025NDFDDUPLICATE **Lab ID: 92780474009** Collected: 02/20/25 14:15 Received: 02/21/25 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	ND	ug/L	0.025	0.0043	1		02/21/25 12:48	18540-29-9	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony	ND	ug/L	5.0	3.6	1	02/22/25 00:00	02/23/25 20:22	7440-36-0	
Arsenic	ND	ug/L	10.0	2.5	1	02/22/25 00:00	02/23/25 20:22	7440-38-2	
Barium	**106**	ug/L	5.0	0.79	1	02/22/25 00:00	02/23/25 20:22	7440-39-3	
Beryllium	**0.42J**	ug/L	1.0	0.16	1	02/22/25 00:00	02/23/25 20:22	7440-41-7	
Boron	**1260**	ug/L	50.0	4.0	1	02/22/25 00:00	02/23/25 20:22	7440-42-8	
Cadmium	ND	ug/L	1.0	0.29	1	02/22/25 00:00	02/23/25 20:22	7440-43-9	
Calcium	**28800**	ug/L	100	14.7	1	02/22/25 00:00	02/23/25 20:22	7440-70-2	
Chromium	ND	ug/L	5.0	0.63	1	02/22/25 00:00	02/23/25 20:22	7440-47-3	
Copper	ND	ug/L	5.0	0.62	1	02/22/25 00:00	02/23/25 20:22	7440-50-8	
Molybdenum	ND	ug/L	5.0	2.6	1	02/22/25 00:00	02/23/25 20:22	7439-98-7	
Nickel	**0.94J**	ug/L	5.0	0.88	1	02/22/25 00:00	02/23/25 20:22	7440-02-0	
Selenium	ND	ug/L	10.0	4.1	1	02/22/25 00:00	02/24/25 14:36	7782-49-2	
Silver	ND	ug/L	5.0	0.49	1	02/22/25 00:00	02/23/25 20:22	7440-22-4	
Hardness, Total(SM 2340B)	**136000**	ug/L	662	36.8	1	02/22/25 00:00	02/23/25 20:22		
Vanadium	ND	ug/L	5.0	1.6	1	02/22/25 00:00	02/23/25 20:22	7440-62-2	
Zinc	ND	ug/L	10.0	3.0	1	02/22/25 00:00	02/23/25 20:22	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Cobalt	ND	ug/L	1.0	0.14	1	03/13/25 01:00	03/17/25 17:26	7440-48-4	
Iron	**13600**	ug/L	200	29.8	10	03/13/25 01:00	03/17/25 17:30	7439-89-6	
Lead	ND	ug/L	1.0	0.18	1	03/13/25 01:00	03/17/25 17:26	7439-92-1	
Lithium	**13.9**	ug/L	2.5	0.33	1	03/13/25 01:00	03/17/25 17:26	7439-93-2	
Manganese	**928**	ug/L	20.0	2.4	10	03/13/25 01:00	03/17/25 17:30	7439-96-5	
Potassium	**13100**	ug/L	100	18.0	1	03/13/25 01:00	03/17/25 17:26	7440-09-7	
Sodium	**17900**	ug/L	250	14.4	1	03/13/25 01:00	03/17/25 17:26	7440-23-5	
Thallium	ND	ug/L	0.20	0.028	1	03/13/25 01:00	03/17/25 17:26	7440-28-0	
Tin	ND	ug/L	1.0	0.14	1	03/13/25 01:00	03/17/25 17:26	7440-31-5	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	0.12	1	02/24/25 16:38	02/26/25 15:54	7439-97-6	
Wet Chemistry 9066	Analytical Method: EPA 9066 Preparation Method: SW-846 9066 Pace National - Mt. Juliet								
Phenolics, Total Recoverable	ND	mg/L	0.0400	0.0115	1	03/03/25 11:39	03/03/25 17:07	64743-03-9	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**342**	mg/L	10.0	10.0	1		02/27/25 16:52		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Sample: 022025NDFDDUPLICATE **Lab ID: 92780474009** Collected: 02/20/25 14:15 Received: 02/21/25 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**94.2**	mg/L	1.0	0.60	1		02/22/25 15:54	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/22/25 15:54	16984-48-8	
Sulfate	**74.8**	mg/L	1.0	0.50	1		02/22/25 15:54	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 06:28	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 06:28	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 06:28	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 06:28	7440-44-0	
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 06:28	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

QC Batch: 917201
QC Batch Method: EPA 7199
Analysis Method: EPA 7199
Analysis Description: 7199 Chromium, Hexavalent
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92780474001, 92780474002, 92780474003, 92780474004, 92780474005, 92780474006

METHOD BLANK: 4713639 Matrix: Water
Associated Lab Samples: 92780474001, 92780474002, 92780474003, 92780474004, 92780474005, 92780474006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chromium, Hexavalent	ug/L	ND	0.025	0.0043	02/19/25 11:03	

LABORATORY CONTROL SAMPLE: 4713640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	ug/L	0.1	0.11	106	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4713642 4713643

Parameter	Units	92780477002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	ug/L	0.012J	0.1	0.1	0.12	0.12	111	104	90-110	6	20	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4713644 4713645

Parameter	Units	92780474002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	ug/L	0.44	0.1	0.1	0.58	0.54	140	105	90-110	6	20	M1

SAMPLE DUPLICATE: 4713641

Parameter	Units	92780474004 Result	Dup Result	RPD	Max RPD	Qualifiers
Chromium, Hexavalent	ug/L	0.32	0.29	10	20	H1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

QC Batch: 917723
QC Batch Method: EPA 7199
Analysis Method: EPA 7199
Analysis Description: 7199 Chromium, Hexavalent
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92780474007, 92780474008, 92780474009

METHOD BLANK: 4716726 Matrix: Water
Associated Lab Samples: 92780474007, 92780474008, 92780474009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chromium, Hexavalent	ug/L	ND	0.025	0.0043	02/21/25 10:58	

LABORATORY CONTROL SAMPLE: 4716727

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	ug/L	0.1	0.10	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4716728 4716729

Parameter	Units	92780713003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	ug/L	1.3	0.1	0.1	1.4	1.4	80	70	90-110	1	20	H1,M2

SAMPLE DUPLICATE: 4716730

Parameter	Units	92780713004 Result	Dup Result	RPD	Max RPD	Qualifiers
Chromium, Hexavalent	ug/L	ND	ND		20	H1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

QC Batch: 917873
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780474001, 92780474002, 92780474003, 92780474004, 92780474005, 92780474006

METHOD BLANK: 4717713 Matrix: Water
Associated Lab Samples: 92780474001, 92780474002, 92780474003, 92780474004, 92780474005, 92780474006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.12	02/24/25 12:43	

LABORATORY CONTROL SAMPLE: 4717714

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.5	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4717717 4717718

Parameter	Units	92780474002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.6	2.5	102	101	75-125	1	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

QC Batch: 917994
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780474007, 92780474008, 92780474009

METHOD BLANK: 4718040 Matrix: Water
Associated Lab Samples: 92780474007, 92780474008, 92780474009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.12	02/26/25 15:29	

LABORATORY CONTROL SAMPLE: 4718041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.3	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4718042 4718043

Parameter	Units	92780713003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.5	2.4	99	98	75-125	2	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

QC Batch: 917891
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780474001, 92780474002, 92780474003, 92780474004, 92780474005, 92780474006, 92780474007, 92780474008, 92780474009

METHOD BLANK: 4717782 Matrix: Water
Associated Lab Samples: 92780474001, 92780474002, 92780474003, 92780474004, 92780474005, 92780474006, 92780474007, 92780474008, 92780474009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	3.6	02/23/25 19:32	
Arsenic	ug/L	ND	10.0	2.5	02/23/25 19:32	
Barium	ug/L	ND	5.0	0.79	02/23/25 19:32	
Beryllium	ug/L	ND	1.0	0.16	02/23/25 19:32	
Boron	ug/L	ND	50.0	4.0	02/23/25 19:32	
Cadmium	ug/L	ND	1.0	0.29	02/23/25 19:32	
Calcium	ug/L	ND	100	14.7	02/23/25 19:32	
Chromium	ug/L	ND	5.0	0.63	02/23/25 19:32	
Copper	ug/L	ND	5.0	0.62	02/23/25 19:32	
Hardness, Total(SM 2340B)	ug/L	ND	662	36.8	02/23/25 19:32	
Molybdenum	ug/L	ND	5.0	2.6	02/23/25 19:32	
Nickel	ug/L	ND	5.0	0.88	02/23/25 19:32	
Selenium	ug/L	ND	10.0	4.1	02/24/25 13:47	
Silver	ug/L	ND	5.0	0.49	02/23/25 19:32	
Vanadium	ug/L	ND	5.0	1.6	02/23/25 19:32	
Zinc	ug/L	ND	10.0	3.0	02/23/25 19:32	

LABORATORY CONTROL SAMPLE: 4717783

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	460	92	80-120	
Arsenic	ug/L	500	453	91	80-120	
Barium	ug/L	500	477	95	80-120	
Beryllium	ug/L	500	461	92	80-120	
Boron	ug/L	500	462	92	80-120	
Cadmium	ug/L	500	455	91	80-120	
Calcium	ug/L	5000	4660	93	80-120	
Chromium	ug/L	500	464	93	80-120	
Copper	ug/L	500	471	94	80-120	
Hardness, Total(SM 2340B)	ug/L	33100	30200	91	80-120	
Molybdenum	ug/L	500	470	94	80-120	
Nickel	ug/L	500	459	92	80-120	
Selenium	ug/L	500	475	95	80-120	
Silver	ug/L	250	232	93	80-120	
Vanadium	ug/L	500	465	93	80-120	
Zinc	ug/L	500	456	91	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4717784 4717785

Parameter	Units	92780474002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	470	461	94	92	75-125	2	20	
Arsenic	ug/L	ND	500	500	458	447	92	89	75-125	2	20	
Barium	ug/L	37.1	500	500	501	485	93	90	75-125	3	20	
Beryllium	ug/L	1.3	500	500	464	455	93	91	75-125	2	20	
Boron	ug/L	642	500	500	1110	1120	93	95	75-125	1	20	
Cadmium	ug/L	ND	500	500	450	439	90	88	75-125	2	20	
Calcium	ug/L	12300	5000	5000	16900	16900	92	92	75-125	0	20	
Chromium	ug/L	0.65J	500	500	455	446	91	89	75-125	2	20	
Copper	ug/L	3.3J	500	500	473	464	94	92	75-125	2	20	
Hardness, Total(SM 2340B)	ug/L	61300	33100	33100	92700	92900	95	96	75-125	0	20	
Molybdenum	ug/L	ND	500	500	466	455	93	91	75-125	2	20	
Nickel	ug/L	7.2	500	500	460	449	91	88	75-125	3	20	
Selenium	ug/L	ND	500	500	500	486	100	97	75-125	3	20	
Silver	ug/L	ND	250	250	234	229	93	92	75-125	2	20	
Vanadium	ug/L	ND	500	500	463	452	93	90	75-125	2	20	
Zinc	ug/L	9.2J	500	500	459	449	90	88	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

QC Batch: 919050
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780474001, 92780474002, 92780474003, 92780474004, 92780474005

METHOD BLANK: 4722979 Matrix: Water
Associated Lab Samples: 92780474001, 92780474002, 92780474003, 92780474004, 92780474005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Cobalt	ug/L	ND	1.0	0.14	03/11/25 23:05	
Iron	ug/L	19.3J	20.0	3.0	03/11/25 23:05	
Lead	ug/L	ND	1.0	0.18	03/11/25 23:05	
Lithium	ug/L	ND	2.5	0.33	03/11/25 23:05	
Manganese	ug/L	ND	2.0	0.24	03/11/25 23:05	
Potassium	ug/L	20.4J	100	18.0	03/11/25 23:05	
Sodium	ug/L	21.9J	250	14.4	03/11/25 23:05	
Thallium	ug/L	ND	0.20	0.028	03/11/25 23:05	
Tin	ug/L	ND	1.0	0.14	03/11/25 23:05	

LABORATORY CONTROL SAMPLE: 4722980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cobalt	ug/L	50	53.8	108	80-120	
Iron	ug/L	1250	1350	108	80-120	
Lead	ug/L	50	53.3	107	80-120	
Lithium	ug/L	50	52.7	105	80-120	
Manganese	ug/L	50	53.9	108	80-120	
Potassium	ug/L	2500	2590	104	80-120	
Sodium	ug/L	2500	2630	105	80-120	
Thallium	ug/L	25	26.4	106	80-120	
Tin	ug/L	50	52.4	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4722981 4722982

Parameter	Units	92777579004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	0.19J	50	50	50.0	50.8	100	101	75-125	2	20	
Iron	ug/L	39.1	1250	1250	1320	1370	103	106	75-125	4	20	
Lead	ug/L	ND	50	50	51.1	54.2	102	108	75-125	6	20	
Lithium	ug/L	7.7	50	50	56.1	56.5	97	97	75-125	1	20	
Manganese	ug/L	51.2	50	50	99.6	105	97	108	75-125	6	20	
Potassium	ug/L	1950	2500	2500	4420	4490	99	102	75-125	2	20	
Sodium	ug/L	25100	2500	2500	26200	28500	45	136	75-125	8	20	M1
Thallium	ug/L	ND	25	25	25.3	26.2	101	105	75-125	3	20	
Tin	ug/L	ND	50	50	50.5	51.1	101	102	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4722983 4722984

Parameter	Units	92780474002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	3.5J	50	50	53.6	50.4	100	94	75-125	6	20	
Iron	ug/L	ND	1250	1250	1330	1790	106	143	75-125	30	20	M1,R1
Lead	ug/L	ND	50	50	50.7	47.4	101	94	75-125	7	20	
Lithium	ug/L	7.8J	50	50	58.3	54.7	101	94	75-125	6	20	
Manganese	ug/L	73.2	50	50	123	117	99	88	75-125	5	20	
Potassium	ug/L	6420	2500	2500	8870	9550	98	125	75-125	7	20	
Sodium	ug/L	25500	2500	2500	27400	28100	78	107	75-125	3	20	
Thallium	ug/L	ND	25	25	25.1	23.6	100	94	75-125	6	20	
Tin	ug/L	ND	50	50	49.9	66.8	100	134	75-125	29	20	M1,R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4722985 4722986

Parameter	Units	92780477002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	ND	50	50	54.7	52.2	109	104	75-125	5	20	
Iron	ug/L	2590	1250	1250	4180	3970	127	110	75-125	5	20	M1
Lead	ug/L	ND	50	50	52.6	50.6	105	100	75-125	4	20	
Lithium	ug/L	12.2J	50	50	67.5	64.2	111	104	75-125	5	20	
Manganese	ug/L	81.2	50	50	143	137	123	111	75-125	4	20	
Potassium	ug/L	5300	2500	2500	8140	8050	114	110	75-125	1	20	
Sodium	ug/L	1790	2500	2500	4530	4500	110	108	75-125	1	20	
Thallium	ug/L	ND	25	25	25.3	24.9	101	99	75-125	2	20	
Tin	ug/L	ND	50	50	52.0	50.0	104	100	75-125	4	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

QC Batch: 921722
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780474006

METHOD BLANK: 4735851 Matrix: Water
Associated Lab Samples: 92780474006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Cobalt	ug/L	ND	1.0	0.14	03/13/25 18:43	
Iron	ug/L	ND	20.0	3.0	03/13/25 18:43	
Lead	ug/L	ND	1.0	0.18	03/13/25 18:43	
Lithium	ug/L	ND	2.5	0.33	03/13/25 18:43	
Manganese	ug/L	ND	2.0	0.24	03/13/25 18:43	
Potassium	ug/L	ND	100	18.0	03/13/25 18:43	
Sodium	ug/L	ND	250	14.4	03/13/25 18:43	
Thallium	ug/L	ND	0.20	0.028	03/13/25 18:43	
Tin	ug/L	ND	1.0	0.14	03/13/25 18:43	

LABORATORY CONTROL SAMPLE: 4735852

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cobalt	ug/L	50	47.8	96	80-120	
Iron	ug/L	1250	1190	95	80-120	
Lead	ug/L	50	48.3	97	80-120	
Lithium	ug/L	50	46.5	93	80-120	
Manganese	ug/L	50	49.2	98	80-120	
Potassium	ug/L	2500	2420	97	80-120	
Sodium	ug/L	2500	2460	98	80-120	
Thallium	ug/L	25	23.4	94	80-120	
Tin	ug/L	50	46.8	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4735853 4735854

Parameter	Units	92781010038 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	9.3	50	50	60.6	65.4	103	112	75-125	7	20	
Iron	ug/L	169	1250	1250	1460	1560	104	111	75-125	6	20	
Lead	ug/L	ND	50	50	53.7	59.4	107	119	75-125	10	20	
Lithium	ug/L	7.3	50	50	56.2	60.2	98	106	75-125	7	20	
Manganese	ug/L	5340	50	50	5360	5710	23	738	75-125	6	20	E
Potassium	ug/L	6120	2500	2500	8840	9400	109	131	75-125	6	20	M1
Sodium	ug/L	16600	2500	2500	19200	20100	104	140	75-125	5	20	E
Thallium	ug/L	ND	25	25	26.1	28.9	104	115	75-125	10	20	
Tin	ug/L	ND	50	50	52.7	53.9	105	107	75-125	2	20	

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

QC Batch: 921898
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780474007, 92780474008, 92780474009

METHOD BLANK: 4736903 Matrix: Water
Associated Lab Samples: 92780474007, 92780474008, 92780474009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Cobalt	ug/L	ND	1.0	0.14	03/17/25 15:47	
Iron	ug/L	14.9J	20.0	3.0	03/17/25 15:47	
Lead	ug/L	ND	1.0	0.18	03/17/25 15:47	
Lithium	ug/L	ND	2.5	0.33	03/17/25 15:47	
Manganese	ug/L	ND	2.0	0.24	03/17/25 15:47	
Potassium	ug/L	20.3J	100	18.0	03/17/25 15:47	
Sodium	ug/L	19.8J	250	14.4	03/17/25 15:47	
Thallium	ug/L	ND	0.20	0.028	03/17/25 15:47	
Tin	ug/L	ND	1.0	0.14	03/17/25 15:47	

LABORATORY CONTROL SAMPLE: 4736904

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cobalt	ug/L	50	50.1	100	80-120	
Iron	ug/L	1250	1240	99	80-120	
Lead	ug/L	50	51.3	103	80-120	
Lithium	ug/L	50	50.1	100	80-120	
Manganese	ug/L	50	50.2	100	80-120	
Potassium	ug/L	2500	2460	99	80-120	
Sodium	ug/L	2500	2470	99	80-120	
Thallium	ug/L	25	24.9	100	80-120	
Tin	ug/L	50	48.0	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4736905 4736906

Parameter	Units	92780713003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	12.2	50	50	62.1	61.7	100	99	75-125	1	20	
Iron	ug/L	44.4	1250	1250	1310	1310	101	101	75-125	0	20	
Lead	ug/L	0.20J	50	50	50.7	50.2	101	100	75-125	1	20	
Lithium	ug/L	11.1	50	50	61.1	60.8	100	99	75-125	0	20	
Manganese	ug/L	183	50	50	243	238	121	111	75-125	2	20	
Potassium	ug/L	6510	2500	2500	9400	9550	116	122	75-125	2	20	
Sodium	ug/L	9360	2500	2500	12000	11800	107	98	75-125	2	20	
Thallium	ug/L	0.031J	25	25	24.9	24.4	100	98	75-125	2	20	
Tin	ug/L	ND	50	50	49.7	48.1	99	96	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

QC Batch: 2459104
QC Batch Method: SW-846 9066
Analysis Method: EPA 9066
Analysis Description: Wet Chemistry 9066
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92780474001, 92780474002, 92780474003, 92780474004

METHOD BLANK: R4181371-1 Matrix: Water
Associated Lab Samples: 92780474001, 92780474002, 92780474003, 92780474004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phenolics, Total Recoverable	mg/L	ND	0.0400	0.0115	02/28/25 14:24	

LABORATORY CONTROL SAMPLE: R4181371-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	mg/L	1.00	0.989	98.9	90.0-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4181371-3 R4181371-4

Parameter	Units	L1829586-03 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phenolics, Total Recoverable	mg/L	ND	1.00	1.00	0.979	0.940	97.9	94.0	90.0-110	4.06	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4181371-5 R4181371-6

Parameter	Units	92780474002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phenolics, Total Recoverable	mg/L	ND	1.00	1.00	0.938	0.953	93.8	95.3	90.0-110	1.59	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

QC Batch: 2461335
QC Batch Method: SW-846 9066
Analysis Method: EPA 9066
Analysis Description: Wet Chemistry 9066
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92780474005, 92780474006, 92780474007, 92780474008, 92780474009

METHOD BLANK: R4182094-1 Matrix: Water
Associated Lab Samples: 92780474005, 92780474006, 92780474007, 92780474008, 92780474009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phenolics, Total Recoverable	mg/L	ND	0.0400	0.0115	03/03/25 16:56	

LABORATORY CONTROL SAMPLE: R4182094-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	mg/L	1.00	0.969	96.9	90.0-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4182094-3 R4182094-4

Parameter	Units	L1828579-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phenolics, Total Recoverable	mg/L	ND	1.00	1.00	0.805	0.829	80.5	82.9	90.0-110	2.94	20	ML

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4182094-5 R4182094-6

Parameter	Units	L1829613-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phenolics, Total Recoverable	mg/L	0.0407	1.00	1.00	0.984	0.933	94.3	89.2	90.0-110	5.32	20	ML

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

QC Batch: 917867
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780474001, 92780474002, 92780474003, 92780474004, 92780474005, 92780474006

METHOD BLANK: 4717697 Matrix: Water
Associated Lab Samples: 92780474001, 92780474002, 92780474003, 92780474004, 92780474005, 92780474006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/26/25 16:16	

LABORATORY CONTROL SAMPLE: 4717698

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	232	93	80-120	

SAMPLE DUPLICATE: 4717934

Parameter	Units	92780474002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	196	202	3	25	

SAMPLE DUPLICATE: 4717935

Parameter	Units	92780477002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	250	258	3	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

QC Batch: 917971
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780474007

METHOD BLANK: 4717974 Matrix: Water
Associated Lab Samples: 92780474007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/25/25 11:06	

LABORATORY CONTROL SAMPLE: 4717975

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	266	106	80-120	

SAMPLE DUPLICATE: 4717976

Parameter	Units	92780557006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	714	720	1	25	

SAMPLE DUPLICATE: 4717977

Parameter	Units	92780713003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	134	138	4	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

QC Batch: 918779
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780474008, 92780474009

METHOD BLANK: 4721780 Matrix: Water
Associated Lab Samples: 92780474008, 92780474009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/27/25 16:48	

LABORATORY CONTROL SAMPLE: 4721781

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	272	109	80-120	

SAMPLE DUPLICATE: 4721782

Parameter	Units	92780474008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	348	351	1	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

QC Batch: 917412
QC Batch Method: EPA 9056A
Analysis Method: EPA 9056A
Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780474005

METHOD BLANK: 4715155 Matrix: Water
Associated Lab Samples: 92780474005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/20/25 12:49	
Fluoride	mg/L	ND	0.10	0.050	02/20/25 12:49	
Sulfate	mg/L	ND	1.0	0.50	02/20/25 12:49	

LABORATORY CONTROL SAMPLE: 4715156

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.9	102	90-110	
Fluoride	mg/L	2.5	2.5	100	90-110	
Sulfate	mg/L	50	50.6	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4715157 4715158

Parameter	Units	92780474005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	76.7	50	50	104	104	54	54	90-110	0	10	M1
Fluoride	mg/L	0.059J	2.5	2.5	2.6	2.6	102	102	90-110	1	10	
Sulfate	mg/L	41.5	50	50	90.1	90.8	97	99	90-110	1	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

QC Batch: 917605
QC Batch Method: EPA 9056A
Analysis Method: EPA 9056A
Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780474001, 92780474002, 92780474003, 92780474004, 92780474006

METHOD BLANK: 4716294 Matrix: Water
Associated Lab Samples: 92780474001, 92780474002, 92780474003, 92780474004, 92780474006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/20/25 22:34	
Fluoride	mg/L	ND	0.10	0.050	02/20/25 22:34	
Sulfate	mg/L	ND	1.0	0.50	02/20/25 22:34	

LABORATORY CONTROL SAMPLE: 4716295

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	50.6	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4716296 4716297

Parameter	Units	92780474002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	54.9	50	50	84.5	87.3	59	65	90-110	3	10	M1
Fluoride	mg/L	0.052J	2.5	2.5	2.7	2.9	105	116	90-110	10	10	M1
Sulfate	mg/L	43.2	50	50	94.7	98.0	103	110	90-110	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4716298 4716299

Parameter	Units	92780477002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	45.8	50	50	97.8	99.6	104	108	90-110	2	10	
Fluoride	mg/L	0.42	2.5	2.5	3.0	3.2	104	111	90-110	6	10	M1
Sulfate	mg/L	24.0	50	50	76.8	78.6	106	109	90-110	2	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

QC Batch: 917919
QC Batch Method: EPA 9056A
Analysis Method: EPA 9056A
Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780474007, 92780474008, 92780474009

METHOD BLANK: 4717836 Matrix: Water
Associated Lab Samples: 92780474007, 92780474008, 92780474009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/22/25 12:59	
Fluoride	mg/L	ND	0.10	0.050	02/22/25 12:59	
Sulfate	mg/L	ND	1.0	0.50	02/22/25 12:59	

LABORATORY CONTROL SAMPLE: 4717837

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.6	101	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	50.3	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4717838 4717839

Parameter	Units	92780713003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.6	50	50	51.4	51.9	96	97	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.4	97	97	90-110	0	10	
Sulfate	mg/L	54.6	50	50	99.9	84.1	91	59	90-110	17	10	M1,R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4717919 4717920

Parameter	Units	92780965001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.5	50	50	50.5	51.4	96	98	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	100	99	90-110	1	10	
Sulfate	mg/L	12.6	50	50	59.8	60.7	94	96	90-110	2	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

QC Batch: 918412
QC Batch Method: EPA 9060A
Analysis Method: EPA 9060A
Analysis Description: 9060 TOC, AVL
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780474001, 92780474002, 92780474003, 92780474004, 92780474005, 92780474006, 92780474007, 92780474008, 92780474009

METHOD BLANK: 4720116 Matrix: Water
Associated Lab Samples: 92780474001, 92780474002, 92780474003, 92780474004, 92780474005, 92780474006, 92780474007, 92780474008, 92780474009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 02:02	
Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 02:02	
Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 02:02	
Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 02:02	
Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 02:02	

LABORATORY CONTROL SAMPLE: 4720117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	25	24.2	97	75-125	
Total Organic Carbon	mg/L	25	24.1	96	75-125	
Total Organic Carbon	mg/L	25	24.3	97	75-125	
Total Organic Carbon	mg/L	25	24.1	96	75-125	
Total Organic Carbon	mg/L	25	24.2	97	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4720118 4720119

Parameter	Units	92780474002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/L	ND	25	25	24.7	24.8	98	99	75-125	0	25	
Total Organic Carbon	mg/L	ND	25	25	24.7	24.8	98	98	75-125	1	25	
Total Organic Carbon	mg/L	ND	25	25	24.6	24.6	98	98	75-125	0	25	
Total Organic Carbon	mg/L	ND	25	25	24.7	25.0	98	100	75-125	1	25	
Total Organic Carbon	mg/L	ND	25	25	24.8	24.8	99	99	75-125	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4720120 4720121

Parameter	Units	92780477002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/L	6.3	25	25	31.0	31.0	99	99	75-125	0	25	
Total Organic Carbon	mg/L	6.2	25	25	31.0	30.8	99	98	75-125	1	25	
Total Organic Carbon	mg/L	6.2	25	25	30.8	30.9	98	99	75-125	0	25	
Total Organic Carbon	mg/L	6.4	25	25	31.1	31.0	99	99	75-125	0	25	
Total Organic Carbon	mg/L	6.4	25	25	31.0	31.3	99	100	75-125	1	25	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H1	Analysis conducted outside the EPA method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M2	Matrix spike recovery was below QC limits due to sample dilution. Data acceptance based on laboratory control sample (LCS) recovery.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92780474001	**021825NED1612**	EPA 7199	917201		
92780474002	**021825NED1D**	EPA 7199	917201		
92780474003	**021825NED9R2**	EPA 7199	917201		
92780474004	**021825NED1605**	EPA 7199	917201		
92780474005	**021825NSD1603**	EPA 7199	917201		
92780474006	**021825NDFBBLANK**	EPA 7199	917201		
92780474007	**022025NED1606**	EPA 7199	917723		
92780474008	**022025NSD1604**	EPA 7199	917723		
92780474009	**022025NDFDDUPLICATE**	EPA 7199	917723		
92780474001	**021825NED1612**	EPA 3010A	917891	EPA 6010D	917905
92780474002	**021825NED1D**	EPA 3010A	917891	EPA 6010D	917905
92780474003	**021825NED9R2**	EPA 3010A	917891	EPA 6010D	917905
92780474004	**021825NED1605**	EPA 3010A	917891	EPA 6010D	917905
92780474005	**021825NSD1603**	EPA 3010A	917891	EPA 6010D	917905
92780474006	**021825NDFBBLANK**	EPA 3010A	917891	EPA 6010D	917905
92780474007	**022025NED1606**	EPA 3010A	917891	EPA 6010D	917905
92780474008	**022025NSD1604**	EPA 3010A	917891	EPA 6010D	917905
92780474009	**022025NDFDDUPLICATE**	EPA 3010A	917891	EPA 6010D	917905
92780474001	**021825NED1612**	EPA 3010A	919050	EPA 6020B	919146
92780474002	**021825NED1D**	EPA 3010A	919050	EPA 6020B	919146
92780474003	**021825NED9R2**	EPA 3010A	919050	EPA 6020B	919146
92780474004	**021825NED1605**	EPA 3010A	919050	EPA 6020B	919146
92780474005	**021825NSD1603**	EPA 3010A	919050	EPA 6020B	919146
92780474006	**021825NDFBBLANK**	EPA 3010A	921722	EPA 6020B	921767
92780474007	**022025NED1606**	EPA 3010A	921898	EPA 6020B	921911
92780474008	**022025NSD1604**	EPA 3010A	921898	EPA 6020B	921911
92780474009	**022025NDFDDUPLICATE**	EPA 3010A	921898	EPA 6020B	921911
92780474001	**021825NED1612**	EPA 7470A	917873	EPA 7470A	918003
92780474002	**021825NED1D**	EPA 7470A	917873	EPA 7470A	918003
92780474003	**021825NED9R2**	EPA 7470A	917873	EPA 7470A	918003
92780474004	**021825NED1605**	EPA 7470A	917873	EPA 7470A	918003
92780474005	**021825NSD1603**	EPA 7470A	917873	EPA 7470A	918003
92780474006	**021825NDFBBLANK**	EPA 7470A	917873	EPA 7470A	918003
92780474007	**022025NED1606**	EPA 7470A	917994	EPA 7470A	918664
92780474008	**022025NSD1604**	EPA 7470A	917994	EPA 7470A	918664
92780474009	**022025NDFDDUPLICATE**	EPA 7470A	917994	EPA 7470A	918664
92780474001	**021825NED1612**	SW-846 9066	2459104	EPA 9066	2459104
92780474002	**021825NED1D**	SW-846 9066	2459104	EPA 9066	2459104
92780474003	**021825NED9R2**	SW-846 9066	2459104	EPA 9066	2459104
92780474004	**021825NED1605**	SW-846 9066	2459104	EPA 9066	2459104
92780474005	**021825NSD1603**	SW-846 9066	2461335	EPA 9066	2461335
92780474006	**021825NDFBBLANK**	SW-846 9066	2461335	EPA 9066	2461335
92780474007	**022025NED1606**	SW-846 9066	2461335	EPA 9066	2461335
92780474008	**022025NSD1604**	SW-846 9066	2461335	EPA 9066	2461335

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PPPS_1SA2025_CCR_GrpB
Pace Project No.: 92780474

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92780474009	**022025NDFDDUPLICATE**	SW-846 9066	2461335	EPA 9066	2461335
92780474001	**021825NED1612**	SM 2540C-2015	917867		
92780474002	**021825NED1D**	SM 2540C-2015	917867		
92780474003	**021825NED9R2**	SM 2540C-2015	917867		
92780474004	**021825NED1605**	SM 2540C-2015	917867		
92780474005	**021825NSD1603**	SM 2540C-2015	917867		
92780474006	**021825NDFBBLANK**	SM 2540C-2015	917867		
92780474007	**022025NED1606**	SM 2540C-2015	917971		
92780474008	**022025NSD1604**	SM 2540C-2015	918779		
92780474009	**022025NDFDDUPLICATE**	SM 2540C-2015	918779		
92780474001	**021825NED1612**	EPA 9056A	917605		
92780474002	**021825NED1D**	EPA 9056A	917605		
92780474003	**021825NED9R2**	EPA 9056A	917605		
92780474004	**021825NED1605**	EPA 9056A	917605		
92780474005	**021825NSD1603**	EPA 9056A	917412		
92780474006	**021825NDFBBLANK**	EPA 9056A	917605		
92780474007	**022025NED1606**	EPA 9056A	917919		
92780474008	**022025NSD1604**	EPA 9056A	917919		
92780474009	**022025NDFDDUPLICATE**	EPA 9056A	917919		
92780474001	**021825NED1612**	EPA 9060A	918412		
92780474002	**021825NED1D**	EPA 9060A	918412		
92780474003	**021825NED9R2**	EPA 9060A	918412		
92780474004	**021825NED1605**	EPA 9060A	918412		
92780474005	**021825NSD1603**	EPA 9060A	918412		
92780474006	**021825NDFBBLANK**	EPA 9060A	918412		
92780474007	**022025NED1606**	EPA 9060A	918412		
92780474008	**022025NSD1604**	EPA 9060A	918412		
92780474009	**022025NDFDDUPLICATE**	EPA 9060A	918412		

Pace | **Receipt**
Effective Date: 5/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Dominion Energy

Project #: WO# : 92780474
92780474

Courier: ☐ Commercial ☐ Fed Ex ☐ UPS ☑ USPS ☐ Client ☐ Pace ☐ Other:____

Carrier Tracking Number: _____

Custody Seal Present? ☐ Yes ☐ No **Seals Intact?** ☐ Yes ☐ No **Date/Initials Person Examining Contents:** KD 2/20/24

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 92T093 **Type of Ice:** ☑ Wet ☐ Blue ☐ None

Cooler Temp (°C): 2.3 **Correction Factor: Add / Subtract (°C)** 0

Corrected Cooler Temp (°C): 2.3

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling proce has begun

USDA Regulated Soil (☒ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☑ Yes	☐ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☐ Yes	☑ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

Temp Log: Temp must be maintained at <6 C during login, record temp every 20 minutes.	
Time opened:	Temp:
Time:	put in cooler
Time:	Temp:

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

Qualtrax Document ID: 70677

Pace | **Receipt**

Effective Date: 5/24/2024

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

*****Check all unpreserved Nitrates for chlorine**

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Project #

WO#: 92780474

PM: SK Due Date: 03/05/25

CLIENT: 92-DomEnergy

Client: Dominion Energy Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)	BPIN	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																													
1		1	1			1								2					3	1				2				
2		3	3			3								6					9	3				6				
3		1	1			1								2					3	1				2				
4		1	1			1								2					3	1				2				
5		1	1			1								2					3	1				2				
6																												
7																												
8																												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers)

LOC ID: PPPS-1SA2025-CCR/VSWMR-Group B-1-1

Pace® Location Requested (City/State):
Pace Analytical Kernersville, NC
1377 South Park Dr., Kernersville, NC 27284

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Dominion Energy_VA
Street Address: 120 Tredegar Street, Richmond, VA 23219
Customer Project #:
Project Name: PPPS_1SA2025_CCR_GrpB
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kelly Hicks
Phone #: (804)273-4903
E-Mail: kelly.a.hicks@dominionenergy.com
Cc E-Mail:
Invoice To: Kelly Hicks
Invoice E-Mail: kelly.a.hicks@dominionenergy.com
Purchase Order # (if applicable): 50149081
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [✓] ET
County / State origin of sample(s): Virginia
Data Deliverables: [✓] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other ____
DW PWSID # or WW Permit # as applicable:
Date Results Requested:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **
Identify Container Preservative Type***
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Stephanie Knott; AcctNum / Client ID:; Table #:; Profile / Template: 13861; Prelog / Bottle Ord. ID: EZ 3222682

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	6010/6020/7470 Metals	7199 Chromium, Hexavalent	9056 IC anions - Cl/F/SO4	Phenol by 9066 - PN	RADS 226/228 - PN	Total Organic Carbon,Asheville	Sample Comment
02 18 25NED1612	WT	G			2/18/25	1515	11			X	X	X	X	X	X	X	-All samples
02 18 25NED1D	WT	G			2/18/25	1745	33			X	X	X	X	X	X	X	preserved
02 18 25NED9R2	WT	G			2/18/25	1548	11			X	X	X	X	X	X	X	on ice
02 18 25NED1605	WT	G			2/18/25	1310	11			X	X	X	X	X	X	X	-Level II data
~~02 __ 25NED1606~~ MK 2/18/25	WT									X	X	X	X	X	X	X	package requested
02 18 25NSD1603	WT									X	X	X	X	X	X	X	-MS/MSD taken @
~~02 __ 25NSD1604~~ MK 2/18/25	WT									X	X	X	X	X	X	X	ED-1D; ID's are:
~~02 __ 25NDFDDUPLICATE~~ MK 2/18/25	WT									X	X	X	X	X	X	X	021825MS, 021825MSD
02 18 25NDFBBLANK	WT	G			2/18/25	1410	11			X	X	X	X	X	X	X	
~~02 __ 25 ______~~ MS MK 2/18/25	WT									X	X	X	X	X	X	X	

Additional Instructions from Pace®:

Collected By: (Printed Name) M. Krez/K. Wood/S. Carmouche
Signature: [signatures]

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature] / W>P	2/18/25 @ 1915	[signature]	2/19 1048

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 1 of 2

COC ID: PPPS-1SA2025-CCR/VSWMR- Group B-1-1

Pace® Location Requested (City/State): Pace Analytical Kernersville, NC, 1377 South Park Dr., Kernersville, NC 27284

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Dominion Energy_VA	Contact/Report To:	Kelly Hicks
Street Address:	120 Tredegar Street Richmond, VA 23219	Phone #:	(804)273-4903
		E-Mail:	kelly.a.hicks@dominionenergy.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	PPPS_1SA2025_CCR_GrpB	Invoice To:	Kelly Hicks
		Invoice E-Mail:	kelly.a.hicks@dominionenergy.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	50149081
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [✓] ET

County / State origin of sample(s): Virginia

Data Deliverables: [✓] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Stephanie Knott; AcctNum / Client ID:; Table #:; Profile / Template: 13861; Prelog / Bottle Ord. ID: EZ 3222682

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	6010/6020/7470 Metals	7199 Chromium, Hexavalent	9056 IC anions - Cl/Fl/SO4	Phenol by 9066 - PN	RADS 226/228 - PN	Total Organic Carbon,Asheville	Sample Comment
02 18 25NED1612	WT	G			2/18/25	1515	11			X	X	X	X	X	X	X	-All samples preserved on ice
02 18 25NED1D	WT	G			2/18/25	1745	33			X	X	X	X	X	X	X	-Level II data package requested
02 18 25NED9R2	WT	G			2/18/25	1548	11			X	X	X	X	X	X	X	-MS/MSD taken @
02 18 25NED1605	WT	G			2/18/25	1310	11			X	X	X	X	X	X	X	ED-ID: ID's are:
~~02 25NED1606 MK 2/18/25~~	WT									X	X	X	X	X	X	X	02/18/25 MS, 02/18/25 MSD
02 18 25NSD1603	WT	G			2/18/2025	1535	11			X	X	X	X	X	X	X	
~~02 25NSD1604 MK 2/18/25~~	WT									X	X	X	X	X	X	X	
~~02 25NDFDDUPLICATE MK 2/18/25~~	WT									X	X	X	X	X	X	X	
02 18 25NDFBBLANK	WT	G			2/18/25	1410	11			X	X	X	X	X	X	X	
~~02 25 MS MK 2/18/25~~	WT									X	X	X	X	X	X	X	

Additional Instructions from Pace®: CKS 2/19/2025

Collected By: (Printed Name) M. Krez/K. Wood/S. Carmouche

Signature: MKrez/ [signature]

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
M. Krez/WSP	2/18/25 @ 1915			
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

EPA method 7199 - Hexavalent Chromium pH Adjustment

HBN	917201
Analyst Initials	VJM
pH Meter	~~#11~~ 92pH6

Batch # 65683

WO# 92780474, 92780477, 92780475, 92780476

Lab Sample ID	Volume of Adjusted Sample (mL)	Initial pH	2/19/25 Date/Time Adjusted	Final pH	Volume of Adjustment Buffer (mL)	Volume of NaOH (mL)	Adjustment Buffer Standard ID	NaOH Standard ID	Comments
92780473 80473001	10mL	5.7	2/19/25 12:28	9.0	.050 mics		309471		
92780474 80474001	10mL	6.2	2/19/25 12:10	9.1	.050mics				
RQS 80474002	10mL	5.0	2/19/25 12:42	9.0	.060mics				
ms 80474002	10mL	4.7	2/19/25 12:42	9.0	.060mics				
msd 80474002	10mL	4.6	2/19/25 12:45	9.0	.060mics				
~~80474003~~	~~10 mics~~	~~5.2~~	~~2/19/25~~						
(10mL) 80474004	10mL	4.1	2/19/25 12:15	9.0	.110mics				
80474005	10mL	5.4	2/19/25 12:20	9.0	.090mics				
80474006	10mL	6.2	2/19/25 12:00	4.3	.050mics				
92780475 80475001	10mL	6.0	2/19/25 12:04	9.2	.050 mics				
92780476 80476001	10mL	5.6	2/19/25 12:08	9.0	.050mics				
92780477 80477001	10mL	5.4	2/19/25 12:09	9.2	.050 mics				
RQS 80477002	10mL	6.1	2/19/25 12:09	9.0	.060 mics				
ms 80477002	10mL	6.3	2/19/25 12:09	9.0	.050mics				
msd 80477002	10mL	6.5	2/19/25 12:10	9.0	.050mics				
80477003	10mL	5.4	2/19/25 12:26	9.0	.050mics				
80474003	10mL	5.2	2/19/25 12:24	9.0	.060mics				

Pace

Receipt

Effective Date: 5/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Dominion Energy - VA

Project WO#: 92780474

92780474

Courier: ☐ Commercial ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Other:____

Carrier Tracking Number: _____

Custody Seal Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No **Date/Initials Person Examining Contents:** VD 2/21/25

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 92883 **Type of Ice:** ☑ Wet ☐ Blue ☐ None

Cooler Temp (°C): 1.8 **Correction Factor:** Add / Subtract (°C) 0

Corrected Cooler Temp (°C): 1.8

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling proce has begun

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☑ Yes	☐ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☐ Yes	☑ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

Temp Log: Temp must be maintained at <6 C during login, record temp every 20 minutes.	
Time opened:	Temp:
Time:	put in cooler
Time:	Temp:

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92780474

PM: SK Due Date: 03/05/25

CLIENT: 92-DomEnergy

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client Dominion Energy Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)	BPIN	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																												
1		1	1			1								2					3	1				2				
2		1	1			1								2					3	1				2				
3		1	1			1								2					3	1				2				
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers)

COC ID: PPPS-1SA2025-CCR/VSWMR-GroupB-2-1

Pace® Location Requested (City/State):
Pace Analytical Kernersville, NC
1377 South Park Dr., Kernersville, NC 27284

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Dominion Energy_VA	Contact/Report To:	Kelly Hicks
Street Address:	120 Tredegar Street Richmond, VA 23219	Phone #:	(804)273-4903
		E-Mail:	kelly.a.hicks@dominionenergy.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	PPPS_1SA2025_CCR_GrpB	Invoice To:	Kelly Hicks
		Invoice E-Mail:	kelly.a.hicks@dominionenergy.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	50149081
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Virginia

Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Stephanie Knott

AcctNum / Client ID:

Table #

Profile / Template: 13861

Prelog / Bottle Ord. ID: EZ 3222682

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	6010/6020/7470 Metals	7199 Chromium, Hexavalent	9056 IC anions - Cl/Fl/SO4	Phenol by 9066 - PN	RADS 226/228 - PN	Total Organic Carbon,Asheville	Sample Comment	Preservation non-conformance identified for sample.
~~02 25NED1612 MK 2/20/25~~	WT									X	X	X	X	X	X	X	- All samples preserved on ice	
~~02 25NED10 MK 2/20/25~~	WT									X	X	X	X	X	X	X	- Level II data package requested	
~~02 25NED9R2 MK 2/20/25~~	WT									X	X	X	X	X	X	X		
~~02 25NED1605 MK 2/20/25~~	WT									X	X	X	X	X	X	X		
02 20 25NED1606	WT	G	2/20/25	[illegible]		1415	11			X	X	X	X	X	X	X		
~~02 25NSD1603 MK 2/20/25~~	WT									X	X	X	X	X	X	X		
02 26 25NSD1604	WT	G			2/20/25	1410	11			X	X	X	X	X	X	X		
02 27 25NDFDDUPLICATE	WT	G			2/20/25	1415	11			X	X	X	X	X	X	X		
~~02 25NDFBBLANK MK 2/20/25~~	WT									X	X	X	X	X	X	X		
~~02 25 MS MK 2/20/25~~	WT									X	X	X	X	X	X	X		

Additional Instructions from Pace®:

Collected By: (Printed Name) M. Knez / K. Wood

Signature: M. Knez / [illegible]

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp (°C)	Corrected Temp. (°C)	On Ice:
1	92T083	1.8			

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
MK / WSP	2/20/25@ 1700	WMD PACE HM	2/21/25 10:30	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 2

EPA method 7199 - Hexavalent Chromium pH Adjustment

HBN	417723
Analyst Initials	VJM
pH Meter	92PH6

Batch #65714

WO#92780713, 92780474, 92780477 92780475

Lab Sample ID	Volume of Adjusted Sample (mL)	Initial pH	2/21/25 Date/Time Adjusted	Final pH	Volume of Adjustment Buffer (mL)	Volume of NaOH (mL)	Adjustment Buffer Standard ID	NaOH Standard ID	Comments
80713003 RQS	10mL	5.4	2/21/25 11:28	9.1	.050mL		309971		
80713003 MS	10mL	5.0	2/21/25 11:29	9.2	.050mL				
80713003MSD	10mL	4.9	2/21/25 11:30	9.1	.050mL				
80713004	10mL	5.5	2/21/25 11:32	9.0	.050mL				
80477007	10mL	5.0	2/21/25 11:35	9.0	.060mL				
80713006	10mL	5.5	2/21/25 11:34	9.0	.050mL				
80477008	10 mL	5.7	2/21/25 11:37	9.4	.050mL				
80475002	10mL	5.2	2/21/25 11:38	9.0	.060mL				
80474008	10 mL	5.2	2/21/25 11:40	9.0	.060mL				
80474007	10 mL	4.7	2/21/25 11:47	9.0	.070mL				
80474009	10 mL	5.1	2/21/25 11:50	9.0	.070mL				
80713005	10 mL	5.9	2/21/25 11:51	9.0	.060mL				

ANALYTICAL REPORT

March 21, 2025

Pace Analytical - Kernersville, NC

Sample Delivery Group:	L1829617
Samples Received:	02/25/2025
Project Number:	92780474
Description:	PPS_1SA2025_CCR_GrpB
Site:	001
Report To:	Stephanie Knott 1377 S Park Dr Kernersville, NC 27284

Entire Report Reviewed By:

Nancy McLain
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

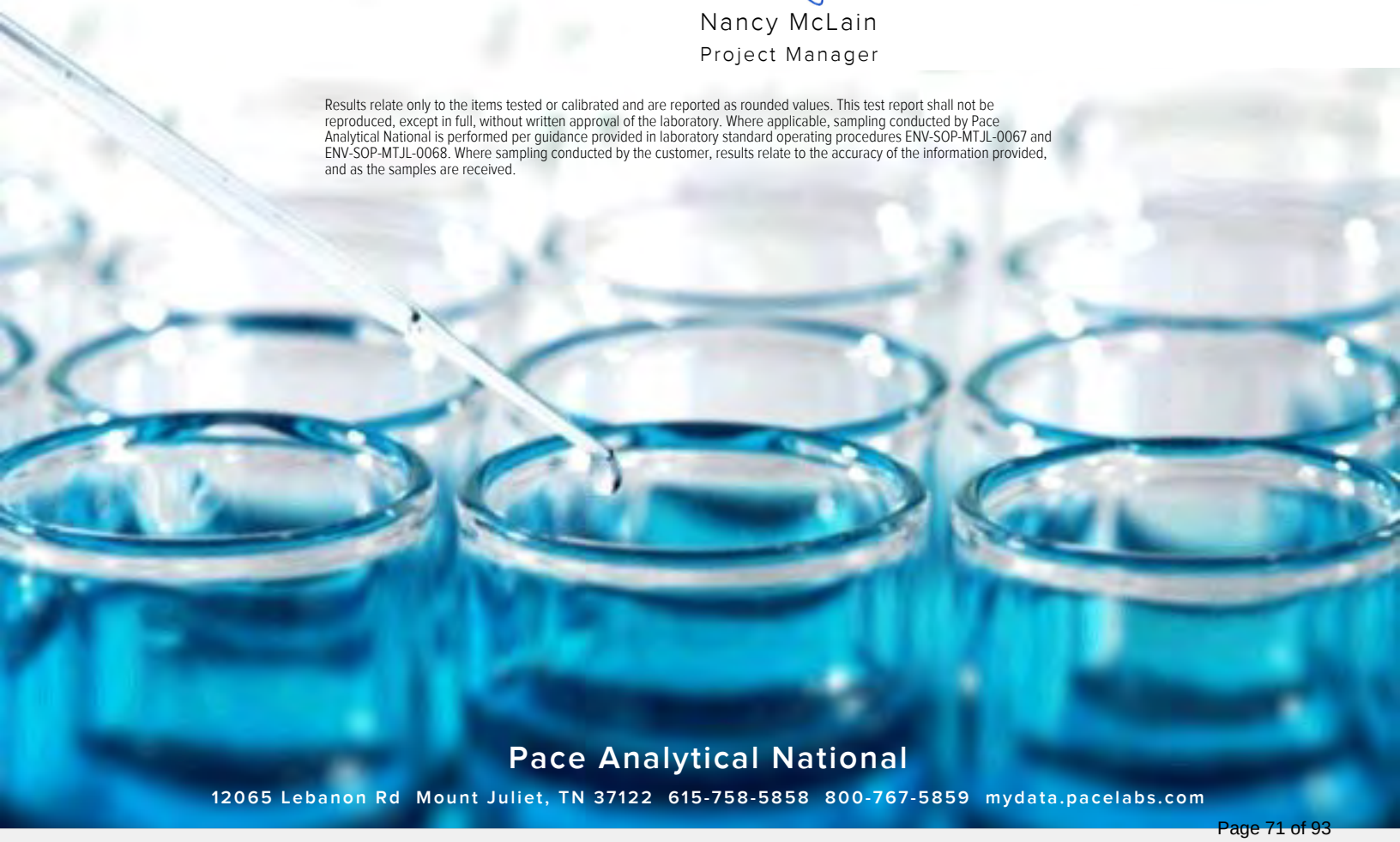

TABLE OF CONTENTS

021825NED1612 L1829617-01 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/18/25 15:15	02/25/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2460191	1	02/28/25 14:00	03/06/25 01:34	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2461521	1	03/03/25 12:02	03/10/25 17:42	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2460191	1	02/28/25 14:00	03/10/25 17:42	DDD	Mt. Juliet, TN

021825NED1D L1829617-02 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/18/25 17:45	02/25/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2461419	1	03/03/25 10:44	03/17/25 23:36	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2464353	1	03/07/25 10:25	03/14/25 20:47	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2461419	1	03/03/25 10:44	03/17/25 23:36	ASN	Mt. Juliet, TN

021825NED9R2 L1829617-03 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/18/25 15:48	02/25/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2461419	1	03/03/25 10:44	03/06/25 22:23	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2461521	1	03/03/25 12:02	03/10/25 17:42	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2461419	1	03/03/25 10:44	03/10/25 17:42	ASN	Mt. Juliet, TN

021825NED1605 L1829617-04 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/18/25 13:10	02/25/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2461419	1	03/03/25 10:44	03/06/25 22:23	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2461521	1	03/03/25 12:02	03/10/25 17:42	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2461419	1	03/03/25 10:44	03/10/25 17:42	ASN	Mt. Juliet, TN

021825NSD1603 L1829617-05 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/18/25 15:35	02/25/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2461419	1	03/03/25 10:44	03/06/25 22:23	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2461521	1	03/03/25 12:02	03/10/25 17:42	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2461419	1	03/03/25 10:44	03/10/25 17:42	ASN	Mt. Juliet, TN

021825NDFBBLANK L1829617-06 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/18/25 14:10	02/25/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2461419	1	03/03/25 10:44	03/06/25 22:23	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2461521	1	03/03/25 12:02	03/10/25 17:42	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2461419	1	03/03/25 10:44	03/10/25 17:42	ASN	Mt. Juliet, TN

022025NED1606 L1829617-07 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/20/25 14:15	02/25/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2461419	1	03/03/25 10:44	03/06/25 23:23	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2461521	1	03/03/25 12:02	03/10/25 17:42	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2461419	1	03/03/25 10:44	03/10/25 17:42	ASN	Mt. Juliet, TN

022025NSD1604 L1829617-08 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/20/25 14:10	02/25/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2461419	1	03/03/25 10:44	03/06/25 23:23	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2461521	1	03/03/25 12:02	03/10/25 17:42	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2461419	1	03/03/25 10:44	03/10/25 17:42	ASN	Mt. Juliet, TN

022025NDFDDUPLICATE L1829617-09 Non-Potable Water

Collected by	Collected date/time	Received date/time
	02/20/25 14:15	02/25/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2461419	1	03/03/25 10:44	03/06/25 23:23	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2461521	1	03/03/25 12:02	03/10/25 17:42	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2461419	1	03/03/25 10:44	03/10/25 17:42	ASN	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Nancy McLain
Project Manager

Radiochemistry by Method 903.0/9315

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
Radium-226	0.210	J	0.246	0.383	0.401	0.138	03/06/2025 01:34	WG2460191
(T) Barium	*100*					*30.0-143*	*03/06/2025 01:34*	WG2460191

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.500		0.262	0.473	0.449	0.236	03/10/2025 17:42	WG2461521
(T) Barium	*106*					*30.0-143*	*03/10/2025 17:42*	WG2461521
(T) Yttrium	*88.4*					*30.0-136*	*03/10/2025 17:42*	WG2461521

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.710		0.359	0.602	03/10/2025 17:42	WG2460191

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	0.294		0.176	0.313	0.217	0.0793	03/17/2025 23:36	WG2461419
(T) Barium	*103*					*30.0-143*	*03/17/2025 23:36*	WG2461419

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	1.37		0.725	1.25	1.27	0.665	03/14/2025 20:47	WG2464353
(T) Barium	*121*					*30.0-143*	*03/14/2025 20:47*	WG2464353
(T) Yttrium	*78.7*					*30.0-136*	*03/14/2025 20:47*	WG2464353

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.67		0.746	1.29	03/17/2025 23:36	WG2461419

Radiochemistry by Method 903.0/9315

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
Radium-226	0.253	J	0.292	0.429	0.483	0.188	03/06/2025 22:23	WG2461419
(T) Barium	*98.8*					*30.0-143*	*03/06/2025 22:23*	WG2461419

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.90		0.261	0.480	0.398	0.211	03/10/2025 17:42	WG2461521
(T) Barium	*96.2*					*30.0-143*	*03/10/2025 17:42*	WG2461521
(T) Yttrium	*85.5*					*30.0-136*	*03/10/2025 17:42*	WG2461521

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	2.16		0.392	0.626	03/10/2025 17:42	WG2461419

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	1.26		0.463	0.600	0.443	0.168	03/06/2025 22:23	WG2461419
(T) Barium	*102*					*30.0-143*	*03/06/2025 22:23*	WG2461419

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	2.47		0.503	0.817	0.819	0.428	03/10/2025 17:42	WG2461521
(T) Barium	*95.2*					*30.0-143*	*03/10/2025 17:42*	WG2461521
(T) Yttrium	*82.9*					*30.0-136*	*03/10/2025 17:42*	WG2461521

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	3.73		0.684	0.931	03/10/2025 17:42	WG2461419

Radiochemistry by Method 903.0/9315

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
Radium-226	0.681		0.351	0.488	0.396	0.145	03/06/2025 22:23	WG2461419
(T) Barium	*209*	C1				*30.0-143*	*03/06/2025 22:23*	WG2461419

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.10		0.405	0.695	0.684	0.358	03/10/2025 17:42	WG2461521
(T) Barium	*120*					*30.0-143*	*03/10/2025 17:42*	WG2461521
(T) Yttrium	*91.9*					*30.0-136*	*03/10/2025 17:42*	WG2461521

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.79		0.536	0.790	03/10/2025 17:42	WG2461419

Radiochemistry by Method 903.0/9315

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
Radium-226	-0.0715	U	0.198	0.335	0.479	0.186	03/06/2025 22:23	WG2461419
(T) Barium	*104*					*30.0-143*	*03/06/2025 22:23*	WG2461419

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	-0.375	U	0.398	0.692	0.715	0.374	03/10/2025 17:42	WG2461521
(T) Barium	*113*					*30.0-143*	*03/10/2025 17:42*	WG2461521
(T) Yttrium	*89.6*					*30.0-136*	*03/10/2025 17:42*	WG2461521

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.000	U	0.445	0.861	03/10/2025 17:42	WG2461419

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	0.884		0.410	0.547	0.474	0.185	03/06/2025 23:23	WG2461419
(T) Barium	*100*					*30.0-143*	*03/06/2025 23:23*	WG2461419

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	2.06		0.287	0.507	0.440	0.232	03/10/2025 17:42	WG2461521
(T) Barium	*111*					*30.0-143*	*03/10/2025 17:42*	WG2461521
(T) Yttrium	*82.4*					*30.0-136*	*03/10/2025 17:42*	WG2461521

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	2.94		0.500	0.647	03/10/2025 17:42	WG2461419

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	0.572		0.343	0.481	0.440	0.167	03/06/2025 23:23	WG2461419
(T) Barium	*104*					*30.0-143*	*03/06/2025 23:23*	WG2461419

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	1.30		0.315	0.608	0.515	0.273	03/10/2025 17:42	WG2461521
(T) Barium	*107*					*30.0-143*	*03/10/2025 17:42*	WG2461521
(T) Yttrium	*90.1*					*30.0-136*	*03/10/2025 17:42*	WG2461521

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.87		0.466	0.677	03/10/2025 17:42	WG2461419

Radiochemistry by Method 903.0/9315

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
Radium-226	0.961		0.401	0.538	0.394	0.144	03/06/2025 23:23	WG2461419
(T) Barium	*102*					*30.0-143*	*03/06/2025 23:23*	WG2461419

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.09		0.254	0.476	0.413	0.219	03/10/2025 17:42	WG2461521
(T) Barium	*103*					*30.0-143*	*03/10/2025 17:42*	WG2461521
(T) Yttrium	*81.5*					*30.0-136*	*03/10/2025 17:42*	WG2461521

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	2.05		0.475	0.571	03/10/2025 17:42	WG2461419

Method Blank (MB)

(MB) R4183157-1 03/06/25 00:33

Analyte	MB Result	MB Qualifier	MB 2 sigma CE	MB MDA	MB Lc
	pCi/l		+ / -	pCi/l	pCi/l
Radium-226	0.0642	U	0.151	0.287	0.112
(T) Barium	*98.2*		*98.2*		

L1829617-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1829617-01 03/06/25 01:34 • (DUP) R4183157-5 03/06/25 01:34

Analyte	Original Result	Original 2 sigma CE	Original MDA	Original Lc	DUP Result	DUP 2 sigma CE	DUP MDA	DUP Lc	DUP RPD	DUP RER	DUP Qualifier	DUP RPD Limits	DUP RER Limit
	pCi/l	+ / -	pCi/l	pCi/l	pCi/l	+ / -	pCi/l	pCi/l	%			%	
Radium-226	0.210	0.246	0.401	0.138	0.000	0.516	1.12	0.435	200	0.366	U	20	3
(T) Barium	*100*				*109*	*109*							

Laboratory Control Sample (LCS)

(LCS) R4183157-2 03/06/25 00:33

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	pCi/l	pCi/l	%	%	
Radium-226	5.00	4.82	96.5	80.0-120	
(T) Barium			*107*		

L1829574-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1829574-02 03/06/25 01:34 • (MS) R4183157-3 03/06/25 00:33 • (MSD) R4183157-4 03/06/25 00:33

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	MS RER	RPD Limits
	pCi/l	pCi/l	pCi/l	pCi/l	%	%		%			%		%
Radium-226	20.0	0.463	22.4	20.1	110	98.1	1	75.0-125			11.1		20
(T) Barium		*105*			*110*	*108*							

Method Blank (MB)

(MB) R4187639-1 03/06/25 20:23

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	0.110	J	0.134	0.225	
(T) Barium	*104*		*104*		

Laboratory Control Sample (LCS)

(LCS) R4187639-2 03/06/25 20:23

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	5.20	104	80.0-120	
(T) Barium			*104*		

L1831327-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1831327-02 03/07/25 00:24 • (MS) R4187639-4 03/06/25 21:23 • (MSD) R4187639-5 03/06/25 21:23

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.000	22.3	21.7	111	109	1	75.0-125			2.45		20
(T) Barium		*103*			*99.9*	*92.7*							

L1829617-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1829617-02 03/17/25 23:36 • (MS) R4187639-7 03/17/25 23:36 • (MSD) R4187639-8 03/17/25 23:36

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.294	18.6	19.4	91.6	95.5	1	75.0-125			4.11		20
(T) Barium		*103*			*103*	*97.8*							

Method Blank (MB)

(MB) R4185204-1 03/10/25 17:42

Analyte	MB Result	MB Qualifier	MB 2 sigma CE	MB MDA	MB Lc
	pCi/l		+ / -	pCi/l	pCi/l
Radium-228	0.000	U	0.180	0.320	0.168
(T) Barium	*110*		*110*		
(T) Yttrium	*89.7*		*89.7*		

L1829617-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1829617-05 03/10/25 17:42 • (DUP) R4185204-5 03/10/25 17:42

Analyte	Original Result	Original 2 sigma CE	Original MDA	Original Lc	DUP Result	DUP 2 sigma CE	DUP MDA	DUP Lc	DUP RPD	DUP RER	DUP Qualifier	DUP RPD Limits	DUP RER Limit
	pCi/l	+ / -	pCi/l	pCi/l	pCi/l	+ / -	pCi/l	pCi/l	%			%	
Radium-228	1.10	0.405	0.684	0.358	2.11	0.432	0.705	0.368	62.5	1.70		20	3
(T) Barium	*120*				*110*	*110*							
(T) Yttrium	*91.9*				*86.0*	*86.0*							

Laboratory Control Sample (LCS)

(LCS) R4185204-2 03/10/25 17:42

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	pCi/l	pCi/l	%	%	
Radium-228	5.00	4.35	87.0	80.0-120	
(T) Barium			*115*		
(T) Yttrium			*87.4*		

L1829584-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1829584-03 03/10/25 17:42 • (MS) R4185204-3 03/10/25 17:42 • (MSD) R4185204-4 03/10/25 17:42

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	MS RER	RPD Limits
	pCi/l	pCi/l	pCi/l	pCi/l	%	%		%			%		%
Radium-228	16.7	1.43	14.5	16.9	78.1	92.9	1	70.0-130			15.8		20
(T) Barium		*101*			*98.6*	*119*							
(T) Yttrium		*95.3*			*94.8*	*87.2*							

Method Blank (MB)

(MB) R4189154-1 03/14/25 20:47

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	0.150	U	0.237	0.424	0.221
(T) Barium	*88.4*		*88.4*		
(T) Yttrium	*81.9*		*81.9*		

L1831298-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1831298-20 03/18/25 21:35 • (DUP) R4189154-5 03/14/25 20:47

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	0.738	0.337	0.618	0.326	0.945	0.446	0.779	0.408	24.6	0.371		20	3
(T) Barium	*106*				*86.7*	*86.7*							
(T) Yttrium	*84.5*				*88.9*	*88.9*							

Laboratory Control Sample (LCS)

(LCS) R4189154-2 03/14/25 20:47

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	4.54	90.7	80.0-120	
(T) Barium			*108*		
(T) Yttrium			*87.4*		

L1829617-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1829617-02 03/14/25 20:47 • (MS) R4189154-3 03/14/25 20:47 • (MSD) R4189154-4 03/14/25 20:47

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	16.7	1.37	15.3	15.0	83.2	81.8	1	70.0-130			1.52		20
(T) Barium		*121*			*84.2*	*101*							
(T) Yttrium		*78.7*			*93.8*	*88.2*							

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDA	Minimum Detectable Activity.
Rec.	Recovery.
RER	Replicate Error Ratio.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C1	Tracer recovery limits have been exceeded; values are outside upper control limits.
J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Below Detectable Limits: Indicates that the analyte was not detected.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

C131

Internal Transfer Chain of Custody

☐ Rush Multiplier____X
☐ Samples Pre-Logged into eCOC

State Of Origin: VA
Cert. Needed: ☒ Yes ☐ No

Workorder: 92780474 Workorder Name: PPPS_1SA2025_CCR_GrpB

Owner Received Date: 2/19/2025 Results Requested By: 3/5/2025

Report To	Subcontract To
Stephanie Knott Pace Analytical Kernersville 1377 South Park Drive Kernersville, NC 27284 Phone 704-977-0981	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers HNO3	H2SO4	Requested Analysis: Phenol by 9066	Ra 226/903.0	Ra 228/904.0 + Combined Ra	LAB USE ONLY L829167
1	021825NED1612	PS	2/18/2025 15:15	92780474001	Water	2	2	X	X	X	-01
2	021825NED1D	RQS	2/18/2025 17:45	92780474002	Water	6	6	X	X	X	-02
3	021825NED9R2	PS	2/18/2025 15:48	92780474003	Water	2	2	X	X	X	-03
4	021825NED1605	PS	2/18/2025 13:10	92780474004	Water	2	2	X	X	X	-04
5	021825NSD1603	PS	2/18/2025 15:35	92780474005	Water	2	2	X	X	X	-05
6	021825NDFBBLANK	PS	2/18/2025 14:10	92780474006	Water	2	2	X	X	X	-06
7	022025NED1606	PS	2/20/2025 14:15	92780474007	Water	2	2	X	X	X	-07
8	022025NED1604	PS	2/20/2025 14:10	92780474008	Water	2	2	X	X	X	-08
9	022025NDFDDUPLICATE	PS	2/20/2025 14:15	92780474009	Water	2	2	X	X	X	-09

Transfers	Released By	Date/Time	Received By	Date/Time
1	Ice Rec FW	2-24-25 1811	Ashley Bartlett	02/25/2025 0400
2				
3				

Comments: *MS/MSD required on sample 002

Cooler Temperature on Receipt _____°C | Custody Seal Y or N (NP) | Received on Ice (Y) or N | Samples Intact (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

Sample Receipt Checklist

COC Seal Present/Intact:	Y N (NP)	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RA Screen <0.5 mR/hr:	Y N		

Containers: 44

PH – 10BDH2631
TRC – 4072A72

LF629617

Pace

Ship To:
Pace National
12065 Lebanon Rd
Mt. Juliet, TN 37122
Phone (615) 758-5858

INTER_LABORATORY WORK ORDER # 92780474
(To be completed by sending lab)

Sending Project No:	92780474
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	02/24/25
REQUESTED COMPLETION DATE:	**3/5/2025**

Sending Region	IR92-Charlotte	Sending Project Mgr.	Stephanie Knott
Receiving Region	IR850-Pace National	External Client	Dominion Energy_VA
State of Sample Origin	VA	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Wet Cert. Needed _____

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Phenol by 9066	AG3S		H2SO4	9	SI-21WET	SUB PASI WET
Ra 226/903.0	BP1N		HNO3	9	SI-38RAD	SUB PASI RAD
Ra 228/904.0 + Combined Ra	BP1N		HNO3	9	SI-38RAD02	SUB PASI RAD

Special Requirements: Report D, QC Limits, MDLs (D),Dominion EQEDD (1616),Golder Equis 5 (34)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☐ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

March 27, 2025

Kelly Hicks
Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219

RE: Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

Dear Kelly Hicks:

Enclosed are the analytical results for sample(s) received by the laboratory on February 19, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte

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

Sincerely,

Stephanie Knott

Stephanie Knott
stephanie.knott@pacelabs.com
704-977-0981
Project Manager

Enclosures

cc: ENV STD DM
Michael Knez, WSP
Rashida Marlowe, Dominion Energy Services, Inc.
Catherine Pezzaro, WSP USA, Inc.
Crystal Shadle, Golder Associates Inc.
Environmental Standards, Inc., Environmental Standards, Inc.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92780473001	**021825NSD1611D**	Water	02/18/25 17:25	02/19/25 10:48

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SAMPLE ANALYTE COUNT

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92780473001	**021825NSD1611D**	EPA 7199	VJM	1	PASI-C
		EPA 6010D	MGW	16	PASI-A
		EPA 6020B	DBB1	9	PASI-A
		EPA 7470A	MAB2	1	PASI-A
		EPA 9066	LDT	1	PAN
		SM 2540C-2015	CMW1	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
		EPA 9060A	MDW	5	PASI-A

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-C = Pace Analytical Services - Charlotte

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SUMMARY OF DETECTION

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92780473001	**021825NSD1611D**					
EPA 6010D	Barium	47.6	ug/L	5.0	02/23/25 18:30	
EPA 6010D	Boron	6.3J	ug/L	50.0	02/23/25 18:30	
EPA 6010D	Calcium	11600	ug/L	100	02/23/25 18:30	
EPA 6010D	Hardness, Total(SM 2340B)	53900	ug/L	662	02/23/25 18:30	
EPA 6010D	Zinc	5.5J	ug/L	10.0	02/23/25 18:30	
EPA 6020B	Iron	3280	ug/L	20.0	03/12/25 00:20	
EPA 6020B	Lithium	14.9	ug/L	2.5	03/12/25 00:20	
EPA 6020B	Manganese	224	ug/L	20.0	03/12/25 00:24	
EPA 6020B	Potassium	8850	ug/L	100	03/12/25 00:20	
EPA 6020B	Sodium	5090	ug/L	250	03/12/25 00:20	
SM 2540C-2015	Total Dissolved Solids	130	mg/L	10.0	02/24/25 15:34	
EPA 9056A	Chloride	19.8	mg/L	1.0	02/20/25 15:30	
EPA 9056A	Sulfate	5.4	mg/L	1.0	02/20/25 15:30	

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

Method: **EPA 7199**
Description: 7199 Chromium, Hexavalent
Client: Dominion Energy_VA
Date: March 27, 2025

General Information:
1 sample was analyzed for EPA 7199 by Pace Analytical Services Charlotte. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 917201

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92780474002,92780477002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4713642)
  - Chromium, Hexavalent
- MS (Lab ID: 4713644)
  - Chromium, Hexavalent

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

Method: **EPA 6010D**
Description: 6010 MET ICP
Client: Dominion Energy_VA
Date: March 27, 2025

General Information:
1 sample was analyzed for EPA 6010D by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

Method: **EPA 6020B**
Description: 6020 MET ICPMS
Client: Dominion Energy_VA
Date: March 27, 2025

General Information:
1 sample was analyzed for EPA 6020B by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 919050

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s):
92777579004,92780474002,92780477002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4722981)
  - Sodium
- MS (Lab ID: 4722985)
  - Iron
- MSD (Lab ID: 4722982)
  - Sodium
- MSD (Lab ID: 4722984)
  - Iron
  - Tin

R1: RPD value was outside control limits.

- MSD (Lab ID: 4722984)

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

Method: **EPA 6020B**
Description: 6020 MET ICPMS
Client: Dominion Energy_VA
Date: March 27, 2025

QC Batch: 919050

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92777579004,92780474002,92780477002

R1: RPD value was outside control limits.

- Iron
- Tin

Additional Comments:

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

Method: **EPA 7470A**
Description: 7470 Mercury
Client: Dominion Energy_VA
Date: March 27, 2025

General Information:
1 sample was analyzed for EPA 7470A by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

Method: **EPA 9066**
Description: Wet Chemistry 9066
Client: Dominion Energy_VA
Date: March 27, 2025

General Information:
1 sample was analyzed for EPA 9066 by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

Method: **SM 2540C-2015**
Description: 2540C Total Dissolved Solids
Client: Dominion Energy_VA
Date: March 27, 2025

General Information:
1 sample was analyzed for SM 2540C-2015 by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

Method: **EPA 9056A**
Description: 9056 IC anions 28 Days
Client: Dominion Energy_VA
Date: March 27, 2025

General Information:
1 sample was analyzed for EPA 9056A by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 917412

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92780474005

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4715157)
  - Chloride
- MSD (Lab ID: 4715158)
  - Chloride

Additional Comments:

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

Method: **EPA 9060A**
Description: Total Organic Carbon,Asheville
Client: Dominion Energy_VA
Date: March 27, 2025

General Information:
1 sample was analyzed for EPA 9060A by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

Sample: 021825NSD1611D **Lab ID: 92780473001** Collected: 02/18/25 17:25 Received: 02/19/25 10:48 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	ND	ug/L	0.025	0.0043	1		02/19/25 14:26	18540-29-9	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony	ND	ug/L	5.0	3.6	1	02/22/25 15:20	02/23/25 18:30	7440-36-0	
Arsenic	ND	ug/L	10.0	2.5	1	02/22/25 15:20	02/23/25 18:30	7440-38-2	
Barium	**47.6**	ug/L	5.0	0.79	1	02/22/25 15:20	02/23/25 18:30	7440-39-3	
Beryllium	ND	ug/L	1.0	0.16	1	02/22/25 15:20	02/23/25 18:30	7440-41-7	
Boron	**6.3J**	ug/L	50.0	4.0	1	02/22/25 15:20	02/23/25 18:30	7440-42-8	
Cadmium	ND	ug/L	1.0	0.29	1	02/22/25 15:20	02/23/25 18:30	7440-43-9	
Calcium	**11600**	ug/L	100	14.7	1	02/22/25 15:20	02/23/25 18:30	7440-70-2	
Chromium	ND	ug/L	5.0	0.63	1	02/22/25 15:20	02/23/25 18:30	7440-47-3	
Copper	ND	ug/L	5.0	0.62	1	02/22/25 15:20	02/23/25 18:30	7440-50-8	
Molybdenum	ND	ug/L	5.0	2.6	1	02/22/25 15:20	02/23/25 18:30	7439-98-7	
Nickel	ND	ug/L	5.0	0.88	1	02/22/25 15:20	02/23/25 18:30	7440-02-0	
Selenium	ND	ug/L	10.0	4.1	1	02/22/25 15:20	02/23/25 18:30	7782-49-2	
Silver	ND	ug/L	5.0	0.49	1	02/22/25 15:20	02/23/25 18:30	7440-22-4	
Hardness, Total(SM 2340B)	**53900**	ug/L	662	36.8	1	02/22/25 15:20	02/23/25 18:30		
Vanadium	ND	ug/L	5.0	1.6	1	02/22/25 15:20	02/23/25 18:30	7440-62-2	
Zinc	**5.5J**	ug/L	10.0	3.0	1	02/22/25 15:20	02/23/25 18:30	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Cobalt	ND	ug/L	1.0	0.14	1	02/27/25 15:55	03/12/25 00:20	7440-48-4	
Iron	**3280**	ug/L	20.0	3.0	1	02/27/25 15:55	03/12/25 00:20	7439-89-6	
Lead	ND	ug/L	1.0	0.18	1	02/27/25 15:55	03/12/25 00:20	7439-92-1	
Lithium	**14.9**	ug/L	2.5	0.33	1	02/27/25 15:55	03/12/25 00:20	7439-93-2	
Manganese	**224**	ug/L	20.0	2.4	10	02/27/25 15:55	03/12/25 00:24	7439-96-5	
Potassium	**8850**	ug/L	100	18.0	1	02/27/25 15:55	03/12/25 00:20	7440-09-7	
Sodium	**5090**	ug/L	250	14.4	1	02/27/25 15:55	03/12/25 00:20	7440-23-5	
Thallium	ND	ug/L	0.20	0.028	1	02/27/25 15:55	03/12/25 00:20	7440-28-0	
Tin	ND	ug/L	1.0	0.14	1	02/27/25 15:55	03/12/25 00:20	7440-31-5	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	0.12	1	02/22/25 19:50	02/24/25 12:47	7439-97-6	
Wet Chemistry 9066	Analytical Method: EPA 9066 Preparation Method: SW-846 9066 Pace National - Mt. Juliet								
Phenolics, Total Recoverable	ND	mg/L	0.0400	0.0115	1	02/26/25 07:29	02/26/25 13:48	64743-03-9	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**130**	mg/L	10.0	10.0	1		02/24/25 15:34		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

Sample: 021825NSD1611D **Lab ID: 92780473001** Collected: 02/18/25 17:25 Received: 02/19/25 10:48 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**19.8**	mg/L	1.0	0.60	1		02/20/25 15:30	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/20/25 15:30	16984-48-8	
Sulfate	**5.4**	mg/L	1.0	0.50	1		02/20/25 15:30	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 02:37	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 02:37	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 02:37	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 02:37	7440-44-0	
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 02:37	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

QC Batch: 917201
QC Batch Method: EPA 7199
Analysis Method: EPA 7199
Analysis Description: 7199 Chromium, Hexavalent
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92780473001

METHOD BLANK: 4713639 Matrix: Water
Associated Lab Samples: 92780473001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chromium, Hexavalent	ug/L	ND	0.025	0.0043	02/19/25 11:03	

LABORATORY CONTROL SAMPLE: 4713640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	ug/L	0.1	0.11	106	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4713642 4713643

Parameter	Units	92780477002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	ug/L	0.012J	0.1	0.1	0.12	0.12	111	104	90-110	6	20	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4713644 4713645

Parameter	Units	92780474002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	ug/L	0.44	0.1	0.1	0.58	0.54	140	105	90-110	6	20	M1

SAMPLE DUPLICATE: 4713641

Parameter	Units	92780474004 Result	Dup Result	RPD	Max RPD	Qualifiers
Chromium, Hexavalent	ug/L	0.32	0.29	10	20	H1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

QC Batch: 917873
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780473001

METHOD BLANK: 4717713 Matrix: Water
Associated Lab Samples: 92780473001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.12	02/24/25 12:43	

LABORATORY CONTROL SAMPLE: 4717714

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.5	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4717717 4717718

Parameter	Units	92780474002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.6	2.5	102	101	75-125	1	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

QC Batch: 917950
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92780473001

METHOD BLANK: 4717941 Matrix: Water
Associated Lab Samples: 92780473001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	3.6	02/23/25 18:24	
Arsenic	ug/L	ND	10.0	2.5	02/23/25 18:24	
Barium	ug/L	ND	5.0	0.79	02/23/25 18:24	
Beryllium	ug/L	ND	1.0	0.16	02/23/25 18:24	
Boron	ug/L	ND	50.0	4.0	02/23/25 18:24	
Cadmium	ug/L	ND	1.0	0.29	02/23/25 18:24	
Calcium	ug/L	ND	100	14.7	02/23/25 18:24	
Chromium	ug/L	ND	5.0	0.63	02/23/25 18:24	
Copper	ug/L	ND	5.0	0.62	02/23/25 18:24	
Hardness, Total(SM 2340B)	ug/L	ND	662	36.8	02/23/25 18:24	
Molybdenum	ug/L	ND	5.0	2.6	02/23/25 18:24	
Nickel	ug/L	ND	5.0	0.88	02/23/25 18:24	
Selenium	ug/L	ND	10.0	4.1	02/23/25 18:24	
Silver	ug/L	ND	5.0	0.49	02/23/25 18:24	
Vanadium	ug/L	ND	5.0	1.6	02/23/25 18:24	
Zinc	ug/L	ND	10.0	3.0	02/23/25 18:24	

LABORATORY CONTROL SAMPLE: 4717942

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	451	90	80-120	
Arsenic	ug/L	500	444	89	80-120	
Barium	ug/L	500	457	91	80-120	
Beryllium	ug/L	500	451	90	80-120	
Boron	ug/L	500	453	91	80-120	
Cadmium	ug/L	500	445	89	80-120	
Calcium	ug/L	5000	4470	89	80-120	
Chromium	ug/L	500	453	91	80-120	
Copper	ug/L	500	461	92	80-120	
Hardness, Total(SM 2340B)	ug/L	33100	29300	89	80-120	
Molybdenum	ug/L	500	459	92	80-120	
Nickel	ug/L	500	448	90	80-120	
Selenium	ug/L	500	428	86	80-120	
Silver	ug/L	250	226	90	80-120	
Vanadium	ug/L	500	454	91	80-120	
Zinc	ug/L	500	444	89	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4717943 4717944

Parameter	Units	92780713003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	469	472	94	94	75-125	1	20	
Arsenic	ug/L	ND	500	500	458	459	92	92	75-125	0	20	
Barium	ug/L	48.8	500	500	514	510	93	92	75-125	1	20	
Beryllium	ug/L	0.65J	500	500	463	468	92	93	75-125	1	20	
Boron	ug/L	ND	500	500	470	474	93	94	75-125	1	20	
Cadmium	ug/L	ND	500	500	450	453	90	91	75-125	1	20	
Calcium	ug/L	6790	5000	5000	11600	11400	97	92	75-125	2	20	
Chromium	ug/L	1.6J	500	500	456	461	91	92	75-125	1	20	
Copper	ug/L	6.2	500	500	473	474	93	94	75-125	0	20	
Hardness, Total(SM 2340B)	ug/L	34100	33100	33100	66800	65500	99	95	75-125	2	20	
Molybdenum	ug/L	ND	500	500	464	468	93	94	75-125	1	20	
Nickel	ug/L	6.8	500	500	460	461	91	91	75-125	0	20	
Selenium	ug/L	ND	500	500	453	456	91	91	75-125	1	20	
Silver	ug/L	2.1J	250	250	235	236	93	94	75-125	1	20	
Vanadium	ug/L	ND	500	500	463	465	92	93	75-125	0	20	
Zinc	ug/L	5.5J	500	500	455	458	90	90	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

QC Batch: 919050
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780473001

METHOD BLANK: 4722979 Matrix: Water
Associated Lab Samples: 92780473001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Cobalt	ug/L	ND	1.0	0.14	03/11/25 23:05	
Iron	ug/L	19.3J	20.0	3.0	03/11/25 23:05	
Lead	ug/L	ND	1.0	0.18	03/11/25 23:05	
Lithium	ug/L	ND	2.5	0.33	03/11/25 23:05	
Manganese	ug/L	ND	2.0	0.24	03/11/25 23:05	
Potassium	ug/L	20.4J	100	18.0	03/11/25 23:05	
Sodium	ug/L	21.9J	250	14.4	03/11/25 23:05	
Thallium	ug/L	ND	0.20	0.028	03/11/25 23:05	
Tin	ug/L	ND	1.0	0.14	03/11/25 23:05	

LABORATORY CONTROL SAMPLE: 4722980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cobalt	ug/L	50	53.8	108	80-120	
Iron	ug/L	1250	1350	108	80-120	
Lead	ug/L	50	53.3	107	80-120	
Lithium	ug/L	50	52.7	105	80-120	
Manganese	ug/L	50	53.9	108	80-120	
Potassium	ug/L	2500	2590	104	80-120	
Sodium	ug/L	2500	2630	105	80-120	
Thallium	ug/L	25	26.4	106	80-120	
Tin	ug/L	50	52.4	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4722981 4722982

Parameter	Units	92777579004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	0.19J	50	50	50.0	50.8	100	101	75-125	2	20	
Iron	ug/L	39.1	1250	1250	1320	1370	103	106	75-125	4	20	
Lead	ug/L	ND	50	50	51.1	54.2	102	108	75-125	6	20	
Lithium	ug/L	7.7	50	50	56.1	56.5	97	97	75-125	1	20	
Manganese	ug/L	51.2	50	50	99.6	105	97	108	75-125	6	20	
Potassium	ug/L	1950	2500	2500	4420	4490	99	102	75-125	2	20	
Sodium	ug/L	25100	2500	2500	26200	28500	45	136	75-125	8	20	M1
Thallium	ug/L	ND	25	25	25.3	26.2	101	105	75-125	3	20	
Tin	ug/L	ND	50	50	50.5	51.1	101	102	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4722983 4722984

Parameter	Units	92780474002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	3.5J	50	50	53.6	50.4	100	94	75-125	6	20	
Iron	ug/L	ND	1250	1250	1330	1790	106	143	75-125	30	20	M1,R1
Lead	ug/L	ND	50	50	50.7	47.4	101	94	75-125	7	20	
Lithium	ug/L	7.8J	50	50	58.3	54.7	101	94	75-125	6	20	
Manganese	ug/L	73.2	50	50	123	117	99	88	75-125	5	20	
Potassium	ug/L	6420	2500	2500	8870	9550	98	125	75-125	7	20	
Sodium	ug/L	25500	2500	2500	27400	28100	78	107	75-125	3	20	
Thallium	ug/L	ND	25	25	25.1	23.6	100	94	75-125	6	20	
Tin	ug/L	ND	50	50	49.9	66.8	100	134	75-125	29	20	M1,R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4722985 4722986

Parameter	Units	92780477002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	ND	50	50	54.7	52.2	109	104	75-125	5	20	
Iron	ug/L	2590	1250	1250	4180	3970	127	110	75-125	5	20	M1
Lead	ug/L	ND	50	50	52.6	50.6	105	100	75-125	4	20	
Lithium	ug/L	12.2J	50	50	67.5	64.2	111	104	75-125	5	20	
Manganese	ug/L	81.2	50	50	143	137	123	111	75-125	4	20	
Potassium	ug/L	5300	2500	2500	8140	8050	114	110	75-125	1	20	
Sodium	ug/L	1790	2500	2500	4530	4500	110	108	75-125	1	20	
Thallium	ug/L	ND	25	25	25.3	24.9	101	99	75-125	2	20	
Tin	ug/L	ND	50	50	52.0	50.0	104	100	75-125	4	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

QC Batch: 2458259
QC Batch Method: SW-846 9066
Analysis Method: EPA 9066
Analysis Description: Wet Chemistry 9066
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92780473001

METHOD BLANK: R4180422-1 Matrix: Water
Associated Lab Samples: 92780473001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phenolics, Total Recoverable	mg/L	ND	0.0400	0.0115	02/26/25 13:38	

LABORATORY CONTROL SAMPLE: R4180422-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	mg/L	1.00	1.03	103	90.0-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4180422-3 R4180422-4

Parameter	Units	L1828804-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phenolics, Total Recoverable	mg/L	ND	1.00	1.00	1.01	1.00	101	100	90.0-110	0.995	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4180422-5 R4180422-6

Parameter	Units	L1829575-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phenolics, Total Recoverable	mg/L	ND	1.00	1.00	0.952	0.957	95.2	95.7	90.0-110	0.524	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

QC Batch: 917867
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780473001

METHOD BLANK: 4717697 Matrix: Water
Associated Lab Samples: 92780473001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/26/25 16:16	

LABORATORY CONTROL SAMPLE: 4717698

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	232	93	80-120	

SAMPLE DUPLICATE: 4717934

Parameter	Units	92780474002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	196	202	3	25	

SAMPLE DUPLICATE: 4717935

Parameter	Units	92780477002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	250	258	3	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

QC Batch: 917412
QC Batch Method: EPA 9056A
Analysis Method: EPA 9056A
Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780473001

METHOD BLANK: 4715155 Matrix: Water
Associated Lab Samples: 92780473001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/20/25 12:49	
Fluoride	mg/L	ND	0.10	0.050	02/20/25 12:49	
Sulfate	mg/L	ND	1.0	0.50	02/20/25 12:49	

LABORATORY CONTROL SAMPLE: 4715156

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.9	102	90-110	
Fluoride	mg/L	2.5	2.5	100	90-110	
Sulfate	mg/L	50	50.6	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4715157 4715158

Parameter	Units	92780474005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	76.7	50	50	104	104	54	54	90-110	0	10	M1
Fluoride	mg/L	0.059J	2.5	2.5	2.6	2.6	102	102	90-110	1	10	
Sulfate	mg/L	41.5	50	50	90.1	90.8	97	99	90-110	1	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

QC Batch: 918412
QC Batch Method: EPA 9060A
Analysis Method: EPA 9060A
Analysis Description: 9060 TOC, AVL
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780473001

METHOD BLANK: 4720116 Matrix: Water
Associated Lab Samples: 92780473001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 02:02	
Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 02:02	
Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 02:02	
Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 02:02	
Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 02:02	

LABORATORY CONTROL SAMPLE: 4720117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	25	24.2	97	75-125	
Total Organic Carbon	mg/L	25	24.1	96	75-125	
Total Organic Carbon	mg/L	25	24.3	97	75-125	
Total Organic Carbon	mg/L	25	24.1	96	75-125	
Total Organic Carbon	mg/L	25	24.2	97	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4720118 4720119

Parameter	Units	92780474002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/L	ND	25	25	24.7	24.8	98	99	75-125	0	25	
Total Organic Carbon	mg/L	ND	25	25	24.7	24.8	98	98	75-125	1	25	
Total Organic Carbon	mg/L	ND	25	25	24.6	24.6	98	98	75-125	0	25	
Total Organic Carbon	mg/L	ND	25	25	24.7	25.0	98	100	75-125	1	25	
Total Organic Carbon	mg/L	ND	25	25	24.8	24.8	99	99	75-125	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4720120 4720121

Parameter	Units	92780477002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/L	6.3	25	25	31.0	31.0	99	99	75-125	0	25	
Total Organic Carbon	mg/L	6.2	25	25	30.8	30.9	98	99	75-125	0	25	
Total Organic Carbon	mg/L	6.4	25	25	31.1	31.0	99	99	75-125	0	25	
Total Organic Carbon	mg/L	6.2	25	25	31.0	30.8	99	98	75-125	1	25	
Total Organic Carbon	mg/L	6.4	25	25	31.0	31.3	99	100	75-125	1	25	

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALIFIERS

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1	Analysis conducted outside the EPA method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PPPS_1SA2025_CCR_GrpC
Pace Project No.: 92780473

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92780473001	**021825NSD1611D**	EPA 7199	917201		
92780473001	**021825NSD1611D**	EPA 3010A	917950	EPA 6010D	917964
92780473001	**021825NSD1611D**	EPA 3010A	919050	EPA 6020B	919146
92780473001	**021825NSD1611D**	EPA 7470A	917873	EPA 7470A	918003
92780473001	**021825NSD1611D**	SW-846 9066	2458259	EPA 9066	2458259
92780473001	**021825NSD1611D**	SM 2540C-2015	917867		
92780473001	**021825NSD1611D**	EPA 9056A	917412		
92780473001	**021825NSD1611D**	EPA 9060A	918412		

Pace | **Receipt**
Effective Date: 5/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Dominion Energy

Proje WO# : 92780473

92780473

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other: ☒ Client

Carrier Tracking Number:

Custody Seal Present? ☒ Yes ☐ No **Seals Intact?** ☒ Yes ☐ No **Date/Initials Person Examining Contents:** AV 2/19

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other **Biological Tissue Frozen?** ☐ Yes ☐ No ☒ N/A

Thermometer: ☒ IR Gun ID: 92T082 **Type of Ice:** ☒ Wet ☐ Blue ☐ None

Cooler Temp (°C): 2.3 **Correction Factor:** Add / Subtract (°C) 0

Corrected Cooler Temp (°C): 2.3

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling proce has begun

USDA Regulated Soil (☒ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☒ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

				Comments/Discrepancy:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☒ Yes	☐ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☐ No	☒ N/A	4.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☒ N/A	8.
Sample Labels Match COC?	☒ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☒ No	☐ N/A	10.
Trip Blank Present?	☐ Yes	☒ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☒ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

Temp Log: Temp must be maintained at ≤6 C during login, record temp every 20 minutes.
Time opened: 1055 Temp: 2.3
Time: 1055 put in cooler 2.3
Time: Temp:

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: Date/Time:

Project Manager SCURF Review: **Date:**

Project Manager SRF Review: **Date:**

Qualtrax Document ID: 70677

Pace

Receipt

Effective Date: 5/24/2024

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

*****Check all unpreserved Nitrates for chlorine**

Project #

WO#: 92780473

PM: SK **Due Date: 03/05/25**

CLIENT: 92-DomEnergy

Laboratory receiving samples:

Asheville ☐ **Eden** ☐ **Greenwood** ☐ **Huntersville** ☐ **Raleigh** ☐ **Mechanicsville** ☐ **Atlanta** ☐ **Kernersville** ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)	537/IV	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																													
1		1	1			1 ✓								2 ✓					3					2	1			
2																													
3																													
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10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers)

COC ID: PPPS-1SA2025-CCR/VSWMR-Group C-1-1

Pace® Location Requested (City/State): Pace Analytical Kernersville, NC
[redacted] Park Dr., Kernersville, NC 27284

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: [redacted]gy_VA
Street Address: [redacted]treet
[redacted] 23219

Customer Project #:
Project Name: PPPS_1SA2025_CCR_GrpC
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Kelly Hicks
Phone #: (804)273-4903
E-Mail: kelly.a.hicks@dominionenergy.com
Cc E-Mail:
Invoice To: Kelly Hicks
Invoice E-Mail: kelly.a.hicks@dominionenergy.com
Purchase Order # (if applicable): 50149081
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): Virginia

Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other ____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **
Identify Container Preservative Type***
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: **Stephanie Knott**
AcctNum / Client ID:
Table #:
Profile / Template: **13861**
Prelog / Bottle Ord. ID: **EZ 3222683**

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	6010/6020/7470 Metals	7199 Chromium, Hexavalent	9056 IC anions - Cl/Fl/SO4	Phenol by 9066 - PN	RADS 226/228 - PN	Total Organic Carbon,Asheville	Sample Comment	Preservation non-conformance identified for sample.
0218 25NSD1611D	WT	G			2/18/25	1725	11			X	X	X	X	X	X	X	-All samples preserved on ice -Level II data package requested -Tracking ID's: 772123703306 772133703247 ~~772133703247~~ MK 77212370 ~~3270~~ 3270 772123703269 ~~772123783258~~ MK 772123783280 772123783291 772123783306 772123783258	

Additional Instructions from Pace®:

Collected By: (Printed Name) K.Wood ~~[illegible]~~
Signature: [signature]

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C) | Corrected Temp. (°C) | On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature]	2/18/25 @1915	[signature] AV	2/19 1044

Tracking Number: 772123783340; 77212378337

Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

EPA method 7199 - Hexavalent Chromium pH Adjustment

HBN	917201
Analyst Initials	VJM
pH Meter	~~pH~~ 92pH6

Batch # 65683

WO# 92780474, 92780477, 92780475, 92780476

Lab Sample ID	Volume of Adjusted Sample (mL)	Initial pH	2/19/25 Date/Time Adjusted	Final pH	Volume of Adjustment Buffer (mL)	Volume of NaOH (mL)	Adjustment Buffer Standard ID	NaOH Standard ID	Comments
92780473 80473001	10mL	5.7	2/19/25 12:28	9.0	.050 mics		309471		
92780474 80474001	10mL	6.2	2/19/25 12:10	9.1	.050mics				
RQS 80474002	10mL	5.0	2/19/25 12:42	9.0	.060mics				
ms 80474002	10mL	4.7	2/19/25 12:42	9.0	.060mics				
msd 80474002	10mL	4.6	2/19/25 12:45	9.0	.060mics				
~~80474003~~	~~10 mics~~	~~5.2~~	~~2/19/25~~						
(10mL) 80474004	10mL	4.1	2/19/25 12:15	9.0	.110mics				
80474005	10mL	5.4	2/19/25 12:20	9.0	.090mics				
80474006	10mL	6.2	2/19/25 12:00	4.3	.050mics				
92780475 80475001	10mL	6.0	2/19/25 12:04	9.2	.050 mics				
92780476 80476001	10mL	5.6	2/19/25 12:08	9.0	.050mics				
92780477 80477001	10mL	5.4	2/19/25 12:09	9.2	.050 mics				
RQS 80477002	10mL	6.1	2/19/25 12:09	9.0	.060 mics				
ms 80477002	10mL	6.3	2/19/25 12:09	9.0	.050mics				
msd 80477002	10mL	6.5	2/19/25 12:10	9.0	.050mics				
80477003	10mL	5.4	2/19/25 12:26	9.0	.050mics				
80474003	10mL	5.2	2/19/25 12:24	9.0	.060mics				

ANALYTICAL REPORT

March 14, 2025

Pace Analytical - Kernersville, NC

Sample Delivery Group:	L1829561
Samples Received:	02/25/2025
Project Number:	92780473
Description:	PPS_1SA2025_CCR_GrpC
Site:	001
Report To:	Stephanie Knott 1377 S Park Dr Kernersville, NC 27284

Entire Report Reviewed By:

Brigit Gillespie

Project Manager

TABLE OF CONTENTS

	Collected by	Collected date/time	Received date/time
021825NSD1611D L1829561-01 Non-Potable Water		02/18/25 17:25	02/25/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2460191	1	02/28/25 14:00	03/10/25 20:42	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2460391	1	03/05/25 12:12	03/11/25 18:53	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2460191	1	02/28/25 14:00	03/11/25 18:53	DDD	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brigit Gillespie
Project Manager

Radiochemistry by Method 903.0/9315

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
Radium-226	0.167	J	0.193	0.329	0.320	0.124	03/10/2025 20:42	WG2460191
(T) Barium	*104*					*30.0-143*	*03/10/2025 20:42*	WG2460191

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.26		0.576	1.06	1.02	0.534	03/11/2025 18:53	WG2460391
(T) Barium	*108*					*30.0-143*	*03/11/2025 18:53*	WG2460391
(T) Yttrium	*91.3*					*30.0-136*	*03/11/2025 18:53*	WG2460391

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.42		0.607	1.07	03/11/2025 18:53	WG2460191

Method Blank (MB)

(MB) R4183157-1 03/06/25 00:33

Analyte	MB Result	MB Qualifier	MB 2 sigma CE	MB MDA	MB Lc
	pCi/l		+ / -	pCi/l	pCi/l
Radium-226	0.0642	U	0.151	0.287	0.112
(T) Barium	*98.2*		*98.2*		

L1829617-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1829617-01 03/06/25 01:34 • (DUP) R4183157-5 03/06/25 01:34

Analyte	Original Result	Original 2 sigma CE	Original MDA	Original Lc	DUP Result	DUP 2 sigma CE	DUP MDA	DUP Lc	DUP RPD	DUP RER	DUP Qualifier	DUP RPD Limits	DUP RER Limit
	pCi/l	+ / -	pCi/l	pCi/l	pCi/l	+ / -	pCi/l	pCi/l	%			%	
Radium-226	0.210	0.246	0.401	0.138	0.000	0.516	1.12	0.435	200	0.366	U	20	3
(T) Barium	*100*				*109*	*109*							

Laboratory Control Sample (LCS)

(LCS) R4183157-2 03/06/25 00:33

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	pCi/l	pCi/l	%	%	
Radium-226	5.00	4.82	96.5	80.0-120	
(T) Barium			*107*		

L1829574-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1829574-02 03/06/25 01:34 • (MS) R4183157-3 03/06/25 00:33 • (MSD) R4183157-4 03/06/25 00:33

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	MS RER	RPD Limits
	pCi/l	pCi/l	pCi/l	pCi/l	%	%		%			%		%
Radium-226	20.0	0.463	22.4	20.1	110	98.1	1	75.0-125			11.1		20
(T) Barium		*105*			*110*	*108*							

Method Blank (MB)

(MB) R4185764-1 03/11/25 18:53

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	0.222	J	0.162	0.291	0.154
(T) Barium	*118*		*118*		
(T) Yttrium	*86.2*		*86.2*		

L1829570-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1829570-01 03/11/25 18:53 • (DUP) R4185764-5 03/11/25 18:53

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	0.722	0.386	0.683	0.357	1.32	0.690	1.22	0.637	58.4	0.753		20	3
(T) Barium	*108*				*126*	*126*							
(T) Yttrium	*92.0*				*87.6*	*87.6*							

Laboratory Control Sample (LCS)

(LCS) R4185764-2 03/11/25 18:53

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	4.57	91.3	80.0-120	
(T) Barium			*119*		
(T) Yttrium			*90.4*		

L1829574-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1829574-02 03/11/25 18:53 • (MS) R4185764-3 03/11/25 18:53 • (MSD) R4185764-4 03/11/25 18:53

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	10.0	0.365	9.18	10.1	88.2	97.0	1	70.0-130			9.15		20
(T) Barium		*114*			*124*	*123*							
(T) Yttrium		*91.8*			*88.1*	*88.6*							

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDA	Minimum Detectable Activity.
Rec.	Recovery.
RER	Replicate Error Ratio.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Below Detectable Limits: Indicates that the analyte was not detected.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Internal Transfer Chain of Custody

☐ Rush Multiplier_____X
☐ Samples Pre-Logged into eCOC

State Of Origin: VA
Cert. Needed: ☒ Yes ☐ No

Workorder: 92780473 Workorder Name: PPPS_1SA2025_CCR_GrpC
Owner Received Date: 2/19/2025 Results Requested By: 3/5/2025

Report To
Stephanie Knott
Pace Analytical Kernersville
1377 South Park Drive
Kernersville, NC 27284
Phone 704-977-0981

Subcontract To
Pace National
12065 Lebanon Rd
Mt. Juliet, TN 37122
Phone (615) 758-5858

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HNO3	H2SO4 <2					Requested Analysis: Phenol by 9066	Ra 226/903.0	Ra 228/904.0 + Combined Ra										L1829526 LAB USE ONLY
1	021825NSD1611D	PS	2/18/2025 17:25	92780473001	Water	2	2					X	X	X										-01
2																								
3																								
4																								
5																								

Transfers	Released By	Date/Time	Received By	Date/Time
1	JCe Pace Flu	2-24-25 1120	Ashley Baxter	02/25/2025 0900
2				
3				

Comments

Cooler Temperature on Receipt ______ °C | Custody Seal Y or N (NP) | Received on Ice (Y) or N | Samples Intact (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

Sample Receipt Checklist

COC Seal Present/Intact:	Y N ☒NP	If Applicable	
COC Signed/Accurate:	✓Y N	VOA Zero Headspace:	Y N (struck)
Bottles arrive intact:	☒Y N	Pres. Correct/Check:	✓Y N
Correct bottles used:	✓Y N		
Sufficient volume sent:	✓Y N		
RA Screen <0.5 mR/hr:	✓Y N		

Containers: 4

PH - 10BDH2631
TRC - 4072A72

U8295061

Pace

Ship To:
Pace National
12065 Lebanon Rd
Mt. Juliet, TN 37122
Phone (615) 758-5858

INTER_LABORATORY WORK ORDER # 92780473
(To be completed by sending lab)

Sending Project No:	92780473
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	02/24/25
REQUESTED COMPLETION DATE:	**3/5/2025**

Sending Region	IR92-Charlotte	Sending Project Mgr.	Stephanie Knott
Receiving Region	IR850-Pace National	External Client	Dominion Energy_VA
State of Sample Origin	VA	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Wet Cert. Needed _____

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Phenol by 9066	AG3S		H2SO4	1	SI-21WET	SUB PASI WET
Ra 226/903.0	BP1N		HNO3	1	SI-38RAD	SUB PASI RAD
Ra 228/904.0 + Combined Ra	BP1N		HNO3	1	SI-38RAD02	SUB PASI RAD

Special Requirements: Report D, QC Limits, MDLs (D),Dominion EQEDD (1616),Golder Equis 5 (34)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☐ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

Multiple Parcel Form

L# L#8295161

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
7442 3291 1159	TLA9	2.4	0.4	2.8	Yes / No / Not Present
7442 3291 1160	TLA9	1.5	0.4	1.9	Yes / No / Not Present
7442 3291 1181	TLA9	10.6	0.4	11.0	Yes / No / Not Present
7442 3291 1192	TLA9	2.2	0.4	2.6	Yes / No / Not Present
7442 3291 1207	TLA9	2.5	0.4	2.9	Yes / No / Not Present
7442 3291 1218	TLA9	0.3	0.4	0.7	Yes / No / Not Present
7442 3291 1229	TLA9	1.4	0.4	1.7	Yes / No / Not Present
7442 3291 1230	TLA9	1.7	0.4	2.1	Yes / No / Not Present
7442 3291 1240	TLA9	1.5	0.4	1.9	Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Ashley Barton
Name

02/25/2025
Date

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

March 27, 2025

Kelly Hicks
Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219

RE: Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

Dear Kelly Hicks:

Enclosed are the analytical results for sample(s) received by the laboratory on February 19, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte

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

Sincerely,

Stephanie Knott

Stephanie Knott
stephanie.knott@pacelabs.com
704-977-0981
Project Manager

Enclosures

cc: ENV STD DM
Michael Knez, WSP
Rashida Marlowe, Dominion Energy Services, Inc.
Catherine Pezzaro, WSP USA, Inc.
Crystal Shadle, Golder Associates Inc.
Environmental Standards, Inc., Environmental Standards, Inc.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92780476001	**021825NED24R**	Water	02/18/25 13:50	02/19/25 10:48

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92780476001	**021825NED24R**	EPA 7199	VJM	1	PASI-C
		EPA 6010D	MGW	16	PASI-A
		EPA 6020B	DBB1	9	PASI-A
		EPA 7470A	MAB2	1	PASI-A
		EPA 9066	LDT	1	PAN
		SM 2540C-2015	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 9060A	MDW	5	PASI-A

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-C = Pace Analytical Services - Charlotte

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92780476001	**021825NED24R**					
EPA 7199	Chromium, Hexavalent	1.8	ug/L	0.25	02/19/25 17:59	H1
EPA 6010D	Barium	18.0	ug/L	5.0	02/23/25 18:43	
EPA 6010D	Beryllium	0.16J	ug/L	1.0	02/23/25 18:43	
EPA 6010D	Boron	4.8J	ug/L	50.0	02/23/25 18:43	
EPA 6010D	Calcium	2100	ug/L	100	02/23/25 18:43	
EPA 6010D	Chromium	2.1J	ug/L	5.0	02/23/25 18:43	
EPA 6010D	Copper	1.4J	ug/L	5.0	02/23/25 18:43	
EPA 6010D	Nickel	1.4J	ug/L	5.0	02/23/25 18:43	
EPA 6010D	Hardness, Total(SM 2340B)	8760	ug/L	662	02/23/25 18:43	
EPA 6010D	Zinc	4.2J	ug/L	10.0	02/23/25 18:43	
EPA 6020B	Iron	2690	ug/L	20.0	03/12/25 02:09	
EPA 6020B	Lithium	8.5	ug/L	2.5	03/12/25 02:09	
EPA 6020B	Manganese	65.6	ug/L	2.0	03/12/25 02:09	
EPA 6020B	Potassium	5630	ug/L	100	03/12/25 02:09	
EPA 6020B	Sodium	4580	ug/L	250	03/12/25 02:09	
SM 2540C-2015	Total Dissolved Solids	49.6	mg/L	10.0	02/24/25 15:39	
EPA 9056A	Chloride	2.2	mg/L	1.0	02/21/25 06:45	
EPA 9056A	Sulfate	2.0	mg/L	1.0	02/21/25 06:45	

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

Method: **EPA 7199**
Description: 7199 Chromium, Hexavalent
Client: Dominion Energy_VA
Date: March 27, 2025

General Information:
1 sample was analyzed for EPA 7199 by Pace Analytical Services Charlotte. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.
- 021825NED24R (Lab ID: 92780476001)

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 917201

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92780474002,92780477002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- MS (Lab ID: 4713642)
  - Chromium, Hexavalent
- MS (Lab ID: 4713644)
  - Chromium, Hexavalent

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

Method: **EPA 6010D**
Description: 6010 MET ICP
Client: Dominion Energy_VA
Date: March 27, 2025

General Information:
1 sample was analyzed for EPA 6010D by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

Method: **EPA 6020B**
Description: 6020 MET ICPMS
Client: Dominion Energy_VA
Date: March 27, 2025

General Information:
1 sample was analyzed for EPA 6020B by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 919050

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s):
92777579004,92780474002,92780477002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4722981)
  - Sodium
- MS (Lab ID: 4722985)
  - Iron
- MSD (Lab ID: 4722982)
  - Sodium
- MSD (Lab ID: 4722984)
  - Iron
  - Tin

R1: RPD value was outside control limits.

- MSD (Lab ID: 4722984)

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

Method: **EPA 6020B**
Description: 6020 MET ICPMS
Client: Dominion Energy_VA
Date: March 27, 2025

QC Batch: 919050

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92777579004,92780474002,92780477002

R1: RPD value was outside control limits.

- Iron
- Tin

Additional Comments:

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

Method: **EPA 7470A**
Description: 7470 Mercury
Client: Dominion Energy_VA
Date: March 27, 2025

General Information:
1 sample was analyzed for EPA 7470A by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

Method: **EPA 9066**
Description: Wet Chemistry 9066
Client: Dominion Energy_VA
Date: March 27, 2025

General Information:
1 sample was analyzed for EPA 9066 by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

Method: **SM 2540C-2015**
Description: 2540C Total Dissolved Solids
Client: Dominion Energy_VA
Date: March 27, 2025

General Information:
1 sample was analyzed for SM 2540C-2015 by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

Method: **EPA 9056A**
Description: 9056 IC anions 28 Days
Client: Dominion Energy_VA
Date: March 27, 2025

General Information:
1 sample was analyzed for EPA 9056A by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 917605

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92780474002,92780477002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4716296)
  - Chloride
- MSD (Lab ID: 4716297)
  - Chloride
  - Fluoride
- MSD (Lab ID: 4716299)
  - Fluoride

Additional Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

Method: **EPA 9060A**
Description: Total Organic Carbon,Asheville
Client: Dominion Energy_VA
Date: March 27, 2025

General Information:
1 sample was analyzed for EPA 9060A by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

Sample: 021825NED24R **Lab ID: 92780476001** Collected: 02/18/25 13:50 Received: 02/19/25 10:48 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	**1.8**	ug/L	0.25	0.043	10		02/19/25 17:59	18540-29-9	H1
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony	ND	ug/L	5.0	3.6	1	02/22/25 15:20	02/23/25 18:43	7440-36-0	
Arsenic	ND	ug/L	10.0	2.5	1	02/22/25 15:20	02/23/25 18:43	7440-38-2	
Barium	**18.0**	ug/L	5.0	0.79	1	02/22/25 15:20	02/23/25 18:43	7440-39-3	
Beryllium	**0.16J**	ug/L	1.0	0.16	1	02/22/25 15:20	02/23/25 18:43	7440-41-7	
Boron	**4.8J**	ug/L	50.0	4.0	1	02/22/25 15:20	02/23/25 18:43	7440-42-8	
Cadmium	ND	ug/L	1.0	0.29	1	02/22/25 15:20	02/23/25 18:43	7440-43-9	
Calcium	**2100**	ug/L	100	14.7	1	02/22/25 15:20	02/23/25 18:43	7440-70-2	
Chromium	**2.1J**	ug/L	5.0	0.63	1	02/22/25 15:20	02/23/25 18:43	7440-47-3	
Copper	**1.4J**	ug/L	5.0	0.62	1	02/22/25 15:20	02/23/25 18:43	7440-50-8	
Molybdenum	ND	ug/L	5.0	2.6	1	02/22/25 15:20	02/23/25 18:43	7439-98-7	
Nickel	**1.4J**	ug/L	5.0	0.88	1	02/22/25 15:20	02/23/25 18:43	7440-02-0	
Selenium	ND	ug/L	10.0	4.1	1	02/22/25 15:20	02/23/25 18:43	7782-49-2	
Silver	ND	ug/L	5.0	0.49	1	02/22/25 15:20	02/23/25 18:43	7440-22-4	
Hardness, Total(SM 2340B)	**8760**	ug/L	662	36.8	1	02/22/25 15:20	02/23/25 18:43		
Vanadium	ND	ug/L	5.0	1.6	1	02/22/25 15:20	02/23/25 18:43	7440-62-2	
Zinc	**4.2J**	ug/L	10.0	3.0	1	02/22/25 15:20	02/23/25 18:43	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Cobalt	ND	ug/L	1.0	0.14	1	02/27/25 15:55	03/12/25 02:09	7440-48-4	
Iron	**2690**	ug/L	20.0	3.0	1	02/27/25 15:55	03/12/25 02:09	7439-89-6	
Lead	ND	ug/L	1.0	0.18	1	02/27/25 15:55	03/12/25 02:09	7439-92-1	
Lithium	**8.5**	ug/L	2.5	0.33	1	02/27/25 15:55	03/12/25 02:09	7439-93-2	
Manganese	**65.6**	ug/L	2.0	0.24	1	02/27/25 15:55	03/12/25 02:09	7439-96-5	
Potassium	**5630**	ug/L	100	18.0	1	02/27/25 15:55	03/12/25 02:09	7440-09-7	
Sodium	**4580**	ug/L	250	14.4	1	02/27/25 15:55	03/12/25 02:09	7440-23-5	
Thallium	ND	ug/L	0.20	0.028	1	02/27/25 15:55	03/12/25 02:09	7440-28-0	
Tin	ND	ug/L	1.0	0.14	1	02/27/25 15:55	03/12/25 02:09	7440-31-5	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	0.12	1	02/22/25 19:50	02/24/25 13:12	7439-97-6	
Wet Chemistry 9066	Analytical Method: EPA 9066 Preparation Method: SW-846 9066 Pace National - Mt. Juliet								
Phenolics, Total Recoverable	ND	mg/L	0.0400	0.0115	1	02/26/25 07:29	02/26/25 13:50	64743-03-9	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**49.6**	mg/L	10.0	10.0	1		02/24/25 15:39		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

Sample: 021825NED24R **Lab ID: 92780476001** Collected: 02/18/25 13:50 Received: 02/19/25 10:48 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**2.2**	mg/L	1.0	0.60	1		02/21/25 06:45	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/25 06:45	16984-48-8	
Sulfate	**2.0**	mg/L	1.0	0.50	1		02/21/25 06:45	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 07:20	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 07:20	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 07:20	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 07:20	7440-44-0	
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 07:20	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

QC Batch: 917201
QC Batch Method: EPA 7199
Analysis Method: EPA 7199
Analysis Description: 7199 Chromium, Hexavalent
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92780476001

METHOD BLANK: 4713639 Matrix: Water
Associated Lab Samples: 92780476001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chromium, Hexavalent	ug/L	ND	0.025	0.0043	02/19/25 11:03	

LABORATORY CONTROL SAMPLE: 4713640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	ug/L	0.1	0.11	106	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4713642 4713643

Parameter	Units	92780477002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	ug/L	0.012J	0.1	0.1	0.12	0.12	111	104	90-110	6	20	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4713644 4713645

Parameter	Units	92780474002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	ug/L	0.44	0.1	0.1	0.58	0.54	140	105	90-110	6	20	M1

SAMPLE DUPLICATE: 4713641

Parameter	Units	92780474004 Result	Dup Result	RPD	Max RPD	Qualifiers
Chromium, Hexavalent	ug/L	0.32	0.29	10	20	H1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

QC Batch: 917873
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780476001

METHOD BLANK: 4717713 Matrix: Water
Associated Lab Samples: 92780476001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.12	02/24/25 12:43	

LABORATORY CONTROL SAMPLE: 4717714

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.5	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4717717 4717718

Parameter	Units	92780474002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.6	2.5	102	101	75-125	1	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

QC Batch: 917950
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92780476001

METHOD BLANK: 4717941 Matrix: Water
Associated Lab Samples: 92780476001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	3.6	02/23/25 18:24	
Arsenic	ug/L	ND	10.0	2.5	02/23/25 18:24	
Barium	ug/L	ND	5.0	0.79	02/23/25 18:24	
Beryllium	ug/L	ND	1.0	0.16	02/23/25 18:24	
Boron	ug/L	ND	50.0	4.0	02/23/25 18:24	
Cadmium	ug/L	ND	1.0	0.29	02/23/25 18:24	
Calcium	ug/L	ND	100	14.7	02/23/25 18:24	
Chromium	ug/L	ND	5.0	0.63	02/23/25 18:24	
Copper	ug/L	ND	5.0	0.62	02/23/25 18:24	
Hardness, Total(SM 2340B)	ug/L	ND	662	36.8	02/23/25 18:24	
Molybdenum	ug/L	ND	5.0	2.6	02/23/25 18:24	
Nickel	ug/L	ND	5.0	0.88	02/23/25 18:24	
Selenium	ug/L	ND	10.0	4.1	02/23/25 18:24	
Silver	ug/L	ND	5.0	0.49	02/23/25 18:24	
Vanadium	ug/L	ND	5.0	1.6	02/23/25 18:24	
Zinc	ug/L	ND	10.0	3.0	02/23/25 18:24	

LABORATORY CONTROL SAMPLE: 4717942

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	451	90	80-120	
Arsenic	ug/L	500	444	89	80-120	
Barium	ug/L	500	457	91	80-120	
Beryllium	ug/L	500	451	90	80-120	
Boron	ug/L	500	453	91	80-120	
Cadmium	ug/L	500	445	89	80-120	
Calcium	ug/L	5000	4470	89	80-120	
Chromium	ug/L	500	453	91	80-120	
Copper	ug/L	500	461	92	80-120	
Hardness, Total(SM 2340B)	ug/L	33100	29300	89	80-120	
Molybdenum	ug/L	500	459	92	80-120	
Nickel	ug/L	500	448	90	80-120	
Selenium	ug/L	500	428	86	80-120	
Silver	ug/L	250	226	90	80-120	
Vanadium	ug/L	500	454	91	80-120	
Zinc	ug/L	500	444	89	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4717943 4717944

Parameter	Units	92780713003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	469	472	94	94	75-125	1	20	
Arsenic	ug/L	ND	500	500	458	459	92	92	75-125	0	20	
Barium	ug/L	48.8	500	500	514	510	93	92	75-125	1	20	
Beryllium	ug/L	0.65J	500	500	463	468	92	93	75-125	1	20	
Boron	ug/L	ND	500	500	470	474	93	94	75-125	1	20	
Cadmium	ug/L	ND	500	500	450	453	90	91	75-125	1	20	
Calcium	ug/L	6790	5000	5000	11600	11400	97	92	75-125	2	20	
Chromium	ug/L	1.6J	500	500	456	461	91	92	75-125	1	20	
Copper	ug/L	6.2	500	500	473	474	93	94	75-125	0	20	
Hardness, Total(SM 2340B)	ug/L	34100	33100	33100	66800	65500	99	95	75-125	2	20	
Molybdenum	ug/L	ND	500	500	464	468	93	94	75-125	1	20	
Nickel	ug/L	6.8	500	500	460	461	91	91	75-125	0	20	
Selenium	ug/L	ND	500	500	453	456	91	91	75-125	1	20	
Silver	ug/L	2.1J	250	250	235	236	93	94	75-125	1	20	
Vanadium	ug/L	ND	500	500	463	465	92	93	75-125	0	20	
Zinc	ug/L	5.5J	500	500	455	458	90	90	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

QC Batch: 919050
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780476001

METHOD BLANK: 4722979 Matrix: Water
Associated Lab Samples: 92780476001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Cobalt	ug/L	ND	1.0	0.14	03/11/25 23:05	
Iron	ug/L	19.3J	20.0	3.0	03/11/25 23:05	
Lead	ug/L	ND	1.0	0.18	03/11/25 23:05	
Lithium	ug/L	ND	2.5	0.33	03/11/25 23:05	
Manganese	ug/L	ND	2.0	0.24	03/11/25 23:05	
Potassium	ug/L	20.4J	100	18.0	03/11/25 23:05	
Sodium	ug/L	21.9J	250	14.4	03/11/25 23:05	
Thallium	ug/L	ND	0.20	0.028	03/11/25 23:05	
Tin	ug/L	ND	1.0	0.14	03/11/25 23:05	

LABORATORY CONTROL SAMPLE: 4722980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cobalt	ug/L	50	53.8	108	80-120	
Iron	ug/L	1250	1350	108	80-120	
Lead	ug/L	50	53.3	107	80-120	
Lithium	ug/L	50	52.7	105	80-120	
Manganese	ug/L	50	53.9	108	80-120	
Potassium	ug/L	2500	2590	104	80-120	
Sodium	ug/L	2500	2630	105	80-120	
Thallium	ug/L	25	26.4	106	80-120	
Tin	ug/L	50	52.4	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4722981 4722982

Parameter	Units	92777579004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	0.19J	50	50	50.0	50.8	100	101	75-125	2	20	
Iron	ug/L	39.1	1250	1250	1320	1370	103	106	75-125	4	20	
Lead	ug/L	ND	50	50	51.1	54.2	102	108	75-125	6	20	
Lithium	ug/L	7.7	50	50	56.1	56.5	97	97	75-125	1	20	
Manganese	ug/L	51.2	50	50	99.6	105	97	108	75-125	6	20	
Potassium	ug/L	1950	2500	2500	4420	4490	99	102	75-125	2	20	
Sodium	ug/L	25100	2500	2500	26200	28500	45	136	75-125	8	20	M1
Thallium	ug/L	ND	25	25	25.3	26.2	101	105	75-125	3	20	
Tin	ug/L	ND	50	50	50.5	51.1	101	102	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4722983 4722984

Parameter	Units	92780474002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	3.5J	50	50	53.6	50.4	100	94	75-125	6	20	
Iron	ug/L	ND	1250	1250	1330	1790	106	143	75-125	30	20	M1,R1
Lead	ug/L	ND	50	50	50.7	47.4	101	94	75-125	7	20	
Lithium	ug/L	7.8J	50	50	58.3	54.7	101	94	75-125	6	20	
Manganese	ug/L	73.2	50	50	123	117	99	88	75-125	5	20	
Potassium	ug/L	6420	2500	2500	8870	9550	98	125	75-125	7	20	
Sodium	ug/L	25500	2500	2500	27400	28100	78	107	75-125	3	20	
Thallium	ug/L	ND	25	25	25.1	23.6	100	94	75-125	6	20	
Tin	ug/L	ND	50	50	49.9	66.8	100	134	75-125	29	20	M1,R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4722985 4722986

Parameter	Units	92780477002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	ND	50	50	54.7	52.2	109	104	75-125	5	20	
Iron	ug/L	2590	1250	1250	4180	3970	127	110	75-125	5	20	M1
Lead	ug/L	ND	50	50	52.6	50.6	105	100	75-125	4	20	
Lithium	ug/L	12.2J	50	50	67.5	64.2	111	104	75-125	5	20	
Manganese	ug/L	81.2	50	50	143	137	123	111	75-125	4	20	
Potassium	ug/L	5300	2500	2500	8140	8050	114	110	75-125	1	20	
Sodium	ug/L	1790	2500	2500	4530	4500	110	108	75-125	1	20	
Thallium	ug/L	ND	25	25	25.3	24.9	101	99	75-125	2	20	
Tin	ug/L	ND	50	50	52.0	50.0	104	100	75-125	4	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

QC Batch: 2458259
QC Batch Method: SW-846 9066
Analysis Method: EPA 9066
Analysis Description: Wet Chemistry 9066
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92780476001

METHOD BLANK: R4180422-1 Matrix: Water
Associated Lab Samples: 92780476001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phenolics, Total Recoverable	mg/L	ND	0.0400	0.0115	02/26/25 13:38	

LABORATORY CONTROL SAMPLE: R4180422-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	mg/L	1.00	1.03	103	90.0-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4180422-3 R4180422-4

Parameter	Units	L1828804-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phenolics, Total Recoverable	mg/L	ND	1.00	1.00	1.01	1.00	101	100	90.0-110	0.995	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4180422-5 R4180422-6

Parameter	Units	L1829575-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phenolics, Total Recoverable	mg/L	ND	1.00	1.00	0.952	0.957	95.2	95.7	90.0-110	0.524	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

QC Batch: 917867
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780476001

METHOD BLANK: 4717697 Matrix: Water
Associated Lab Samples: 92780476001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/26/25 16:16	

LABORATORY CONTROL SAMPLE: 4717698

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	232	93	80-120	

SAMPLE DUPLICATE: 4717934

Parameter	Units	92780474002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	196	202	3	25	

SAMPLE DUPLICATE: 4717935

Parameter	Units	92780477002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	250	258	3	25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

QC Batch: 917605
QC Batch Method: EPA 9056A
Analysis Method: EPA 9056A
Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780476001

METHOD BLANK: 4716294 Matrix: Water
Associated Lab Samples: 92780476001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/20/25 22:34	
Fluoride	mg/L	ND	0.10	0.050	02/20/25 22:34	
Sulfate	mg/L	ND	1.0	0.50	02/20/25 22:34	

LABORATORY CONTROL SAMPLE: 4716295

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	50.6	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4716296 4716297

Parameter	Units	92780474002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	54.9	50	50	84.5	87.3	59	65	90-110	3	10	M1
Fluoride	mg/L	0.052J	2.5	2.5	2.7	2.9	105	116	90-110	10	10	M1
Sulfate	mg/L	43.2	50	50	94.7	98.0	103	110	90-110	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4716298 4716299

Parameter	Units	92780477002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	45.8	50	50	97.8	99.6	104	108	90-110	2	10	
Fluoride	mg/L	0.42	2.5	2.5	3.0	3.2	104	111	90-110	6	10	M1
Sulfate	mg/L	24.0	50	50	76.8	78.6	106	109	90-110	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

QC Batch: 918412
QC Batch Method: EPA 9060A
Analysis Method: EPA 9060A
Analysis Description: 9060 TOC, AVL
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92780476001

METHOD BLANK: 4720116 Matrix: Water
Associated Lab Samples: 92780476001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 02:02	
Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 02:02	
Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 02:02	
Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 02:02	
Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 02:02	

LABORATORY CONTROL SAMPLE: 4720117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	25	24.2	97	75-125	
Total Organic Carbon	mg/L	25	24.1	96	75-125	
Total Organic Carbon	mg/L	25	24.3	97	75-125	
Total Organic Carbon	mg/L	25	24.1	96	75-125	
Total Organic Carbon	mg/L	25	24.2	97	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4720118 4720119

Parameter	Units	92780474002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/L	ND	25	25	24.7	24.8	98	99	75-125	0	25	
Total Organic Carbon	mg/L	ND	25	25	24.7	24.8	98	98	75-125	1	25	
Total Organic Carbon	mg/L	ND	25	25	24.6	24.6	98	98	75-125	0	25	
Total Organic Carbon	mg/L	ND	25	25	24.7	25.0	98	100	75-125	1	25	
Total Organic Carbon	mg/L	ND	25	25	24.8	24.8	99	99	75-125	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4720120 4720121

Parameter	Units	92780477002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/L	6.3	25	25	31.0	31.0	99	99	75-125	0	25	
Total Organic Carbon	mg/L	6.2	25	25	31.0	30.8	99	98	75-125	1	25	
Total Organic Carbon	mg/L	6.2	25	25	30.8	30.9	98	99	75-125	0	25	
Total Organic Carbon	mg/L	6.4	25	25	31.1	31.0	99	99	75-125	0	25	
Total Organic Carbon	mg/L	6.4	25	25	31.0	31.3	99	100	75-125	1	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1	Analysis conducted outside the EPA method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PPPS_1SA2025_CCR_GrpF
Pace Project No.: 92780476

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92780476001	**021825NED24R**	EPA 7199	917201		
92780476001	**021825NED24R**	EPA 3010A	917950	EPA 6010D	917964
92780476001	**021825NED24R**	EPA 3010A	919050	EPA 6020B	919146
92780476001	**021825NED24R**	EPA 7470A	917873	EPA 7470A	918003
92780476001	**021825NED24R**	SW-846 9066	2458259	EPA 9066	2458259
92780476001	**021825NED24R**	SM 2540C-2015	917867		
92780476001	**021825NED24R**	EPA 9056A	917605		
92780476001	**021825NED24R**	EPA 9060A	918412		

Pace | **Receipt**
Effective Date: 5/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Dominion Energy VA

Project #: WO# : 92780476

92780476

Courier: ☐ Commercial ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Other:____

Carrier Tracking Number: _____

Custody Seal Present? ☑ Yes ☒ No **Seals Intact?** ☑ Yes ☐ No **Date/Initials Person Examining Contents:** 2/20/25

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 92fo83 **Type of Ice:** ☑ Wet ☐ Blue ☐ None

Cooler Temp (°C): 2.3 **Correction Factor:** Add / Subtract (°C) 0

Corrected Cooler Temp (°C): 2.3

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling proce has begun

USDA Regulated Soil (☑ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☑ Yes	☐ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☐ Yes	☑ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☑ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

Temp Log: Temp must be maintained at <6 C during login, record temp every 20 minutes.	
Time opened:	Temp:
Time:	put in cooler
Time:	Temp:

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

Qualtrax Document ID: 70677

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project # WO#: 92780476
PM: SK Due Date: 03/05/25
CLIENT: 92-DomEnergy

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BPIN	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		1								2						3						1			
2																														
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

COC ID: PPPS - 1SA2025 - CCR/USWMR - Group F - 1 - 1

Pace® Location Requested (City/State):
Pace Analytical Kernersville, NC
1377 South Park Dr., Kernersville, NC 27284

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Dominion Energy_VA	Contact/Report To:	Kelly Hicks
Street Address:	120 Tredegar Street Richmond, VA 23219	Phone #:	(804)273-4903
		E-Mail:	kelly.a.hicks@dominionenergy.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	PPPS_1SA2025_CCR_GrpF	Invoice To:	Kelly Hicks
		Invoice E-Mail:	kelly.a.hicks@dominionenergy.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	50149081
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [✓] ET

County / State origin of sample(s): Virginia

Data Deliverables: [✓] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [✓] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	6010/6020/7470 Metals	7199 Chromium, Hexavalent	9056 IC anions - Cl/Fl/SO4	Phenol by 9066 - PN	RADS 226/228 - PN	Total Organic Carbon, Asheville
02 1SA25NED24R	WT	G			2/18/25	1350	11			X	X	X	X	X	X	X

Specify Container Size **

Identify Container Preservative Type***

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Stephanie Knott

AcctNum / Client ID:

Table #:

Profile / Template: 13861

Prelog / Bottle Ord. ID: EZ 3222686

Preservation non-conformance identified for sample

Sample Comment

- All samples preserved on ice
- level II data package requested

Additional Instructions from Pace®:

Collected By: (Printed Name) Michael Knez

Signature: M. Knez

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
	92 to Y3	0	2.3	2.3	Y

	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature) MWSP	2/18/25 @ 1915	Received by/Company: (Signature)	2/19 0948
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [✓] FedEx [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

EPA method 7199 - Hexavalent Chromium pH Adjustment

HBN	917201
Analyst Initials	VJM
pH Meter	~~pH~~ 92pH6

Batch # 65683

WO# 92780474, 92780477, 92780475, 92780476

Lab Sample ID	Volume of Adjusted Sample (mL)	Initial pH	2/19/25 Date/Time Adjusted	Final pH	Volume of Adjustment Buffer (mL)	Volume of NaOH (mL)	Adjustment Buffer Standard ID	NaOH Standard ID	Comments
92780473 80473001	10mL	5.7	2/19/25 12:28	9.0	.050 mics		309471		
92780474 80474001	10mL	6.2	2/19/25 12:10	9.1	.050mics				
RQS 80474002	10mL	5.0	2/19/25 12:42	9.0	.060mics				
ms 80474002	10mL	4.7	2/19/25 12:42	9.0	.060mics				
msd 80474002	10mL	4.6	2/19/25 12:45	9.0	.060mics				
~~80474003~~	~~10 mics~~	~~5.2~~	~~2/19/25~~						
(10mL) 80474004	10mL	4.1	2/19/25 12:15	9.0	.110mics				
80474005	10mL	5.4	2/19/25 12:20	9.0	.090mics				
80474006	10mL	6.2	2/19/25 12:00	4.3	.050mics				
92780475 80475001	10mL	6.0	2/19/25 12:04	9.2	.050 mics				
92780476 80476001	10mL	5.6	2/19/25 12:08	9.0	.050mics				
92780477 80477001	10mL	5.4	2/19/25 12:09	9.2	.050 mics				
RQS 80477002	10mL	6.1	2/19/25 12:09	9.0	.060 mics				
ms 80477002	10mL	6.3	2/19/25 12:09	9.0	.050mics				
msd 80477002	10mL	6.5	2/19/25 12:10	9.0	.050mics				
80477003	10mL	5.4	2/19/25 12:26	9.0	.050mics				
80474003	10mL	5.2	2/19/25 12:24	9.0	.060mics				

ANALYTICAL REPORT

March 14, 2025

Pace Analytical - Kernersville, NC

Sample Delivery Group:	L1829570
Samples Received:	02/25/2025
Project Number:	92780476
Description:	PPS_1SA2025_CCR_GrpF
Site:	001
Report To:	Stephanie Knott 1377 S Park Dr Kernersville, NC 27284

Entire Report Reviewed By: Brigit Gillespie

Brigit Gillespie
Project Manager

TABLE OF CONTENTS

	Collected by	Collected date/time	Received date/time
021825NED24R L1829570-01 Non-Potable Water		02/18/25 13:50	02/25/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2460191	1	02/28/25 14:00	03/10/25 20:42	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2460391	1	03/05/25 12:12	03/11/25 18:53	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2460191	1	02/28/25 14:00	03/11/25 18:53	DDD	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brigit Gillespie
Project Manager

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	0.279		0.192	0.333	0.243	0.0836	03/10/2025 20:42	WG2460191
(T) Barium	*94.4*					*30.0-143*	*03/10/2025 20:42*	WG2460191

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.722		0.386	0.676	0.683	0.357	03/11/2025 18:53	WG2460391
(T) Barium	*108*					*30.0-143*	*03/11/2025 18:53*	WG2460391
(T) Yttrium	*92.0*					*30.0-136*	*03/11/2025 18:53*	WG2460391

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.00		0.431	0.725	03/11/2025 18:53	WG2460191

Method Blank (MB)

(MB) R4183157-1 03/06/25 00:33

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	0.0642	U	0.151	0.287	0.112
(T) Barium	*98.2*		*98.2*		

L1829617-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1829617-01 03/06/25 01:34 • (DUP) R4183157-5 03/06/25 01:34

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	0.210	0.246	0.401	0.138	0.000	0.516	1.12	0.435	200	0.366	U	20	3
(T) Barium	*100*				*109*	*109*							

Laboratory Control Sample (LCS)

(LCS) R4183157-2 03/06/25 00:33

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	4.82	96.5	80.0-120	
(T) Barium			*107*		

L1829574-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1829574-02 03/06/25 01:34 • (MS) R4183157-3 03/06/25 00:33 • (MSD) R4183157-4 03/06/25 00:33

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.463	22.4	20.1	110	98.1	1	75.0-125			11.1		20
(T) Barium		*105*			*110*	*108*							

Method Blank (MB)

(MB) R4185764-1 03/11/25 18:53

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	0.222	J	0.162	0.291	0.154
(T) Barium	*118*		*118*		
(T) Yttrium	*86.2*		*86.2*		

L1829570-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1829570-01 03/11/25 18:53 • (DUP) R4185764-5 03/11/25 18:53

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	0.722	0.386	0.683	0.357	1.32	0.690	1.22	0.637	58.4	0.753		20	3
(T) Barium	*108*				*126*	*126*							
(T) Yttrium	*92.0*				*87.6*	*87.6*							

Laboratory Control Sample (LCS)

(LCS) R4185764-2 03/11/25 18:53

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	4.57	91.3	80.0-120	
(T) Barium			*119*		
(T) Yttrium			*90.4*		

L1829574-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1829574-02 03/11/25 18:53 • (MS) R4185764-3 03/11/25 18:53 • (MSD) R4185764-4 03/11/25 18:53

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	10.0	0.365	9.18	10.1	88.2	97.0	1	70.0-130			9.15		20
(T) Barium		*114*			*124*	*123*							
(T) Yttrium		*91.8*			*88.1*	*88.6*							

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDA	Minimum Detectable Activity.
Rec.	Recovery.
RER	Replicate Error Ratio.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Below Detectable Limits: Indicates that the analyte was not detected.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

C127

Internal Transfer Chain of Custody

☐ Rush Multiplier____X
☐ Samples Pre-Logged into eCOC

State Of Origin: VA
Cert. Needed: ☒ Yes ☐ No

Workorder: 92780476 Workorder Name: PPPS_1SA2025_CCR_GrpF

Owner Received Date: 2/19/2025 Results Requested By: 3/5/2025

Report To	Subcontract To
Stephanie Knott Pace Analytical Kernersville 1377 South Park Drive Kernersville, NC 27284 Phone 704-977-0981	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

						Preserved Containers						Requested Analysis													
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	HNO3	H2SO4					Phenol by 9066	Ra 226/903.0	Ra 228/904.0 + Combined Ra											LAB USE ONLY
1	021825NED24R	PS	2/18/2025 13:50	92780476001	Water	2	2					X	X	X											-01
2																									
3																									
4																									
5																									

Transfers	Released By	Date/Time	Received By	Date/Time
1	Pace FLL	2-24-25 1200	Ashley Fowler	02/25/2025 0900
2				
3				

Comments

Cooler Temperature on Receipt _____°C | Custody Seal Y or N (NP) | Received on Ice (Y) or N | Samples Intact (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

Sample Receipt Checklist

COC Seal Present/Intact:	Y N NP	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RA Screen <0.5 mR/hr:	Y N		

Containers: 4

PH – 10BDH2631
TRC – 4072A72

LF629570

INTER_LABORATORY WORK ORDER # 92780476

(To be completed by sending lab)

Ship To:
Pace National
12065 Lebanon Rd
Mt. Juliet, TN 37122
Phone (615) 758-5858

Sending Project No:	92780476
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	02/24/25
REQUESTED COMPLETION DATE:	**3/5/2025**

Sending Region	IR92-Charlotte	Sending Project Mgr.	Stephanie Knott
Receiving Region	IR850-Pace National	External Client	Dominion Energy_VA
State of Sample Origin	VA	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Wet Cert. Needed _____

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Phenol by 9066	AG3S		H2SO4	1	SI-21WET	SUB PASI WET
Ra 226/903.0	BP1N		HNO3	1	SI-38RAD	SUB PASI RAD
Ra 228/904.0 + Combined Ra	BP1N		HNO3	1	SI-38RAD02	SUB PASI RAD

Special Requirements: Report D, QC Limits, MDLs (D),Dominion EQEDD (1616),Golder Equis 5 (34)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☐ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

Multiple Parcel Form

L# L1829570

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
7442 3291 1159	TLA9	2.4	0.4	2.8	Yes / No / Not Present
7442 3291 1160	TLA9	1.5	0.4	1.9	Yes / No / Not Present
7442 3291 1181	TLA9	10.6	0.4	11.0	Yes / No / Not Present
7442 3291 1192	TLA9	2.2	0.4	2.6	Yes / No / Not Present
7442 3291 1207	TLA9	2.5	0.4	2.9	Yes / No / Not Present
7442 3291 1218	TLA9	0.3	0.4	0.7	Yes / No / Not Present
7442 3291 1229	TLA9	1.4	0.4	1.7	Yes / No / Not Present
7442 3291 1230	TLA9	1.7	0.4	2.1	Yes / No / Not Present
7442 3291 1240	TLA9	1.5	0.4	1.9	Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Ashley Barton
Name

02/25/2025
Date

Multiple Parcel Form L# LR5291617

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
7442 3291 1159	TLA9	2.4	0.4	2.8	Yes / No / Not Present
7442 3291 1160	TLA9	1.5	0.4	1.9	Yes / No / Not Present
7442 3291 1181	TLA9	10.6	0.4	11.0	Yes / No / Not Present
7442 3291 1192	TLA9	2.2	0.4	2.6	Yes / No / Not Present
7442 3291 1207	TLA9	2.5	0.4	2.9	Yes / No / Not Present
7442 3291 1218	TLA9	0.3	0.4	0.7	Yes / No / Not Present
7442 3291 1229	TLA9	1.4	0.4	1.7	Yes / No / Not Present
7442 3291 1230	TLA9	1.7	0.4	2.1	Yes / No / Not Present
7442 3291 1240	TLA9	1.5	0.4	1.9	Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Ashley Barton
Name

02/25/2025
Date

Attachment VIII

Chain-of-Custody Documentation

February 18-20, 2025, Sampling Event

LOC ID: PPPS-1SA2025-CCR/VSWMR- Group B-1-1

Pace® Location Requested (City/State):
Pace Analytical Kernersville, NC
1377 South Park Dr., Kernersville, NC 27284

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Dominion Energy_VA
Street Address: 120 Tredegar Street, Richmond, VA 23219
Contact/Report To: Kelly Hicks
Phone #: (804)273-4903
E-Mail: kelly.a.hicks@dominionenergy.com
Cc E-Mail:
Customer Project #:
Project Name: PPPS_1SA2025_CCR_GrpB
Invoice To: Kelly Hicks
Invoice E-Mail: kelly.a.hicks@dominionenergy.com
Site Collection Info/Facility ID (as applicable):
Purchase Order # (if applicable): 50149081
Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [✓] ET
County / State origin of sample(s): Virginia
Data Deliverables: [✓] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other
DW PWSID # or WW Permit # as applicable:
Date Results Requested:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **
Identify Container Preservative Type***

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Stephanie Knott; AcctNum / Client ID:; Table #:; Profile / Template: 13861; Prelog / Bottle Ord. ID: EZ 3222682

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Analysis Requested: 2540C Total Dissolved Solids; 6010/6020/7470 Metals; 7199 Chromium, Hexavalent; 9056 IC anions - Cl/F/SO4; Phenol by 9066 - PN; RADS 226/228 - PN; Total Organic Carbon, Asheville

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C	6010/6020/7470	7199	9056	Phenol 9066	RADS 226/228	TOC	Sample Comment
0218 25NED1612	WT	G			2/18/25	1515	11			X	X	X	X	X	X	X	-All samples preserved on ice
0218 25NED1D	WT	G			2/18/25	1745	33			X	X	X	X	X	X	X	
0218 25NED9R2	WT	G			2/18/25	1548	11			X	X	X	X	X	X	X	
0218 25NED1605	WT	G			2/18/25	1310	11			X	X	X	X	X	X	X	-Level II data package requested
~~02__25NED1606~~ MK 2/18/25	WT									X	X	X	X	X	X	X	
0218 25NSD1603	WT									X	X	X	X	X	X	X	-MS/MSD taken @ ED-1D; ID's are:
~~02__25NSD1604~~ MK 2/18/25	WT									X	X	X	X	X	X	X	021825 MS, 021825 MSD
~~02__25NDFDDUPLICATE~~ MK 2/18/25	WT									X	X	X	X	X	X	X	
0218 25NDFBBLANK	WT	G			2/18/25	1410	11			X	X	X	X	X	X	X	
~~02__25________MS~~ MK 2/18/25	WT									X	X	X	X	X	X	X	

Additional Instructions from Pace®:

Collected By: (Printed Name) M.Krez/K.Wood/S.Carmouche
Signature: [signatures]

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C) | Corrected Temp. (°C) | On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature] / WSP	2/18/25 @ 1915	[signature]	2/19 1048

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 1 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

COC ID: PPPS-1SA2025-CCR/VSWMR- Group B-1-1

Pace® Location Requested (City/State): Pace Analytical Kernersville, NC, 1377 South Park Dr., Kernersville, NC 27284

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Dominion Energy_VA	Contact/Report To:	Kelly Hicks
Street Address:	120 Tredegar Street Richmond, VA 23219	Phone #:	(804)273-4903
		E-Mail:	kelly.a.hicks@dominionenergy.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	PPPS_1SA2025_CCR_GrpB	Invoice To:	Kelly Hicks
		Invoice E-Mail:	kelly.a.hicks@dominionenergy.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	50149081
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [✓] ET

County / State origin of sample(s): Virginia

Data Deliverables: [✓] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Stephanie Knott; AcctNum / Client ID:; Table #:; Profile / Template: 13861; Prelog / Bottle Ord. ID: EZ 3222682

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	6010/6020/7470 Metals	7199 Chromium, Hexavalent	9056 IC anions - Cl/Fl/SO4	Phenol by 9066 - PN	RADS 226/228 - PN	Total Organic Carbon,Asheville	Sample Comment
02 18 25NED1612	WT	G			2/18/25	1515	11			X	X	X	X	X	X	X	-All samples preserved on ice
02 18 25NED1D	WT	G			2/18/25	1745	33			X	X	X	X	X	X	X	-Level II data package requested
02 18 25NED9R2	WT	G			2/18/25	1548	11			X	X	X	X	X	X	X	-MS/MSD taken @
02 18 25NED1605	WT	G			2/18/25	1310	11			X	X	X	X	X	X	X	ED-ID: ID's are:
~~02 25NED1606 MK 2/18/25~~	WT									X	X	X	X	X	X	X	02/18/25 MS, 02/18/25 MSD
02 18 25NSD1603	WT	G			2/18/2025	1535	11			X	X	X	X	X	X	X	
~~02 25NSD1604 MK 2/18/25~~	WT									X	X	X	X	X	X	X	
~~02 25NDFDDUPLICATE MK 2/18/25~~	WT									X	X	X	X	X	X	X	
02 18 25NDFBBLANK	WT	G			2/18/25	1410	11			X	X	X	X	X	X	X	
~~02 25 MS MK 2/18/25~~	WT									X	X	X	X	X	X	X	

Additional Instructions from Pace®: CKS 2/19/2025

Collected By: (Printed Name) M. Krez/K. Wood/S. Carmouche

Signature: MKrez/ [signature]

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
M. Krez/WSP	2/18/25 @ 1915			
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

COC ID: PPPS-1SA2025-CCR/VSWMR-GroupB-2-1

Pace® Location Requested (City/State):
Pace Analytical Kernersville, NC
1377 South Park Dr., Kernersville, NC 27284

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Dominion Energy_VA	Contact/Report To:	Kelly Hicks
Street Address:	120 Tredegar Street Richmond, VA 23219	Phone #:	(804)273-4903
		E-Mail:	kelly.a.hicks@dominionenergy.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	PPPS_1SA2025_CCR_GrpB	Invoice To:	Kelly Hicks
		Invoice E-Mail:	kelly.a.hicks@dominionenergy.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	50149081
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Virginia

Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Stephanie Knott

AcctNum / Client ID:

Table #

Profile / Template: 13861

Prelog / Bottle Ord. ID: EZ 3222682

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	6010/6020/7470 Metals	7199 Chromium, Hexavalent	9056 IC anions - Cl/Fl/SO4	Phenol by 9066 - PN	RADS 226/228 - PN	Total Organic Carbon,Asheville	Sample Comment	Preservation non-conformance identified for sample.
~~02 25NED1612~~ MK 2/20/25	WT									X	X	X	X	X	X	X	- All samples preserved on ice	
~~02 25NED10~~ MK 2/20/25	WT									X	X	X	X	X	X	X	- Level II data package requested	
~~02 25NED9R2~~ MK 2/20/25	WT									X	X	X	X	X	X	X		
~~02 25NED1605~~ MK 2/20/25	WT									X	X	X	X	X	X	X		
02 20 25NED1606	WT	G	2/20/25	[illegible]	[illegible]	1415	11			X	X	X	X	X	X	X		
~~02 25NSD1603~~ MK 2/20/25	WT									X	X	X	X	X	X	X		
02 26 25NSD1604	WT	G			2/20/25	1410	11			X	X	X	X	X	X	X		
02 27 25NDFDDUPLICATE	WT	G			2/20/25	1415	11			X	X	X	X	X	X	X		
~~02 25NDFBBLANK~~ MK 2/20/25	WT									X	X	X	X	X	X	X		
~~02 25 MS~~ MK 2/20/25	WT									X	X	X	X	X	X	X		

Additional Instructions from Pace®:

Collected By: (Printed Name) M. Knez / K. Wood

Signature: M. Knez / [illegible]

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp (°C)	Corrected Temp. (°C)	On Ice:
1	92T083	1.8			

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
MK / WSP	2/20/25@ 1700	WMD PACE HM	2/21/25 10:30	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 2

C131

Internal Transfer Chain of Custody

☐ Rush Multiplier____X
☐ Samples Pre-Logged into eCOC

State Of Origin: VA
Cert. Needed: ☒ Yes ☐ No

Workorder: 92780474 Workorder Name: PPPS_1SA2025_CCR_GrpB

Owner Received Date: 2/19/2025 Results Requested By: 3/5/2025

Report To	Subcontract To
Stephanie Knott Pace Analytical Kernersville 1377 South Park Drive Kernersville, NC 27284 Phone 704-977-0981	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers HNO3	H2SO4	Requested Analysis: Phenol by 9066	Ra 226/903.0	Ra 228/904.0 + Combined Ra	LAB USE ONLY L829167
1	021825NED1612	PS	2/18/2025 15:15	92780474001	Water	2	2	X	X	X	-01
2	021825NED1D	RQS	2/18/2025 17:45	92780474002	Water	6	6	X	X	X	-02
3	021825NED9R2	PS	2/18/2025 15:48	92780474003	Water	2	2	X	X	X	-03
4	021825NED1605	PS	2/18/2025 13:10	92780474004	Water	2	2	X	X	X	-04
5	021825NSD1603	PS	2/18/2025 15:35	92780474005	Water	2	2	X	X	X	-05
6	021825NDFBBLANK	PS	2/18/2025 14:10	92780474006	Water	2	2	X	X	X	-06
7	022025NED1606	PS	2/20/2025 14:15	92780474007	Water	2	2	X	X	X	-07
8	022025NED1604	PS	2/20/2025 14:10	92780474008	Water	2	2	X	X	X	-08
9	022025NDFDDUPLICATE	PS	2/20/2025 14:15	92780474009	Water	2	2	X	X	X	-09

Transfers	Released By	Date/Time	Received By	Date/Time
1	Ice Rec FW	2-24-25 1811	Ashley Bartlett	02/25/2025 0400
2				
3				

Comments: *MS/MSD required on sample 002

Cooler Temperature on Receipt _____°C | Custody Seal Y or N (NP) | Received on Ice (Y) or N | Samples Intact (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

Sample Receipt Checklist

COC Seal Present/Intact:	Y N (NP)	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RA Screen <0.5 mR/hr:	Y N		

Containers: 44

PH – 10BDH2631
TRC – 4072A72

COC ID: 8885-1SA2025-CCR/VSWMR-Group C- 1-1

Pace® Location Requested (City/State):
Pace Analytical Kernersville, NC
[redacted] Park Dr., Kernersville, NC 27284

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	[redacted]gy_VA
Street Address:	[redacted]treet [redacted] 23219
Customer Project #:	
Project Name:	PPPS_1SA2025_CCR_GrpC
Site Collection Info/Facility ID (as applicable):	
Contact/Report To:	Kelly Hicks
Phone #:	(804)273-4903
E-Mail:	kelly.a.hicks@dominionenergy.com
Cc E-Mail:	
Invoice To:	Kelly Hicks
Invoice E-Mail:	kelly.a.hicks@dominionenergy.com
Purchase Order # (if applicable):	50149081
Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Virginia

Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	6010/6020/7470 Metals	7199 Chromium, Hexavalent	9056 IC anions - Cl/Fl/SO4	Phenol by 9066 - PN	RADS 226/228 - PN	Total Organic Carbon,Asheville
0218 25NSD1611D	WT	G			2/18/25	1725	11			X	X	X	X	X	X	X

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Stephanie Knott**

AcctNum / Client ID:

Table #:

Profile / Template: **13861**

Prelog / Bottle Ord. ID: **EZ 3222683**

Preservation non-conformance identified for sample

Sample Comment

- All samples preserved on ice
- Level II data package requested
- Tracking #s:
  - 772123783306
  - 772123783247
  - ~~772123783247~~ MK
  - 772123783270
  - 772123783269
  - ~~772123783225~~ MK
  - 772123783280
  - 772123783291
  - 772123783306
  - 772123783258

Additional Instructions from Pace®:

Collected By: (Printed Name) K.Wood ~~S.Crouch~~ 2

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature]	2/18/25 @ 1915	[signature]	2/19 1048
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number: 772123783340; 772123783317

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 1 of 1

C125

Internal Transfer Chain of Custody

Workorder: 92780473 Workorder Name: PPPS_1SA2025_CCR_GrpC

☐ Rush Multiplier_____X
☐ Samples Pre-Logged into eCOC

State Of Origin: VA
Cert. Needed: ☒ Yes ☐ No
Owner Received Date: 2/19/2025 Results Requested By: 3/5/2025

Report To
Stephanie Knott
Pace Analytical Kernersville
1377 South Park Drive
Kernersville, NC 27284
Phone 704-977-0981

Subcontract To
Pace National
12065 Lebanon Rd
Mt. Juliet, TN 37122
Phone (615) 758-5858

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HNO3	H2SO4 <2					Requested Analysis: Phenol by 9066	Ra 226/903.0	Ra 228/904.0 + Combined Ra										L1829526 LAB USE ONLY
1	021825NSD1611D	PS	2/18/2025 17:25	92780473001	Water	2	2					X	X	X										-01
2																								
3																								
4																								
5																								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Ice Rice Hu	2-24-25 1100	Ashley Baxter	02/25/2025 0900
2				
3				

Comments

Cooler Temperature on Receipt _____°C | Custody Seal Y or N (NP) | Received on Ice (Y) or N | Samples Intact (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

Sample Receipt Checklist
COC Seal Present/Intact: __Y __N ☒NP
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ☒Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
RA Screen <0.5 mR/hr: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Pres. Correct/Check: ✓Y __N
Containers: 4

PH - 10BDH2631
TRC - 4072A72

COC ID: PPPS - 1SA2025 - CCR/VSWMR - Group F-1-1

Pace®

Pace® Location Requested (City/State):
Pace Analytical Kernersville, NC
1377 South Park Dr., Kernersville, NC 27284

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Dominion Energy_VA
Street Address:	120 Tredegar Street, Richmond, VA 23219
Customer Project #:	
Project Name:	PPPS_1SA2025_CCR_GrpF
Site Collection Info/Facility ID (as applicable):	
Contact/Report To:	Kelly Hicks
Phone #:	(804)273-4903
E-Mail:	kelly.a.hicks@dominionenergy.com
Cc E-Mail:	
Invoice To:	Kelly Hicks
Invoice E-Mail:	kelly.a.hicks@dominionenergy.com
Purchase Order # (if applicable):	50149081
Quote #:	
County / State origin of sample(s):	Virginia

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [✓] ET

Data Deliverables: [✓] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other ______

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [✓] No Analysis:

Specify Container Size **

Identify Container Preservative Type***

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: **Stephanie Knott**; AcctNum / Client ID: ; Table #: ; Profile / Template: **13861**; Prelog / Bottle Ord. ID: **EZ 3222686**

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Analysis Requested:

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	6010/6020/7470 Metals	7199 Chromium, Hexavalent	9056 IC anions - Cl/Fl/SO4	Phenol by 9066 - PN	RADS 226/228 - PN	Total Organic Carbon,Asheville	Sample Comment	Preservation non-conformance identified for sample.
021825NED24R	WT	G			2/18/25	1350	11			X	X	X	X	X	X	X	- All samples preserved on ice - level II data package requested	

Additional Instructions from Pace®:

Collected By: (Printed Name) Michael Knez

Signature: M.Knez

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
	92to73	0	2.3	2.3	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
M.Knez / WSP	2/18/25 @ 1915	[signature] Pace	2/19 1048

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier [✓] FedEX [ ] UPS [ ] Other

Page: 1 of 1

C127

Internal Transfer Chain of Custody

☐ Rush Multiplier____X
☐ Samples Pre-Logged into eCOC

State Of Origin: VA
Cert. Needed: ☒ Yes ☐ No

Workorder: 92780476 Workorder Name: PPPS_1SA2025_CCR_GrpF

Owner Received Date: 2/19/2025 Results Requested By: 3/5/2025

Report To	Subcontract To
Stephanie Knott Pace Analytical Kernersville 1377 South Park Drive Kernersville, NC 27284 Phone 704-977-0981	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

						Preserved Containers						Requested Analysis													
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	HNO3	H2SO4					Phenol by 9066	Ra 226/903.0	Ra 228/904.0 + Combined Ra											LAB USE ONLY
1	021825NED24R	PS	2/18/2025 13:50	92780476001	Water	2	2					X	X	X											-01
2																									
3																									
4																									
5																									

Transfers	Released By	Date/Time	Received By	Date/Time
1	Pace FLL	2-24-25 1200	Ashley Fowler	02/25/2025 0900
2				
3				

Comments

Cooler Temperature on Receipt _____°C | Custody Seal Y or N (NP) | Received on Ice (Y) or N | Samples Intact (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

Sample Receipt Checklist

COC Seal Present/Intact:	Y N NP	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RA Screen <0.5 mR/hr:	Y N		

Containers: 4

PH – 10BDH2631
TRC – 4072A72

Attachment IX

Field Data Sheets

February 18-20, 2025, Sampling Event

Date: 02/18/2025

WELL GAUGING LOG

Project Name: Possum – 1SA2025 Pond D

Project No./Task No.: US0041019.5094

Sampler(s): M. Knez and S. Carmouche

Equipment: Water Level Indicator

Well ID	Personnel (initials)	Time	DTW (feet)	DTB (feet)	Well Condition Summary				
					Protective Casing	Well Casing	Label	Lock	Pad Condition
ED-24R	MK	1207	27.24	--	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged
ED-1612	MK/SC	1121	109.41	--	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged
ED-1D	MK/SC	1134	40.22	--	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged
ED-9R2	MK/SC	1107	58.11	--	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged
ED-1605	MK/SC	1055	135.08	--	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged
ED-1606	MK/SC	1137	34.21	--	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged
SD-1603	MK/SC	1045	151.53	--	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged
SD-1604	MK/SC	1052	138.16	--	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged
SD-1611D	MK/SC	1127	131.45	--	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged
					☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged
					☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged
					☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged
					☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged
					☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged
			MK	2/25/25	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged

Notes/Observations: —

Signature: M. Knez　　Date: 2/25/25

QA/QC Signature: [signature]　　Date: 2/25/25

Page 1 of 1

MICROPURGE SAMPLING LOG

Date: 2/18/25
Weather: Cloudy, 40's

Project Name: Possum Point Power Station
Project No./Task No.: US0041019.5094
Event: 1SA25 CCR + VSWMR
Sampler(s): M. Knez
Unique Well ID: ED-24R
Field Calibration Completed: 2/18/25 @ 0955
Well Diameter: 2.0 inches
Initial Depth to Water: ~~24~~ MW 2/18/25 27.24 feet
Depth to Bottom: 65.88 feet
Water Column Thickness: 38.64 feet

Equipment Used:
- [x] WL Indicator
- [x] Turbidity Meter 2017
- [ ] Air Tank
- [x] Dedicated Bladder Pump
- [x] YSI Pro DSS 15K100510
- [ ] Peristaltic Pump
- [ ] Compressor
- [ ] Non-dedicated BP
- [ ] In-Situ
- [ ] MP-10 Controller Box
- [x] MP-15 Controller Box
- [ ]

Time (5 minute int.)	pH (S.U.)	Sp. Cond. (uS/cm)^{oC}	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	ORP (mV)	DTW (feet)	Flow Rate (mL/min)
Stabilization	+/- 0.1	+/- 3%	if >10, +/- 10%	+/- 10%	+/- 1°C	+/- 10 mV	<0.3 feet	<500
1225	4.71	43.4	17.9	2.44	12.3	271.8	28.21	~250
1230	4.72	43.4	15.8	2.34	12.3	277.5	27.35	~250
1235	4.72	42.6	32.4	2.28	12.2	288.4	28.10	~250
1240	4.72	41.9	32.9	2.22	12.4	290.4	28.06	~250
1245	4.70	42.1	24.7	2.22	12.4	295.6	28.03	~250
1250	4.75	42.9	20.9	2.21	12.4	296.0	28.05	~250
1255	4.72	42.0	14.0	2.19	12.3	303.3	28.05	~250
1300	4.71	41.4	20.0	2.14	12.5	306.4	28.07	~250
1305	4.70	41.2	19.5	2.13	12.6	307.8	28.12	~300 try to de turb
1310	4.73	41.9	18.5	2.08	12.7	308.6	28.17	~300
1315	4.74	41.8	19.5	2.20	12.2	311.5	28.06	~175
1320	4.73	41.7	16.9	2.26	12.1	312.2	28.01	~175
1325	4.73	41.7	18.0	2.27	12.0	312.8	28.03	~175
1330	4.73	41.4	14.1	2.31	12.0	314.1	27.95	~175
1335	4.73	41.6	9.76	2.49	11.9	318.5	28.02	~175
1340	4.71	41.2	9.25	2.37	11.9	322.5	27.99	~175
1345	4.70	41.0	8.76	2.39	11.9	323.9	27.93	~175

Purge Cycle (End): 5515 @ 38 psi
Flow Rate (ml/min End): ~175
Purge volume (gallons) prior to stabilization monitoring (3/8" I.D. Tube: Vol=Depth to Pump x 0.006 gal/ft): 60.50 x 0.006 = 0.36
Total Purge Volume (Gallons): ~6.0
Purge Water Management: On site containment
Purge Observations (color, odor, turbidity, sheen): clear grab sample
Purge Time: 1214
Sample Time: 1350
Field Filtered (0.45µm): [ ] Yes [x] No

Sample Parameters/Analyte(s):
- [x] CCR Appendix III & IV Constituents
- [x] Hexavalent Chromium
- [ ] Ni, Ag
- [x] Radium 226 and 228 (combined)

Other Observations / Equipment Operation Problems:
Sample ID: 021825NED24R

Sampler Signature: M. Knez Date: 2/18/25 Page 1 of 2
Signature: Date: 2/25/25

MICROPURGE SAMPLING LOG

Date: 2/18/25
Weather: cloudy, 40s

Project Name: Possum Point Power Station
Project No./Task No.: US0041019.5094
Event: 1SA25 CCR + VSWMR
Sampler(s): M. Knez
Unique Well ID: ED-24R
Field Calibration Completed: 2/18/25 @ 0955
Well Diameter: 2.0 inches
Initial Depth to Water: 27.24 feet
Depth to Bottom: 65.88 feet
Water Column Thickness: 38.64 feet

Equipment Used:
- [x] WL Indicator
- [x] Turbidity Meter 3107
- [ ] Air Tank
- [x] Dedicated Bladder Pump
- [x] YSI ProPlus 1SA100510
- [ ] Peristaltic Pump
- [ ] Compressor
- [ ] Non-dedicated BP
- [ ] In-Situ —
- [ ] MP-10 Controller Box
- [x] MP-15 Controller Box
- [ ] —

Time (5 minute int.)	pH (S.U.)	Sp. Cond. (uS/cm)^{oC}	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	ORP (mV)	DTW (feet)	Flow Rate (mL/min)
Stabilization	+/- 0.1	+/- 3%	if >10, +/- 10%	+/- 10%	+/- 1°C	+/- 10 mV	<0.3 feet	<500
1350					SAMPLE			
1410	4.63	40.9	5.61	2.44	12.2	327.1	28.03	~175
		MW 02/25/25						

Purge Cycle (End): 5515 @ 38 psi
Flow Rate (ml/min End): ~175
Purge volume (gallons) prior to stabilization monitoring (3/8" I.D. Tube: Vol=Depth to Pump x 0.006 gal/ft): 0.36
Total Purge Volume (Gallons): ~6.0
Purge Water Management: On site containment
Purge Observations (color, odor, turbidity, sheen): clear grab sample
Purge Time: 1214
Sample Time: 1350
Field Filtered (0.45µm): [ ] Yes [x] No

Sample Parameters/Analyte(s):
- [x] CCR Appendix III & IV Constituents
- [x] Hexavalent Chromium
- [x] Ni, Ag
- [x] Radium 226 and 228 (combined)

Other Observations / Equipment Operation Problems:
Sample ID: 021825NED24R
DTP: 60.50
Sampler Signature: MKnez
Date: 2/18/25
Page 2 of 2
QA/QC Signature:
Date: 2/25/25

MICROPURGE SAMPLING LOG

Date: 2/18/25
Weather: cloudy, 40's

Project Name: Possum Point Power Station
Project No./Task No.: US0041019.5094
Event: 1SA25 CCR + VSWMR
Sampler(s): M. Knez
Unique Well ID: ED-612
Field Calibration Completed: 2/18/25 @ 0955
Well Diameter: 2.0 inches
Initial Depth to Water: 129.41 feet
Depth to Bottom: ~~129.09~~ 136.21 feet
Water Column Thickness: ~~26.80~~ 26.80 feet

Equipment Used:
- [x] WL Indicator
- [x] Turbidity Meter 3147
- [ ] Air Tank
- [x] Dedicated Bladder Pump
- [x] YSI PROSS K16051O
- [ ] Peristaltic Pump
- [ ] Compressor
- [ ] Non-dedicated BP
- [ ] In-Situ ——
- [ ] MP-10 Controller Box
- [x] MP-15 Controller Box
- [ ] ——

Time (5 minute int.)	pH (S.U.)	Sp. Cond. (uS/cm)°C	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	ORP (mV)	DTW (feet)	Flow Rate (mL/min)
Stabilization	+/- 0.1	+/- 3%	if >10, +/- 10%	+/- 10%	+/- 1°C	+/- 10 mV	<0.3 feet	<500
1445 ~~1440~~	5.92	159.1	27.9	0.89	11.9	65.1	113.17	~300
1450 1450	6.00	156.5	4.91	0.98	12.2	58.8	114.80	~300
1455 1455	5.98	153.6	3.88	1.80	12.4	58.5	115.20	~300
1500 1500	5.98	153.6	3.11	1.73	12.4	47.9	115.71	~300
1503	5.99	154.1	3.44	1.59	12.3	40.9	115.73	~300
1506	6.00	154.3	2.56	1.44	12.3	39.7	115.78	~300
1509	6.01	154.2	2.69	1.28	12.4	31.0	115.81	~300
* 1515	——	——	——	SAMPLE	——	——	——	——
1537	6.04	144.6	1.76	0.59	12.1	18.1	116.21	~300

MW 02/25/25

Purge Cycle (End): 2218 @ ~70 psi
Flow Rate (ml/min End): ~300
Purge volume (gallons) prior to stabilization monitoring (3/8" I.D. Tube: Vol=Depth to Pump x 0.006 gal/ft): ~0.77
Total Purge Volume (Gallons): ~3.25
Purge Water Management: On site containment
Purge Observations (color, odor, turbidity, sheen): clear grab sample
Purge Time: 1432
Sample Time: 1515
Field Filtered (0.45µm): [ ] Yes [x] No

Sample Parameters/Analyte(s):
- [x] CCR Appendix III & IV Constituents
- [x] Hexavalent Chromium
- [x] Ni, Ag
- [x] Radium 226 and 228 (combined)

Other Observations / Equipment Operation Problems: *: change air tank
Sample ID: 021825MED1612 DTP: 129.09
Sampler Signature: [signature] Date: 2/18/25
QA/QC Signature: [signature] Date: 2/25/25

MICROPURGE SAMPLING LOG

Date: 2/18/25

Weather Partly Cloudy 30's

Project Name: Possum Point Power Station

Project No./Task No.: US0041019.5094

Event: 1SA25 CCR + VSWMR

Sampler(s): S. Carnoche

Unique Well ID: EP-10

Field Calibration Completed: 2/18/25 @ 0955

Well Diameter: 2.0 inches

Initial Depth to Water: 41.70 feet

Depth to Bottom: 62.60 feet

Water Column Thickness: 20.90 feet

Equipment Used:
- [x] WL Indicator
- [x] Turbidity Meter AE98703
- [ ] Air Tank
- [x] Dedicated Bladder Pump
- [x] YSI ProDSS 23510025 3
- [ ] Peristaltic Pump
- [ ] Compressor
- [ ] Non-dedicated BP
- [ ] In-Situ
- [ ] MP-10 Controller Box
- [x] MP-15 Controller Box
- [ ] —

Time (5 minute int.)	pH (S.U.)	Sp. Cond. (uS/cm)oC	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	ORP (mV)	DTW (feet)	Flow Rate (mL/min)
Stabilization	+/- 0.1	+/- 3%	if >10, +/- 10%	+/- 10%	+/- 1°C	+/- 10 mV	<0.3 feet	<500
1710	4.59	309.4	2.77	2.98	M.0	367.9	42.05	~350
1715	4.58	314.6	1.46	2.25	14.5	473.1	42.24	~350
1720	4.58	317.2	0.96	2.16	14.5	525.6	42.44	~350
1725	4.55	320.4	0.38	1.83	14.6	565.9	42.50	~350
1730	4.56	319.4	0.32	1.85	M.6	581.4	42.52	~350
1735	4.59	314.0	0.25	1.97	14.6	594.1	42.53	~350
1745	—	S	A	M	P	L	E	—
1828	4.59	317.7	0.20	2.22	14.5	596.1	42.70	~350

HW 02/25/25

Purge Cycle (End): ~~4 of~~ 14/6 @ ~ 40 psi Flow Rate (ml/min End) ~ 350

Purge volume (gallons) prior to stabilization monitoring (3/8" I.D. Tube: Vol=Depth to Pump x 0.006 gal/ft) 0.006 x 55.10 = ~0.33

Total Purge Volume (Gallons): ~ 4.0 Purge Water Management: On site containment

Purge Observations (color, odor, turbidity, sheen): clear grab sample

Purge Time: 1702 MS/MSD taken here for A and D

Sample Time: 1745 Field Filtered (0.45µm): [ ] Yes [x] No

Sample Parameters/Analyte(s):
- [x] CCR Appendix III & IV Constituents
- [x] Hexavalent Chromium
- [x] Ni, Ag
- [x] Radium 226 and 228 (combined)

Other Observations / Equipment Operation Problems: DTP = 55.10

Sample ID: 021825N EDUP , 021825MS , 021825MSD

Sampler Signature: S. Carnoche Date: 2/18/25 Page 1 of 1

QA/QC Signature: M. Ruy Date: 2/25/25

MICROPURGE SAMPLING LOG

Date: 2/18/25
Weather: Partly cloudy 30's

Project Name: Possum Point Power Station
Project No /Task No.: US0041019 5094
Event: 1SA25 CCR + VSWMR
Sampler(s): S. Carmouche
Unique Well ID: ED-9R2
Field Calibration Completed: 02/18/25 @ 0955
Well Diameter: 2.0 inches
Initial Depth to Water: 58.21 feet
Depth to Bottom: ~ 83.00 feet
Water Column Thickness: ~ 24.79 feet
Equipment Used: ☑ WL Indicator ☑ Turbidity Meter 17918703 ☐ Air Tank ☑ Dedicated Bladder Pump
☑ YSI ProDSS 23J 100 253 ☐ Peristaltic Pump ☐ Compressor ☐ Non-dedicated BP
☐ In-Situ — ☐ MP-10 Controller Box ☑ MP-15 Controller Box ☐ —

Time (5 minute int.)	pH (S.U.)	Sp. Cond. (uS/cm)^{oC}	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	ORP (mV)	DTW (feet)	Flow Rate (mL/min)
Stabilization	+/- 0.1	+/- 3%	if >10, +/- 10%	+/- 10%	+/- 1°C	+/- 10 mV	<0 3 feet	<500
1513	5.06	571	9.78	0.54	13.1	291.0	58.21	~300
1518	5.06	565	4.23	0.61	13.2	296.6	58.23	~300
1523	5.07	561	20.1	0.62	13.2	302.3	58.26	~300
1528	5.07	558	15.1	1.13	12.9	306.4	58.20	~300
1533	5.07	561	8.83	0.72	12.8	310.1	58.21	~300
1538	5.07	563	7.45	0.63	12.8	314.0	58.21	~300
1543	5.07	566	6.90	0.57	12.7	316.7	58.21	~300
1548	—	S	A	M	P	L	E	—
1601	5.08	563	7.14	0.84	12.6	299.7	58.20	~300

MW 02/25/25

Purge Cycle (End): 26/4 @ ~ 50 psi Flow Rate (ml/min End) ~ 300
Purge volume (gallons) prior to stabilization monitoring (3/8" I D Tube: Vol=Depth to Pump x 0.006 gal/ft): 0.006 X 77.20 = ~0.46
Total Purge Volume (Gallons) ~ 3.5 Purge Water Management On site containment
Purge Observations (color, odor, turbidity, sheen): Clear grab sample
Purge Time 1504
Sample Time 1548 Field Filtered (0.45µm): ☐ Yes ☒ No
Sample Parameters/Analyte(s): ☑ CCR Appendix III & IV Constituents ☑ Hexavalent Chromium
☑ Ni, Ag
☑ Radium 226 and 228 (combined)

Other Observations / Equipment Operation Problems DTP = 77.20
Sample ID: 021825NED9R2

Sampler Signature: Date: 2/18/25 Page 1 of 1
QA/QC Signature: Date: 2/25/25

MICROPURGE SAMPLING LOG

Date: 02/18/2025
Weather: cloudy, 35°

Project Name: Possum Point Power Station
Project No./Task No.: US0041019.5094
Event: 1SA25 CCR + VSWMR
Sampler(s): K Wood
Unique Well ID: ED-1605
Field Calibration Completed: 02/18/25 @ 0955
Well Diameter: 2.0 inches
Initial Depth to Water: 135.07 feet
Depth to Bottom: 178.05 feet
Water Column Thickness: 42.98 feet

Equipment Used:
- [x] WL Indicator
- [x] Turbidity Meter 21011
- [ ] Air Tank
- [x] Dedicated Bladder Pump
- [x] YSI Pro DS 23K103029
- [ ] Peristaltic Pump
- [ ] Compressor
- [ ] Non-dedicated BP
- [ ] In-Situ —
- [ ] MP-10 Controller Box
- [x] MP-15 Controller Box
- [ ] —

Time (5 minute int.)	pH (S.U.)	Sp. Cond. (uS/cm)^{oC}	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	ORP (mV)	DTW (feet)	Flow Rate (mL/min)
Stabilization	+/- 0.1	+/- 3%	if >10, +/- 10%	+/- 10%	+/- 1°C	+/- 10 mV	<0.3 feet	<500
~~1240~~ 1245	4.25	524	0.89	2.56	10.5	312.6	135.45	~200
1250	4.05	520	1.38	2.58	12.0	343.0	135.61	~200
1255	3.92	519	0.89	2.09	12.1	361.2	135.65	~200
1300	3.89	519	1.09	1.92	11.7	364.3	135.60	~160
1305	3.88	520	1.51	1.84	12.0	366.2	135.58	~160
1310	—	S	A	M	P	L	E	—
1345	3.77	532	0.81	2.08	11.8	387.5	135.50	~160

KW 02/25/25

Purge Cycle (End): 2/3 @ ~80 psi
Flow Rate (ml/min End): ~160
Purge volume (gallons) prior to stabilization monitoring (3/8" I.D. Tube: Vol=Depth to Pump x 0.006 gal/ft): ~0.774 ~1 gal
Total Purge Volume (Gallons) ~1.8
Purge Water Management: On site containment
Purge Observations (color, odor, turbidity, sheen): clear, odorless grab sample
Purge Time 1225
Sample Time 1310
Field Filtered (0.45µm): [ ] Yes [x] No

Sample Parameters/Analyte(s):
- [x] CCR Appendix III & IV Constituents
- [x] Hexavalent Chromium
- [x] Ni, Ag
- [x] Radium 226 and 228 (combined)

Other Observations / Equipment Operation Problems: Depth to Pump: 168.80
Sample ID: 021825NED1605, 02825NDFBBlank exchange w/blank @ 1238 Field blank taken for Rad

Sampler Signature: Date: 02/18/25 Page 1 of 1
QA/QC Signature: Date: 02/25/25

MICROPURGE SAMPLING LOG

Date: 02/20/25
Weather: partly cloudy, 28°

Project Name: Possum Point Power Station
Project No./Task No.: US0041019.5094
Event: 1SA25 CCR + VSWMR
Sampler(s): K Wash
Unique Well ID: ED-1606
Field Calibration Completed: 02/20/25 @ 0850
Well Diameter: 2.0 inches
Initial Depth to Water: 33.86 feet
Depth to Bottom: 69.53 feet
Water Column Thickness: 35.67 feet

Equipment Used:
- [x] WL Indicator
- [x] Turbidity Meter 21011
- [ ] Air Tank
- [x] Dedicated Bladder Pump
- [x] YSI ~~Aa~~ DSS 23K103049
- [ ] Peristaltic Pump
- [ ] Compressor
- [ ] Non-dedicated BP
- [ ] In-Situ —
- [ ] MP-10 Controller Box
- [x] MP-15 Controller Box
- [ ] —

Time (5 minute int.)	pH (S.U.)	Sp. Cond. (uS/cm)^{oC}	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	ORP (mV)	DTW (feet)	Flow Rate (mL/min)
Stabilization	+/- 0.1	+/- 3%	if >10, +/- 10%	+/- 10%	+/- 1°C	+/- 10 mV	<0.3 feet	<500
1334	4.46	428.2	5.18	2.55	12.2	208.0	34.08	~300
1339	4.31	430.9	11.8	0.60	12.6	273.7	34.10	~300
1344	4.33	430.4	6.33	0.47	12.3	291.3	34.10	~300
1349	4.33	429.9	3.96	0.38	13.4	299.3	34.10	~300
1352	4.33	430.6	2.58	0.35	13.5	304.5	34.11	~300
~~1350~~ 1357	4.34	429.1	2.68	0.29	12.6	311.5	34.10	~300
1402	4.33	428.3	1.88	0.26	12.4	316.4	34.14	~300
1407	4.34	429.4	1.77	0.24	12.4	317.6	34.10	~300
1415	—	S	A	M	F	L	E	—
1454	4.33	430.6	0.58	0.21	12.5	330.7	34.12	~300

HAW 2/25/25

HAW 02/25/25

Purge Cycle (End): 25/5 @ 55 psi
Flow Rate (ml/min End): ~300
Purge volume (gallons) prior to stabilization monitoring (3/8" I.D. Tube: Vol=Depth to Pump x 0.006 gal/ft): ~0.39
Total Purge Volume (Gallons): ~4.7
Purge Water Management: On site containment
Purge Observations (color, odor, turbidity, sheen): clear, odorless grab sample
Purge Time: 1325
Sample Time: 1415
Field Filtered (0.45µm): [ ] Yes [x] No

Sample Parameters/Analyte(s):
- [x] CCR Appendix III & IV Constituents
- [x] Hexavalent Chromium
- [x] Ni, Ag
- [x] Radium 226 and 228 (combined)

Other Observations / Equipment Operation Problems: * Air tank changed
Sample ID: ~~NED~~ HAW 2/25/25 NT 2/25/25 022025NED1606
Sampler Signature: Date: 02/25/25 Page 1 of 1
QA/QC Signature: Date: 02/25/25

MICROPURGE SAMPLING LOG

Date: 02/18/25
Weather: cloudy, 35°

Project Name: Possum Point Power Station
Project No./Task No.: US0041019.5094
Event: 1SA25 CCR + VSWMR
Sampler(s): K Wood
Unique Well ID: SD-1603
Field Calibration Completed: 02/18/25 @ 0955
Well Diameter: 2.0 inches
Initial Depth to Water: 151.55 feet
Depth to Bottom: 172.64 feet
Water Column Thickness: 21.09 feet

Equipment Used:
- [x] WL Indicator
- [x] Turbidity Meter 2101
- [ ] Air Tank
- [x] Dedicated Bladder Pump
- [x] YSI Pro DSS 23K103049
- [ ] Peristaltic Pump
- [ ] Compressor
- [ ] Non-dedicated BP
- [ ] In-Situ —
- [ ] MP-10 Controller Box
- [x] MP-15 Controller Box
- [ ] —

Time (5 minute int.)	pH (S.U.)	Sp. Cond. (uS/cm)oC	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	ORP (mV)	DTW (feet)	Flow Rate (mL/min)
Stabilization	+/- 0.1	+/- 3%	if >10, +/- 10%	+/- 10%	+/- 1°C	+/- 10 mV	<0.3 feet	<500
KW 02/18/25 ~~1453~~	5.21	376.9	1.40	2.52	13.6	262.5	152.21	~270
~~1458~~ 1505	5.16	428.2	1.41	1.92	13.4	120.0	152.22	~200
~~1503~~ 1510	5.18	439.8	0.86	0.95	13.7	101.9	152.47	~200
~~1508~~ 1515	5.23	438.9	0.70	6.89	14.1	78.4	152.52	~200
1520	5.26	441.4	0.77	0.84	14.2	69.8	152.48	~200
1525	5.25	449.2	0.74	0.69	14.3	67.3	152.45	~200
1530	5.24	452.4	1.16	0.61	14.7	66.3	152.42	~200
1535	—	S	A	M	P	L	E	—
1611	5.15	422.9	0.81	0.81	13.3	70.5	152.40	~200

KW 02/25/25

Purge Cycle (End): 20/10 @ ~95 psi
Flow Rate (ml/min End): ~200
Purge volume (gallons) prior to stabilization monitoring (3/8" I.D. Tube: Vol=Depth to Pump x 0.006 gal/ft): ~1.04
Total Purge Volume (Gallons): ~3.0
Purge Water Management: On site containment
Purge Observations (color, odor, turbidity, sheen): clear, odorless grab sample
Purge Time: 1438
Sample Time: 1535
Field Filtered (0.45µm): [ ] Yes [x] No

Sample Parameters/Analyte(s):
- [x] CCR Appendix III & IV Constituents
- [x] Hexavalent Chromium
- [x] Ni, Ag
- [x] Radium 226 and 228 (combined)

Other Observations / Equipment Operation Problems:
Sample ID: 021825NSD1603
* Air tank changed because frozen

Sampler Signature: [signature] Date: 02/18/25
QA/QC Signature: [signature] Date: 02/25/25

wsp

MICROPURGE SAMPLING LOG

Date: ~~2/20~~ 2/20/25
Weather: mostly cloudy, 30's

Project Name: Possum Point Power Station | Project No./Task No.: US0041019.5094
Event: 1SA25 CCR + VSWMR | Sampler(s): M. Knez
Unique Well ID: SD-1604 | Field Calibration Completed: 2/20/25 @ 0850
Well Diameter: 2.0 inches | Initial Depth to Water: 137.94 feet
Depth to Bottom: 173.60 feet | Water Column Thickness: 35.66 feet

Equipment Used:
- [x] WL Indicator
- [x] YSI ProDSS 16K100510
- [ ] In-Situ ——
- [x] Turbidity Meter 2017
- [ ] Peristaltic Pump
- [ ] MP-10 Controller Box
- [ ] Air Tank
- [ ] Compressor
- [x] MP-15 Controller Box
- [x] Dedicated Bladder Pump
- [ ] Non-dedicated BP
- [ ] ——

	Time (5 minute int.)	pH (S.U.)	Sp. Cond. (uS/cm)^{oC}	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	ORP (mV)	DTW (feet)	Flow Rate (mL/min)
	Stabilization	+/- 0.1	+/- 3%	if >10, +/- 10%	+/- 10%	+/- 1°C	+/- 10 mV	<0.3 feet	<500
	~~1330~~ 1331 MK 2/20/25	4.96	475.6	~~10.05~~ 14.0	0.87	12.6	142.5	138.95	~300
*	1334	—	—	—	change	air	tank	—	—
	1336	4.97	467.9	15.7	1.11	12.6	142.5	139.41	~300
	1339	4.97	458.4	6.51	0.77	13.5	135.2	140.22	~300
	1342	5.02	502	5.31	0.45	13.3	127.0	140.68	~300
	1345	5.02	503	6.33	0.44	13.3	127.3	140.91	~300
1350	~~1348~~ MK 2/20/25	5.02	503	2.57	0.50	12.7	128.1	~~139~~ 140.92	~250
1355	~~1351~~ MK 2/20/25	5.03	507	1.16	0.48	12.6	125.1	140.69	~250
	1400	5.05	515	1.52	0.27	12.8	121.0	140.54	~250
	1405	5.06	518	3.61	0.31	12.4	120.2	140.82	~250
air tank again *	1410	—	—	—	SAM	PLE	—	—	—
	1443	5.01	516	6.66	0.39	12.5	122.5	140.58	~250
					MK 02/25/25				

Purge Cycle (End): 1455.5 ~~1515.75~~ 1515 @ ~~40~~ 100 psi MK 2/20/25 | Flow Rate (ml/min End): ~250

Purge volume (gallons) prior to stabilization monitoring (3/8" I.D. Tube: Vol=Depth to Pump x 0.006 gal/ft): ~1.00

Total Purge Volume (Gallons): ~3.75 | Purge Water Management: On site containment

Purge Observations (color, odor, turbidity, sheen): clear grab sample

Purge Time: 1317

Sample Time: 1410 | Field Filtered (0.45µm): [ ] Yes [x] No

Sample Parameters/Analyte(s):
- [x] CCR Appendix III & IV Constituents
- [x] Hexavalent Chromium
- [x] Ni, Ag
- [ ] Radium 226 and 228 (combined)

Other Observations / Equipment Operation Problems: *: change air tank (noted above)

Sample ID: 022025NSD1604 | DTP: 169.50

Sampler Signature: MK | Date: 2/20/25 | Page 1 of 1

QA/QC Signature: [signature] | Date 2/25/25

MICROPURGE SAMPLING LOG

Date: 02/18/25
Weather: cloudy, 36°

Project Name: Possum Point Power Station
Project No./Task No.: US0041019.5094
Event: 1SA25 CCR + VSWMR
Sampler(s): K Wood
Unique Well ID: SD-1611D
Field Calibration Completed: 02/18/25
Well Diameter: 2.0 inches
Initial Depth to Water: 131.37 feet
Depth to Bottom: KW 02/25/25 ~~130.74~~ 172.37 feet
Water Column Thickness: 40.98 feet
Equipment Used: ☑ WL Indicator ☑ Turbidity Meter 21011 ☐ Air Tank ☑ Dedicated Bladder Pump
☑ YSI Pro DSS 23K103049 ☐ Peristaltic Pump ☐ Compressor ☐ Non-dedicated BP
☐ In-Situ ——— ☐ MP-10 Controller Box ☑ MP-15 Controller Box ☐ ———

Time (5 minute int.)	pH (S.U.)	Sp. Cond. (uS/cm)°C	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	ORP (mV)	DTW (feet)	Flow Rate (mL/min)
Stabilization	+/- 0.1	+/- 3%	if >10, +/- 10%	+/- 10%	+/- 1°C	+/- 10 mV	<0.3 feet	<500
1702 ~~1708~~ KW 2/18/25	5.80	187.4	0.52	0.63	13.0	-0.8	131.60	KW 2/18/25 ~~150~~ ~200
1707	5.81	188.3	0.38	0.59	13.0	-2.8	131.59	~200
1712 *	5.21	188.5	0.37	0.52	13.0	-5.3	131.59	~200
1719	5.79	188.0	0.30	0.53	13.1	-8.8	131.59	~200
1725	-	S	A	M	P	L	E	—
1800	5.72	188.5	0.44	0.46	12.0	-6.6	131.40	~200

KW 02/25/25

Purge Cycle (End): ~2/8 @ ~95 psi Flow Rate (ml/min End): ~200
Purge volume (gallons) prior to stabilization monitoring (3/8" I.D. Tube: Vol=Depth to Pump x 0.006 gal/ft): ~1.01
Total Purge Volume (Gallons): ~3.0 Purge Water Management: On site containment
Purge Observations (color, odor, turbidity, sheen): clear, odorless grab sample
Purge Time: 1647
Sample Time: 1725 Field Filtered (0.45µm): ☐ Yes ☑ No
Sample Parameters/Analyte(s): ☑ CCR Appendix III & IV Constituents ☑ Hexavalent Chromium
☑ Ni, Ag
☑ Radium 226 and 228 (combined)

Other Observations / Equipment Operation Problems: DTP: 168.64
Sample ID: 021825NSP1611D * Air tank frozen, changed tank. Waited extra 2 min.
Sampler Signature: Date: 02/25/25 Page 1 of 1
QA/QC Signature: Date: 02/25/25

MICROPURGE SAMPLING LOG

Date: 02/18/25
Weather: Cloudy, 35°

Project Name: Possum Point Power Station
Project No./Task No.: US0041019.5094
Event: 1SA25 CCR + VSWMR
Sampler(s): M Wood
Unique Well ID: Pond D Field blank
Field Calibration Completed: —
Well Diameter: — inches
Initial Depth to Water: — feet
Depth to Bottom: — feet
Water Column Thickness: — feet

Equipment Used:
- [x] WL Indicator
- [x] YSI —
- [ ] In-Situ —
- [x] Turbidity Meter —
- [ ] Peristaltic Pump
- [ ] MP-10 Controller Box
- [ ] Air Tank
- [ ] Compressor
- [x] MP-15 Controller Box
- [x] Dedicated Bladder Pump
- [ ] Non-dedicated BP
- [ ] —

Time (5 minute int.)	pH (S.U.)	Sp. Cond. (uS/cm)^{oC}	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	ORP (mV)	DTW (feet)	Flow Rate (mL/min)
Stabilization	+/- 0.1	+/- 3%	if >10, +/- 10%	+/- 10%	+/- 1°C	+/- 10 mV	<0.3 feet	<500
1410	—	S	A	M	P	L	G	—
			KW 02/25/25					

Purge Cycle (End): — @ — psi
Flow Rate (ml/min End): —
Purge volume (gallons) prior to stabilization monitoring (3/8" I.D. Tube: Vol=Depth to Pump x 0.006 gal/ft): —
Total Purge Volume (Gallons): —
Purge Water Management: On site containment
Purge Observations (color, odor, turbidity, sheen): Clear, odorless grab sample taken with lab-provided DI water near ED-1605
Purge Time: —
Sample Time: —
Field Filtered (0.45µm): ☐ Yes ☑ No

Sample Parameters/Analyte(s):
- [x] CCR Appendix III & IV Constituents
- [x] Hexavalent Chromium
- [x] Ni, Ag
- [x] Radium 226 and 228 (combined)

Other Observations / Equipment Operation Problems:
Sample ID: ~~021825NDFBBlank~~ 021825NDFBBLANK
Sampler Signature: [signature] Date: 02/25/25
QA/QC Signature: [signature] Date: 02/25/25

MICROPURGE SAMPLING LOG

Date: 2/20/25
Weather: Cloudy, 30's

Project Name: Possum Point Power Station
Project No./Task No.: US0041019.5094
Event: 1SA25 CCR + VSWMR
Sampler(s): M. Kretz
Unique Well ID: Read ID Field Duplicate
Field Calibration Completed: —
Well Diameter: — inches
Initial Depth to Water: — feet
Depth to Bottom: — feet
Water Column Thickness: — feet

Equipment Used:
- [x] WL Indicator
- [x] Turbidity Meter —
- [ ] Air Tank
- [x] Dedicated Bladder Pump
- [x] YSI —
- [ ] Peristaltic Pump
- [ ] Compressor
- [ ] Non-dedicated BP
- [ ] In-Situ —
- [ ] MP-10 Controller Box
- [x] MP-15 Controller Box
- [ ] —

Time (5 minute int.)	pH (S.U.)	Sp. Cond. (uS/cm)^{oC}	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	ORP (mV)	DTW (feet)	Flow Rate (mL/min)
Stabilization	+/- 0.1	+/- 3%	if >10, +/- 10%	+/- 10%	+/- 1°C	+/- 10 mV	<0.3 feet	<500
1415				SAMPLE				

HW 02/25/25

Purge Cycle (End): — @ — psi Flow Rate (ml/min End): —
Purge volume (gallons) prior to stabilization monitoring (3/8" I.D. Tube: Vol=Depth to Pump x 0.006 gal/ft): —
Total Purge Volume (Gallons): — Purge Water Management: On site containment
Purge Observations (color, odor, turbidity, sheen): Clear grab Sample taken from SD-1604
Purge Time: —
Sample Time: 1415 Field Filtered (0.45µm): ☐ Yes ☒ No

Sample Parameters/Analyte(s):
- [x] CCR Appendix III & IV Constituents
- [x] Hexavalent Chromium
- [x] Ni, Ag
- [x] Radium 226 and 228 (combined)

Other Observations / Equipment Operation Problems:
Sample ID: 022025DFDDuplicate

Sampler Signature: M. Kretz Date: 2/20/25 Page 1 of 1
QA/QC Signature: [signature] Date: 2/25/25

Attachment X

Background Statistical Analyses

(See Table 1)

Attachment XI

Special Conditions Description

Attachment XI
Special Conditions Description
First Semi-Annual 2025 Sampling Event – February 2025
Possum Point Power Station, Pond D – Solid Waste Permit No. 617

Groundwater Protection Standard Exceedance Notification

Consistent with XI.H.2 of the Unit's SWP, the Modified AMP constituent [CCR Rule Appendix IV constituents, VSWMR metals, and boron] detections were evaluated against MCL-based GPS and background-based SWP GPS. Background-based SWP GPS that were used for the first semi-annual 2025 data evaluations were approved by the DEQ on March 18, 2024. Pursuant to section XI.H.4.a of the Unit's SWP, a *2025 1st Semi-Annual GPS SSI Notification* was submitted to the DEQ on May 9, 2025, documenting SWP GPS exceedances for cobalt at monitoring well ED-1605 and nickel at monitoring wells ED-1D, ED-9R2, ED-1605, ED-1606, and SD-1603.

In response to the SWP GPS and federal CCR GWPS exceedance for cobalt, Dominion Energy completed a Nature and Extent Study (NES) and an Assessment of Corrective Measures (ACM) on June 27, 2019 (revised October 16, 2024), consistent with §257.96 of the CCR Rule. In response to the SWP GPS exceedances for nickel, Dominion Energy completed an ACM Addendum on October 28, 2021 (revised October 16, 2024).

Attachment XII

Data Validation Forms

February 18-20, 2025, Sampling Event

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of the samples collected as part of:

Possum Point Groundwater Sampling
Samples Collected between: 2/18/2025 and 2/20/2025

This review was performed with guidance from the associated US EPA data validation guidelines and in accordance with the Quality Assurance Program Plan. These validation guidance documents specifically address analyses performed in accordance with the Contract Laboratory Program (CLP) analytical methods and are not completely applicable to the type of analyses and analytical protocols performed for the US EPA, SW-846, and Standard Methods utilized by the laboratory for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the usability of the analytical results and compliance relative to the US EPA, SW-846, and Standard Methods utilized by the laboratory. This QA review was performed on the data associated with Job Number:

92780474

The findings offered in this report are based on a review of holding times and preservation, method blank results, field blank results, filter blank results, equipment blank results, tubing blank results, matrix spike/matrix spike duplicate recoveries and precision, laboratory control sample/laboratory control sample duplicate recoveries and precision, laboratory and field duplicate precision, total and dissolved results comparisons, and/or positive results between the method detection limit and quantitation limit.

The following results were qualified based on the data verification effort:

Sample	Location	Sample Type	Method	Analyte	T/D	Result	Qual	Reason Code(s)	MDL	QL	Uncertainty	Unit
021825NED1612	ED-1612	N	SM 2540C	Total Dissolved Solids	N		U	BF	114	114		mg/L
021825NED1612	ED-1612	N	SW-846 6010D	Boron	T		U	BF	17.3	50.0		ug/L
021825NED1612	ED-1612	N	SW-846 6010D	Copper	T	0.63	J	RL	0.62	5.0		ug/L
021825NED1612	ED-1612	N	SW-846 6010D	Molybdenum	T	4.6	J	RL	2.6	5.0		ug/L
021825NED1612	ED-1612	N	SW-846 6010D	Nickel	T	0.90	J	RL	0.88	5.0		ug/L
021825NED1612	ED-1612	N	SW-846 6020B	Cobalt	T	0.21	J	RL	0.14	1.0		ug/L
021825NED1612	ED-1612	N	SW-846 6020B	Iron	T	894	J	M,MP	3.0	20.0		ug/L
021825NED1612	ED-1612	N	SW-846 9056A	Chloride	N	1.9	J-	M	0.60	1.0		mg/L
021825NED1D	ED-1D	N	SM 2540C	Total Dissolved Solids	N	196	J+	BF	10.0	10.0		mg/L
021825NED1D	ED-1D	N	SW-846 6010D	Chromium	T	0.65	J	RL	0.63	5.0		ug/L
021825NED1D	ED-1D	N	SW-846 6010D	Copper	T	3.3	J	RL	0.62	5.0		ug/L
021825NED1D	ED-1D	N	SW-846 6010D	Zinc	T	9.2	J	RL	3.0	10.0		ug/L
021825NED1D	ED-1D	N	SW-846 6020B	Cobalt	T	3.5	J	RL	0.71	5.0		ug/L
021825NED1D	ED-1D	N	SW-846 6020B	Lithium	T	7.8	J	RL	1.7	12.5		ug/L
021825NED1D	ED-1D	N	SW-846 7199	Chromium, Hexavalent	D	0.44	J+	M	0.022	0.12		ug/L
021825NED1D	ED-1D	N	SW-846 9056A	Chloride	N	54.9	J-	M	0.60	1.0		mg/L
021825NED1D	ED-1D	N	SW-846 9056A	Fluoride	N	0.052	J	RL	0.050	0.10		mg/L
021825NED9R2	ED-9R2	N	SM 2540C	Total Dissolved Solids	N	398	J+	BF	10.0	10.0		mg/L
021825NED9R2	ED-9R2	N	SW-846 6010D	Chromium	T	0.83	J	RL	0.63	5.0		ug/L
021825NED9R2	ED-9R2	N	SW-846 6010D	Copper	T	2.0	J	RL	0.62	5.0		ug/L
021825NED9R2	ED-9R2	N	SW-846 6010D	Zinc	T	3.5	J	RL	3.0	10.0		ug/L
021825NED9R2	ED-9R2	N	SW-846 6020B	Cobalt	T	0.34	J	RL	0.14	1.0		ug/L
021825NED9R2	ED-9R2	N	SW-846 6020B	Iron	T	46.8	J	BL,M,MP	3.0	20.0		ug/L
021825NED9R2	ED-9R2	N	SW-846 6020B	Thallium	T	0.041	J	RL	0.028	0.20		ug/L
021825NED9R2	ED-9R2	N	SW-846 7199	Chromium, Hexavalent	D	0.50	J	H,M	0.022	0.12		ug/L
021825NED9R2	ED-9R2	N	SW-846 9056A	Chloride	N	47.3	J-	M	0.60	1.0		mg/L
021825NED9R2	ED-9R2	N	SW-846 9056A	Fluoride	N	0.069	J	RL	0.050	0.10		mg/L
021825NED1605	ED-1605	N	SM 2540C	Total Dissolved Solids	N	317	J+	BF	10.0	10.0		mg/L
021825NED1605	ED-1605	N	SW-846 6010D	Chromium	T	0.75	J	RL	0.63	5.0		ug/L
021825NED1605	ED-1605	N	SW-846 6010D	Copper	T	4.6	J	RL	0.62	5.0		ug/L

Sample	Location	Sample Type	Method	Analyte	T/D	Result	Qual	Reason Code(s)	MDL	QL	Uncertainty	Unit
021825NED1605	ED-1605	N	SW-846 6020B	Iron	T		U	BL,M,MP	32.6	32.6		ug/L
021825NED1605	ED-1605	N	SW-846 6020B	Thallium	T	0.077	J	RL	0.028	0.20		ug/L
021825NED1605	ED-1605	N	SW-846 7199	Chromium, Hexavalent	D	0.32	J+	M	0.0086	0.050		ug/L
021825NED1605	ED-1605	N	SW-846 7470A	Mercury	T	0.12	J	RL	0.12	0.20		ug/L
021825NED1605	ED-1605	N	SW-846 9056A	Chloride	N	42.5	J-	M	0.60	1.0		mg/L
021825NED1605	ED-1605	N	SW-846 9056A	Fluoride	N	0.053	J	RL	0.050	0.10		mg/L
021825NED1605	ED-1605	N	SW-846 9060A	Mean Total Organic Carbon	N	0.57	J	RL	0.50	1.0		mg/L
021825NSD1603	SD-1603	N	SM 2540C	Total Dissolved Solids	N	337	J+	BF	10.0	10.0		mg/L
021825NSD1603	SD-1603	N	SW-846 6010D	Beryllium	T	0.59	J	RL	0.16	1.0		ug/L
021825NSD1603	SD-1603	N	SW-846 6010D	Copper	T	2.3	J	RL	0.62	5.0		ug/L
021825NSD1603	SD-1603	N	SW-846 6020B	Iron	T	8960	J	M,MP	3.0	20.0		ug/L
021825NSD1603	SD-1603	N	SW-846 6020B	Lead	T	0.33	J	RL	0.18	1.0		ug/L
021825NSD1603	SD-1603	N	SW-846 9056A	Chloride	N	76.7	J-	M	0.60	1.0		mg/L
021825NSD1603	SD-1603	N	SW-846 9056A	Fluoride	N	0.059	J	RL	0.050	0.10		mg/L
021825NDFBBLANK	Field Blank	FB	SW-846 6010D	Boron	T	4.4	J	RL	4.0	50.0		ug/L
022025NED1606	ED-1606	N	SM 2540C	Total Dissolved Solids	N		U	BF	120	120		mg/L
022025NED1606	ED-1606	N	SW-846 6010D	Chromium	T	1.8	J	RL	0.63	5.0		ug/L
022025NED1606	ED-1606	N	SW-846 6010D	Zinc	T	8.3	J	RL	3.0	10.0		ug/L
022025NED1606	ED-1606	N	SW-846 6020B	Lead	T	0.35	J	RL	0.18	1.0		ug/L
022025NED1606	ED-1606	N	SW-846 6020B	Tin	T	0.15	J	RL	0.14	1.0		ug/L
022025NSD1604	SD-1604	N	SM 2540C	Total Dissolved Solids	N	348	J+	BF	10.0	10.0		mg/L
022025NSD1604	SD-1604	N	SW-846 6010D	Beryllium	T	0.43	J	RL	0.16	1.0		ug/L
022025NSD1604	SD-1604	N	SW-846 6010D	Chromium	T	1.1	J	RL	0.63	5.0		ug/L
022025NSD1604	SD-1604	N	SW-846 6010D	Copper	T	0.89	J	RL	0.62	5.0		ug/L
022025NSD1604	SD-1604	N	SW-846 6010D	Nickel	T	2.6	J	RL	0.88	5.0		ug/L
022025NSD1604	SD-1604	N	SW-846 6010D	Zinc	T	3.5	J	RL	3.0	10.0		ug/L
022025NDFDDUPLICATE	SD-1604	FD	SM 2540C	Total Dissolved Solids	N	342	J+	BF	10.0	10.0		mg/L
022025NDFDDUPLICATE	SD-1604	FD	SW-846 6010D	Beryllium	T	0.42	J	RL	0.16	1.0		ug/L
022025NDFDDUPLICATE	SD-1604	FD	SW-846 6010D	Nickel	T	0.94	J	RL	0.88	5.0		ug/L
021825NED1612	ED-1612	N	CALC	Combined Radium	N	0.710	J	LD,S			0.359	pCi/L
021825NED1612	ED-1612	N	SW-846 9320	RADIUM-228	N	0.500	J	LD	0.449	0.449	0.262	pCi/L
021825NED1D	ED-1D	N	CALC	Combined Radium	N	1.67	J+	Y			0.746	pCi/L
021825NED1D	ED-1D	N	SW-846 9320	RADIUM-228	N	1.37	J+	Y	1.27	1.27	0.725	pCi/L
021825NED9R2	ED-9R2	N	CALC	Combined Radium	N	2.16	J	LD,S			0.392	pCi/L
021825NED9R2	ED-9R2	N	SW-846 9320	RADIUM-228	N	1.90	J	LD	0.398	0.398	0.261	pCi/L
021825NED1605	ED-1605	N	CALC	Combined Radium	N	3.73	J	LD			0.684	pCi/L
021825NED1605	ED-1605	N	SW-846 9320	RADIUM-228	N	2.47	J	LD	0.819	0.819	0.503	pCi/L
021825NSD1603	SD-1603	N	CALC	Combined Radium	N	1.79	J	LD,Y			0.536	pCi/L
021825NSD1603	SD-1603	N	SW-846 9315	Radium-226	N	0.681	J+	Y	0.396	0.396	0.351	pCi/L
021825NSD1603	SD-1603	N	SW-846 9320	RADIUM-228	N	1.10	J	LD,Y	0.684	0.684	0.405	pCi/L
021825NDFBBLANK	Field Blank	FB	CALC	Combined Radium	N	0.000	U	S			0.445	pCi/L
022025NED1606	ED-1606	N	CALC	Combined Radium	N	2.94	J	LD,Y			0.500	pCi/L
022025NED1606	ED-1606	N	SW-846 9320	RADIUM-228	N	2.06	J	LD,Y	0.440	0.440	0.287	pCi/L
022025NSD1604	SD-1604	N	CALC	Combined Radium	N	1.87	J	LD			0.466	pCi/L
022025NSD1604	SD-1604	N	SW-846 9320	RADIUM-228	N	1.30	J	LD	0.515	0.515	0.315	pCi/L
022025NDFDDUPLICATE	SD-1604	FD	CALC	Combined Radium	N	2.05	J	LD			0.475	pCi/L
022025NDFDDUPLICATE	SD-1604	FD	SW-846 9320	RADIUM-228	N	1.09	J	LD	0.413	0.413	0.254	pCi/L

Data Qualifiers

U	The analyte was not detected above the level of the sample reporting limit.
J	Quantitation is approximate due to limitations identified during data validation.
J+	The result is an estimated quantity; the result may be biased high.
J-	The result is an estimated quantity; the result may be biased low.
UJ	The analyte was not detected; the reporting limit is approximate and may be inaccurate or imprecise.
R	Unreliable positive result; analyte may or may not be present in sample.
Reason Codes and Explanations	
BE	Equipment blank contamination.
BF	Field blank contamination.
BL	Laboratory blank contamination.
BN	Negative laboratory blank contamination.
FD	Field duplicate imprecision.
FG	Total versus Dissolved Imprecision.
H	Holding time exceeded.
L	LCS and LCSD recoveries outside of acceptance limits
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits
MP	MS/MSD imprecision.
Q	Chemical Preservation issue.
RL	Reported Results between the MDL and QL.
S	Radium-226+228 flagged due to reporting protocol for combined results
T	Temperature preservation issue.
X	Percent solids < 30%.
Y	Chemical yield outside of acceptance limits
ZZ	Other

Facility: Possum Point Power Station
SDG: 92780474

Lab Sample ID	92780474001
Sys Sample Code	021825NED1612
Sample Name	021825NED1612
Sample Date	2/18/2025 3:15:00 PM
Location	PP-APD-ED-1612 / ED-1612
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SM 2340B	Hardness, Total(SM 2340B)	HARD	N	ug/L	37500				36.8	36.8	662	Y	Yes	1	NA
SM 2540C	Total Dissolved Solids	TDS	N	mg/L		U	BF		114	114	114	N	Yes	1	NA
SW-846 6010D	Antimony	7440-36-0	T	ug/L		U			3.6	3.6	5.0	N	Yes	1	NA
	Arsenic	7440-38-2	T	ug/L		U			2.5	2.5	10.0	N	Yes	1	NA
	Barium	7440-39-3	T	ug/L	30.0				0.79	0.79	5.0	Y	Yes	1	NA
	Beryllium	7440-41-7	T	ug/L		U			0.16	0.16	1.0	N	Yes	1	NA
	Boron	7440-42-8	T	ug/L		U	BF		17.3	17.3	50.0	N	Yes	1	NA
	Cadmium	7440-43-9	T	ug/L		U			0.29	0.29	1.0	N	Yes	1	NA
	Calcium	7440-70-2	T	ug/L	9630				14.7	14.7	100	Y	Yes	1	NA
	Chromium	7440-47-3	T	ug/L		U			0.63	0.63	5.0	N	Yes	1	NA
	Copper	7440-50-8	T	ug/L	0.63	J	RL		0.62	0.62	5.0	Y	Yes	1	NA
	Molybdenum	7439-98-7	T	ug/L	4.6	J	RL		2.6	2.6	5.0	Y	Yes	1	NA
	Nickel	7440-02-0	T	ug/L	0.90	J	RL		0.88	0.88	5.0	Y	Yes	1	NA
	Silver	7440-22-4	T	ug/L		U			0.49	0.49	5.0	N	Yes	1	NA
	Vanadium	7440-62-2	T	ug/L		U			1.6	1.6	5.0	N	Yes	1	NA
	Zinc	7440-66-6	T	ug/L		U			3.0	3.0	10.0	N	Yes	1	NA
SW-846 6010D	Selenium	7782-49-2	T	ug/L		U			4.1	4.1	10.0	N	Yes	1	NA
SW-846 6020B	Cobalt	7440-48-4	T	ug/L	0.21	J	RL		0.14	0.14	1.0	Y	Yes	1	NA
	Iron	7439-89-6	T	ug/L	894	J	M,MP		3.0	3.0	20.0	Y	Yes	1	NA
	Lead	7439-92-1	T	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium	7439-93-2	T	ug/L	10.6				0.33	0.33	2.5	Y	Yes	1	NA
	Manganese	7439-96-5	T	ug/L	119				0.24	0.24	2.0	Y	Yes	1	NA
	Potassium	7440-09-7	T	ug/L	7230				18.0	18.0	100	Y	Yes	1	NA
	Sodium	7440-23-5	T	ug/L	11900				14.4	14.4	250	Y	Yes	1	NA
	Thallium	7440-28-0	T	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Tin	7440-31-5	T	ug/L		U			0.14	0.14	1.0	N	Yes	1	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L		U			0.0043	0.0043	0.025	N	Yes	1	NA
SW-846 7470A	Mercury	7439-97-6	T	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA

Lab Sample ID	92780474001
Sys Sample Code	021825NED1612
Sample Name	021825NED1612
Sample Date	2/18/2025 3:15:00 PM
Location	PP-APD-ED-1612 / ED-1612
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SW-846 9056A	Chloride	16887-00-6	N	mg/L	1.9	J-	M		0.60	0.60	1.0	Y	Yes	1	NA
	Fluoride	16984-48-8	N	mg/L	0.43				0.050	0.050	0.10	Y	Yes	1	NA
	Sulfate	14808-79-8	N	mg/L	6.7				0.50	0.50	1.0	Y	Yes	1	NA
SW-846 9060A	Mean Total Organic Carbon	TOC	N	mg/L		U			0.50	0.50	1.0	N	Yes	1	NA
SW-846 9066	Phenolics, Total Recoverable	PHENOLICS	N	mg/L		U			0.0115	0.0115	0.0400	N	Yes	1	NA

Lab Sample ID	92780474002
Sys Sample Code	021825NED1D
Sample Name	021825NED1D
Sample Date	2/18/2025 5:45:00 PM
Location	PP-APD-ED-01D / ED-1D
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SM 2340B	Hardness, Total(SM 2340B)	HARD	N	ug/L	61300				36.8	36.8	662	Y	Yes	1	NA
SM 2540C	Total Dissolved Solids	TDS	N	mg/L	196	J+	BF		10.0	10.0	10.0	Y	Yes	1	NA
SW-846 6010D	Antimony	7440-36-0	T	ug/L		U			3.6	3.6	5.0	N	Yes	1	NA
	Arsenic	7440-38-2	T	ug/L		U			2.5	2.5	10.0	N	Yes	1	NA
	Barium	7440-39-3	T	ug/L	37.1				0.79	0.79	5.0	Y	Yes	1	NA
	Beryllium	7440-41-7	T	ug/L	1.3				0.16	0.16	1.0	Y	Yes	1	NA
	Boron	7440-42-8	T	ug/L	642				4.0	4.0	50.0	Y	Yes	1	NA
	Cadmium	7440-43-9	T	ug/L		U			0.29	0.29	1.0	N	Yes	1	NA
	Calcium	7440-70-2	T	ug/L	12300				14.7	14.7	100	Y	Yes	1	NA
	Chromium	7440-47-3	T	ug/L	0.65	J	RL		0.63	0.63	5.0	Y	Yes	1	NA
	Copper	7440-50-8	T	ug/L	3.3	J	RL		0.62	0.62	5.0	Y	Yes	1	NA
	Molybdenum	7439-98-7	T	ug/L		U			2.6	2.6	5.0	N	Yes	1	NA
	Nickel	7440-02-0	T	ug/L	7.2				0.88	0.88	5.0	Y	Yes	1	NA
	Silver	7440-22-4	T	ug/L		U			0.49	0.49	5.0	N	Yes	1	NA
	Vanadium	7440-62-2	T	ug/L		U			1.6	1.6	5.0	N	Yes	1	NA
	Zinc	7440-66-6	T	ug/L	9.2	J	RL		3.0	3.0	10.0	Y	Yes	1	NA
SW-846 6010D	Selenium	7782-49-2	T	ug/L		U			4.1	4.1	10.0	N	Yes	1	NA
SW-846 6020B	Cobalt	7440-48-4	T	ug/L	3.5	J	RL		0.71	0.71	5.0	Y	Yes	5	NA
	Iron	7439-89-6	T	ug/L		U			14.9	14.9	100	N	Yes	5	NA
	Lead	7439-92-1	T	ug/L		U			0.88	0.88	5.0	N	Yes	5	NA
	Lithium	7439-93-2	T	ug/L	7.8	J	RL		1.7	1.7	12.5	Y	Yes	5	NA
	Manganese	7439-96-5	T	ug/L	73.2				1.2	1.2	10.0	Y	Yes	5	NA
	Potassium	7440-09-7	T	ug/L	6420				90.1	90.1	500	Y	Yes	5	NA
	Sodium	7440-23-5	T	ug/L	25500				72.0	72.0	1250	Y	Yes	5	NA
	Thallium	7440-28-0	T	ug/L		U			0.14	0.14	1.0	N	Yes	5	NA
	Tin	7440-31-5	T	ug/L		U			0.72	0.72	5.0	N	Yes	5	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L	0.44	J+	M		0.022	0.022	0.12	Y	Yes	5	NA
SW-846 7470A	Mercury	7439-97-6	T	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA
SW-846 9056A	Chloride	16887-00-6	N	mg/L	54.9	J-	M		0.60	0.60	1.0	Y	Yes	1	NA

Facility: Possum Point Power Station
SDG: 92780474

Lab Sample ID	92780474002
Sys Sample Code	021825NED1D
Sample Name	021825NED1D
Sample Date	2/18/2025 5:45:00 PM
Location	PP-APD-ED-01D / ED-1D
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SW-846 9056A	Fluoride	16984-48-8	N	mg/L	0.052	J	RL		0.050	0.050	0.10	Y	Yes	1	NA
	Sulfate	14808-79-8	N	mg/L	43.2				0.50	0.50	1.0	Y	Yes	1	NA
SW-846 9060A	Mean Total Organic Carbon	TOC	N	mg/L		U			0.50	0.50	1.0	N	Yes	1	NA
SW-846 9066	Phenolics, Total Recoverable	PHENOLICS	N	mg/L		U			0.0115	0.0115	0.0400	N	Yes	1	NA

Lab Sample ID	92780474003
Sys Sample Code	021825NED9R2
Sample Name	021825NED9R2
Sample Date	2/18/2025 3:48:00 PM
Location	PP-APD-ED-09R2 / ED-9R2
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SM 2340B	Hardness, Total(SM 2340B)	HARD	N	ug/L	222000				36.8	36.8	662	Y	Yes	1	NA
SM 2540C	Total Dissolved Solids	TDS	N	mg/L	398	J+	BF		10.0	10.0	10.0	Y	Yes	1	NA
SW-846 6010D	Antimony	7440-36-0	T	ug/L		U			3.6	3.6	5.0	N	Yes	1	NA
	Arsenic	7440-38-2	T	ug/L		U			2.5	2.5	10.0	N	Yes	1	NA
	Barium	7440-39-3	T	ug/L	28.7				0.79	0.79	5.0	Y	Yes	1	NA
	Beryllium	7440-41-7	T	ug/L		U			0.16	0.16	1.0	N	Yes	1	NA
	Boron	7440-42-8	T	ug/L	55.4				4.0	4.0	50.0	Y	Yes	1	NA
	Cadmium	7440-43-9	T	ug/L		U			0.29	0.29	1.0	N	Yes	1	NA
	Calcium	7440-70-2	T	ug/L	52300				14.7	14.7	100	Y	Yes	1	NA
	Chromium	7440-47-3	T	ug/L	0.83	J	RL		0.63	0.63	5.0	Y	Yes	1	NA
	Copper	7440-50-8	T	ug/L	2.0	J	RL		0.62	0.62	5.0	Y	Yes	1	NA
	Molybdenum	7439-98-7	T	ug/L		U			2.6	2.6	5.0	N	Yes	1	NA
	Nickel	7440-02-0	T	ug/L	14.6				0.88	0.88	5.0	Y	Yes	1	NA
	Silver	7440-22-4	T	ug/L		U			0.49	0.49	5.0	N	Yes	1	NA
	Vanadium	7440-62-2	T	ug/L		U			1.6	1.6	5.0	N	Yes	1	NA
	Zinc	7440-66-6	T	ug/L	3.5	J	RL		3.0	3.0	10.0	Y	Yes	1	NA
SW-846 6010D	Selenium	7782-49-2	T	ug/L		U			4.1	4.1	10.0	N	Yes	1	NA
SW-846 6020B	Cobalt	7440-48-4	T	ug/L	0.34	J	RL		0.14	0.14	1.0	Y	Yes	1	NA
	Iron	7439-89-6	T	ug/L	46.8	J	BL,M,MP		3.0	3.0	20.0	Y	Yes	1	NA
	Lead	7439-92-1	T	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium	7439-93-2	T	ug/L	29.6				0.33	0.33	2.5	Y	Yes	1	NA
	Manganese	7439-96-5	T	ug/L	22.9				0.24	0.24	2.0	Y	Yes	1	NA
	Potassium	7440-09-7	T	ug/L	15500				18.0	18.0	100	Y	Yes	1	NA
	Sodium	7440-23-5	T	ug/L	5260				14.4	14.4	250	Y	Yes	1	NA
	Thallium	7440-28-0	T	ug/L	0.041	J	RL		0.028	0.028	0.20	Y	Yes	1	NA
	Tin	7440-31-5	T	ug/L		U			0.14	0.14	1.0	N	Yes	1	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L	0.50	J	H,M		0.022	0.022	0.12	Y	Yes	5	NA
SW-846 7470A	Mercury	7439-97-6	T	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA

Lab Sample ID	92780474003
Sys Sample Code	021825NED9R2
Sample Name	021825NED9R2
Sample Date	2/18/2025 3:48:00 PM
Location	PP-APD-ED-09R2 / ED-9R2
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SW-846 9056A	Sulfate	14808-79-8	N	mg/L	138				2.0	2.0	4.0	Y	Yes	4	NA
SW-846 9056A	Chloride	16887-00-6	N	mg/L	47.3	J-	M		0.60	0.60	1.0	Y	Yes	1	NA
	Fluoride	16984-48-8	N	mg/L	0.069	J	RL		0.050	0.050	0.10	Y	Yes	1	NA
SW-846 9060A	Mean Total Organic Carbon	TOC	N	mg/L		U			0.50	0.50	1.0	N	Yes	1	NA
SW-846 9066	Phenolics, Total Recoverable	PHENOLICS	N	mg/L		U			0.0115	0.0115	0.0400	N	Yes	1	NA

Lab Sample ID	92780474004
Sys Sample Code	021825NED1605
Sample Name	021825NED1605
Sample Date	2/18/2025 1:10:00 PM
Location	PP-APD-ED-1605 / ED-1605
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SM 2340B	Hardness, Total(SM 2340B)	HARD	N	ug/L	137000				36.8	36.8	662	Y	Yes	1	NA
SM 2540C	Total Dissolved Solids	TDS	N	mg/L	317	J+	BF		10.0	10.0	10.0	Y	Yes	1	NA
SW-846 6010D	Antimony	7440-36-0	T	ug/L		U			3.6	3.6	5.0	N	Yes	1	NA
	Arsenic	7440-38-2	T	ug/L		U			2.5	2.5	10.0	N	Yes	1	NA
	Barium	7440-39-3	T	ug/L	48.9				0.79	0.79	5.0	Y	Yes	1	NA
	Beryllium	7440-41-7	T	ug/L	2.7				0.16	0.16	1.0	Y	Yes	1	NA
	Boron	7440-42-8	T	ug/L	706				4.0	4.0	50.0	Y	Yes	1	NA
	Cadmium	7440-43-9	T	ug/L		U			0.29	0.29	1.0	N	Yes	1	NA
	Calcium	7440-70-2	T	ug/L	29300				14.7	14.7	100	Y	Yes	1	NA
	Chromium	7440-47-3	T	ug/L	0.75	J	RL		0.63	0.63	5.0	Y	Yes	1	NA
	Copper	7440-50-8	T	ug/L	4.6	J	RL		0.62	0.62	5.0	Y	Yes	1	NA
	Molybdenum	7439-98-7	T	ug/L		U			2.6	2.6	5.0	N	Yes	1	NA
	Nickel	7440-02-0	T	ug/L	11.3				0.88	0.88	5.0	Y	Yes	1	NA
	Silver	7440-22-4	T	ug/L		U			0.49	0.49	5.0	N	Yes	1	NA
	Vanadium	7440-62-2	T	ug/L		U			1.6	1.6	5.0	N	Yes	1	NA
	Zinc	7440-66-6	T	ug/L	12.7				3.0	3.0	10.0	Y	Yes	1	NA
SW-846 6010D	Selenium	7782-49-2	T	ug/L		U			4.1	4.1	10.0	N	Yes	1	NA
SW-846 6020B	Cobalt	7440-48-4	T	ug/L	7.0				0.14	0.14	1.0	Y	Yes	1	NA
	Iron	7439-89-6	T	ug/L		U	BL,M,MP		32.6	32.6	32.6	N	Yes	1	NA
	Lead	7439-92-1	T	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium	7439-93-2	T	ug/L	19.8				0.33	0.33	2.5	Y	Yes	1	NA
	Potassium	7440-09-7	T	ug/L	18300				18.0	18.0	100	Y	Yes	1	NA
	Sodium	7440-23-5	T	ug/L	15800				14.4	14.4	250	Y	Yes	1	NA
	Thallium	7440-28-0	T	ug/L	0.077	J	RL		0.028	0.028	0.20	Y	Yes	1	NA
	Tin	7440-31-5	T	ug/L		U			0.14	0.14	1.0	N	Yes	1	NA
SW-846 6020B	Manganese	7439-96-5	T	ug/L	974				2.4	2.4	20.0	Y	Yes	10	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L	0.32	J+	M		0.0086	0.0086	0.050	Y	Yes	2	NA
SW-846 7470A	Mercury	7439-97-6	T	ug/L	0.12	J	RL		0.12	0.12	0.20	Y	Yes	1	NA

Lab Sample ID	92780474004
Sys Sample Code	021825NED1605
Sample Name	021825NED1605
Sample Date	2/18/2025 1:10:00 PM
Location	PP-APD-ED-1605 / ED-1605
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SW-846 9056A	Chloride	16887-00-6	N	mg/L	42.5	J-	M		0.60	0.60	1.0	Y	Yes	1	NA
	Fluoride	16984-48-8	N	mg/L	0.053	J	RL		0.050	0.050	0.10	Y	Yes	1	NA
	Sulfate	14808-79-8	N	mg/L	40.4				0.50	0.50	1.0	Y	Yes	1	NA
SW-846 9060A	Mean Total Organic Carbon	TOC	N	mg/L	0.57	J	RL		0.50	0.50	1.0	Y	Yes	1	NA
SW-846 9066	Phenolics, Total Recoverable	PHENOLICS	N	mg/L		U			0.0115	0.0115	0.0400	N	Yes	1	NA

Lab Sample ID	92780474005
Sys Sample Code	021825NSD1603
Sample Name	021825NSD1603
Sample Date	2/18/2025 3:35:00 PM
Location	PP-APD-SD-1603 / SD-1603
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SM 2340B	Hardness, Total(SM 2340B)	HARD	N	ug/L	152000				36.8	36.8	662	Y	Yes	1	NA
SM 2540C	Total Dissolved Solids	TDS	N	mg/L	337	J+	BF		10.0	10.0	10.0	Y	Yes	1	NA
SW-846 6010D	Antimony	7440-36-0	T	ug/L		U			3.6	3.6	5.0	N	Yes	1	NA
	Arsenic	7440-38-2	T	ug/L		U			2.5	2.5	10.0	N	Yes	1	NA
	Barium	7440-39-3	T	ug/L	110				0.79	0.79	5.0	Y	Yes	1	NA
	Beryllium	7440-41-7	T	ug/L	0.59	J	RL		0.16	0.16	1.0	Y	Yes	1	NA
	Boron	7440-42-8	T	ug/L	805				4.0	4.0	50.0	Y	Yes	1	NA
	Cadmium	7440-43-9	T	ug/L		U			0.29	0.29	1.0	N	Yes	1	NA
	Calcium	7440-70-2	T	ug/L	32000				14.7	14.7	100	Y	Yes	1	NA
	Chromium	7440-47-3	T	ug/L		U			0.63	0.63	5.0	N	Yes	1	NA
	Copper	7440-50-8	T	ug/L	2.3	J	RL		0.62	0.62	5.0	Y	Yes	1	NA
	Molybdenum	7439-98-7	T	ug/L		U			2.6	2.6	5.0	N	Yes	1	NA
	Nickel	7440-02-0	T	ug/L	5.2				0.88	0.88	5.0	Y	Yes	1	NA
	Silver	7440-22-4	T	ug/L		U			0.49	0.49	5.0	N	Yes	1	NA
	Vanadium	7440-62-2	T	ug/L		U			1.6	1.6	5.0	N	Yes	1	NA
	Zinc	7440-66-6	T	ug/L	14.4				3.0	3.0	10.0	Y	Yes	1	NA
SW-846 6010D	Selenium	7782-49-2	T	ug/L		U			4.1	4.1	10.0	N	Yes	1	NA
SW-846 6020B	Cobalt	7440-48-4	T	ug/L	1.8				0.14	0.14	1.0	Y	Yes	1	NA
	Iron	7439-89-6	T	ug/L	8960	J	M,MP		3.0	3.0	20.0	Y	Yes	1	NA
	Lead	7439-92-1	T	ug/L	0.33	J	RL		0.18	0.18	1.0	Y	Yes	1	NA
	Lithium	7439-93-2	T	ug/L	24.3				0.33	0.33	2.5	Y	Yes	1	NA
	Potassium	7440-09-7	T	ug/L	13300				18.0	18.0	100	Y	Yes	1	NA
	Sodium	7440-23-5	T	ug/L	4170				14.4	14.4	250	Y	Yes	1	NA
	Thallium	7440-28-0	T	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Tin	7440-31-5	T	ug/L		U			0.14	0.14	1.0	N	Yes	1	NA
SW-846 6020B	Manganese	7439-96-5	T	ug/L	599				2.4	2.4	20.0	Y	Yes	10	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L		U			0.0043	0.0043	0.025	N	Yes	1	NA
SW-846 7470A	Mercury	7439-97-6	T	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA

Lab Sample ID	92780474005
Sys Sample Code	021825NSD1603
Sample Name	021825NSD1603
Sample Date	2/18/2025 3:35:00 PM
Location	PP-APD-SD-1603 / SD-1603
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SW-846 9056A	Chloride	16887-00-6	N	mg/L	76.7	J-	M		0.60	0.60	1.0	Y	Yes	1	NA
	Fluoride	16984-48-8	N	mg/L	0.059	J	RL		0.050	0.050	0.10	Y	Yes	1	NA
	Sulfate	14808-79-8	N	mg/L	41.5				0.50	0.50	1.0	Y	Yes	1	NA
SW-846 9060A	Mean Total Organic Carbon	TOC	N	mg/L		U			0.50	0.50	1.0	N	Yes	1	NA
SW-846 9066	Phenolics, Total Recoverable	PHENOLICS	N	mg/L		U			0.0115	0.0115	0.0400	N	Yes	1	NA

Lab Sample ID	92780474006
Sys Sample Code	021825NDFBBLANK
Sample Name	021825NDFBBLANK
Sample Date	2/18/2025 2:10:00 PM
Location	PP-FB / Field Blank
Sample Type	FB
Matrix	AQ
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SM 2340B	Hardness, Total(SM 2340B)	HARD	N	ug/L		U			36.8	36.8	662	N	Yes	1	NA
SM 2540C	Total Dissolved Solids	TDS	N	mg/L	65.2				10.0	10.0	10.0	Y	Yes	1	NA
SW-846 6010D	Antimony	7440-36-0	T	ug/L		U			3.6	3.6	5.0	N	Yes	1	NA
	Arsenic	7440-38-2	T	ug/L		U			2.5	2.5	10.0	N	Yes	1	NA
	Barium	7440-39-3	T	ug/L		U			0.79	0.79	5.0	N	Yes	1	NA
	Beryllium	7440-41-7	T	ug/L		U			0.16	0.16	1.0	N	Yes	1	NA
	Boron	7440-42-8	T	ug/L	4.4	J	RL		4.0	4.0	50.0	Y	Yes	1	NA
	Cadmium	7440-43-9	T	ug/L		U			0.29	0.29	1.0	N	Yes	1	NA
	Calcium	7440-70-2	T	ug/L		U			14.7	14.7	100	N	Yes	1	NA
	Chromium	7440-47-3	T	ug/L		U			0.63	0.63	5.0	N	Yes	1	NA
	Copper	7440-50-8	T	ug/L		U			0.62	0.62	5.0	N	Yes	1	NA
	Molybdenum	7439-98-7	T	ug/L		U			2.6	2.6	5.0	N	Yes	1	NA
	Nickel	7440-02-0	T	ug/L		U			0.88	0.88	5.0	N	Yes	1	NA
	Silver	7440-22-4	T	ug/L		U			0.49	0.49	5.0	N	Yes	1	NA
	Vanadium	7440-62-2	T	ug/L		U			1.6	1.6	5.0	N	Yes	1	NA
	Zinc	7440-66-6	T	ug/L		U			3.0	3.0	10.0	N	Yes	1	NA
SW-846 6010D	Selenium	7782-49-2	T	ug/L		U			4.1	4.1	10.0	N	Yes	1	NA
SW-846 6020B	Cobalt	7440-48-4	T	ug/L		U			0.14	0.14	1.0	N	Yes	1	NA
	Iron	7439-89-6	T	ug/L		U			3.0	3.0	20.0	N	Yes	1	NA
	Lead	7439-92-1	T	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium	7439-93-2	T	ug/L		U			0.33	0.33	2.5	N	Yes	1	NA
	Manganese	7439-96-5	T	ug/L		U			0.24	0.24	2.0	N	Yes	1	NA
	Potassium	7440-09-7	T	ug/L		U			18.0	18.0	100	N	Yes	1	NA
	Sodium	7440-23-5	T	ug/L		U			14.4	14.4	250	N	Yes	1	NA
	Thallium	7440-28-0	T	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Tin	7440-31-5	T	ug/L		U			0.14	0.14	1.0	N	Yes	1	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L		U			0.0043	0.0043	0.025	N	Yes	1	NA
SW-846 7470A	Mercury	7439-97-6	T	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA
SW-846 9056A	Chloride	16887-00-6	N	mg/L		U			0.60	0.60	1.0	N	Yes	1	NA

Lab Sample ID	92780474006
Sys Sample Code	021825NDFBBLANK
Sample Name	021825NDFBBLANK
Sample Date	2/18/2025 2:10:00 PM
Location	PP-FB / Field Blank
Sample Type	FB
Matrix	AQ
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SW-846 9056A	Fluoride	16984-48-8	N	mg/L		U			0.050	0.050	0.10	N	Yes	1	NA
	Sulfate	14808-79-8	N	mg/L		U			0.50	0.50	1.0	N	Yes	1	NA
SW-846 9060A	Mean Total Organic Carbon	TOC	N	mg/L		U			0.50	0.50	1.0	N	Yes	1	NA
SW-846 9066	Phenolics, Total Recoverable	PHENOLICS	N	mg/L		U			0.0115	0.0115	0.0400	N	Yes	1	NA

Lab Sample ID	92780474007
Sys Sample Code	022025NED1606
Sample Name	022025NED1606
Sample Date	2/20/2025 2:15:00 PM
Location	PP-APD-ED-1606 / ED-1606
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SM 2340B	Hardness, Total(SM 2340B)	HARD	N	ug/L	92400				36.8	36.8	662	Y	Yes	1	NA
SM 2540C	Total Dissolved Solids	TDS	N	mg/L		U	BF		120	120	120	N	Yes	1	NA
SW-846 6010D	Antimony	7440-36-0	T	ug/L		U			3.6	3.6	5.0	N	Yes	1	NA
	Arsenic	7440-38-2	T	ug/L		U			2.5	2.5	10.0	N	Yes	1	NA
	Barium	7440-39-3	T	ug/L	33.1				0.79	0.79	5.0	Y	Yes	1	NA
	Beryllium	7440-41-7	T	ug/L	1.7				0.16	0.16	1.0	Y	Yes	1	NA
	Boron	7440-42-8	T	ug/L	936				4.0	4.0	50.0	Y	Yes	1	NA
	Cadmium	7440-43-9	T	ug/L		U			0.29	0.29	1.0	N	Yes	1	NA
	Calcium	7440-70-2	T	ug/L	19200				14.7	14.7	100	Y	Yes	1	NA
	Chromium	7440-47-3	T	ug/L	1.8	J	RL		0.63	0.63	5.0	Y	Yes	1	NA
	Copper	7440-50-8	T	ug/L	5.8				0.62	0.62	5.0	Y	Yes	1	NA
	Molybdenum	7439-98-7	T	ug/L		U			2.6	2.6	5.0	N	Yes	1	NA
	Nickel	7440-02-0	T	ug/L	8.4				0.88	0.88	5.0	Y	Yes	1	NA
	Silver	7440-22-4	T	ug/L		U			0.49	0.49	5.0	N	Yes	1	NA
	Vanadium	7440-62-2	T	ug/L		U			1.6	1.6	5.0	N	Yes	1	NA
	Zinc	7440-66-6	T	ug/L	8.3	J	RL		3.0	3.0	10.0	Y	Yes	1	NA
SW-846 6010D	Selenium	7782-49-2	T	ug/L		U			4.1	4.1	10.0	N	Yes	1	NA
SW-846 6020B	Cobalt	7440-48-4	T	ug/L	2.0				0.14	0.14	1.0	Y	Yes	1	NA
	Iron	7439-89-6	T	ug/L	292				3.0	3.0	20.0	Y	Yes	1	NA
	Lead	7439-92-1	T	ug/L	0.35	J	RL		0.18	0.18	1.0	Y	Yes	1	NA
	Lithium	7439-93-2	T	ug/L	7.1				0.33	0.33	2.5	Y	Yes	1	NA
	Manganese	7439-96-5	T	ug/L	169				0.24	0.24	2.0	Y	Yes	1	NA
	Potassium	7440-09-7	T	ug/L	9260				18.0	18.0	100	Y	Yes	1	NA
	Thallium	7440-28-0	T	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Tin	7440-31-5	T	ug/L	0.15	J	RL		0.14	0.14	1.0	Y	Yes	1	NA
SW-846 6020B	Sodium	7440-23-5	T	ug/L	31500				144	144	2500	Y	Yes	10	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L	0.96				0.022	0.022	0.12	Y	Yes	5	NA
SW-846 7470A	Mercury	7439-97-6	T	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA

Lab Sample ID	92780474007
Sys Sample Code	022025NED1606
Sample Name	022025NED1606
Sample Date	2/20/2025 2:15:00 PM
Location	PP-APD-ED-1606 / ED-1606
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SW-846 9056A	Chloride	16887-00-6	N	mg/L	79.9				0.60	0.60	1.0	Y	Yes	1	NA
	Fluoride	16984-48-8	N	mg/L		U			0.050	0.050	0.10	N	Yes	1	NA
	Sulfate	14808-79-8	N	mg/L	58.5				0.50	0.50	1.0	Y	Yes	1	NA
SW-846 9060A	Mean Total Organic Carbon	TOC	N	mg/L		U			0.50	0.50	1.0	N	Yes	1	NA
SW-846 9066	Phenolics, Total Recoverable	PHENOLICS	N	mg/L		U			0.0115	0.0115	0.0400	N	Yes	1	NA

Lab Sample ID	92780474008
Sys Sample Code	022025NSD1604
Sample Name	022025NSD1604
Sample Date	2/20/2025 2:10:00 PM
Location	PP-APD-SD-1604 / SD-1604
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SM 2340B	Hardness, Total(SM 2340B)	HARD	N	ug/L	134000				36.8	36.8	662	Y	Yes	1	NA
SM 2540C	Total Dissolved Solids	TDS	N	mg/L	348	J+	BF		10.0	10.0	10.0	Y	Yes	1	NA
SW-846 6010D	Antimony	7440-36-0	T	ug/L		U			3.6	3.6	5.0	N	Yes	1	NA
	Arsenic	7440-38-2	T	ug/L		U			2.5	2.5	10.0	N	Yes	1	NA
	Barium	7440-39-3	T	ug/L	107				0.79	0.79	5.0	Y	Yes	1	NA
	Beryllium	7440-41-7	T	ug/L	0.43	J	RL		0.16	0.16	1.0	Y	Yes	1	NA
	Boron	7440-42-8	T	ug/L	1250				4.0	4.0	50.0	Y	Yes	1	NA
	Cadmium	7440-43-9	T	ug/L		U			0.29	0.29	1.0	N	Yes	1	NA
	Calcium	7440-70-2	T	ug/L	28300				14.7	14.7	100	Y	Yes	1	NA
	Chromium	7440-47-3	T	ug/L	1.1	J	RL		0.63	0.63	5.0	Y	Yes	1	NA
	Copper	7440-50-8	T	ug/L	0.89	J	RL		0.62	0.62	5.0	Y	Yes	1	NA
	Molybdenum	7439-98-7	T	ug/L		U			2.6	2.6	5.0	N	Yes	1	NA
	Nickel	7440-02-0	T	ug/L	2.6	J	RL		0.88	0.88	5.0	Y	Yes	1	NA
	Silver	7440-22-4	T	ug/L		U			0.49	0.49	5.0	N	Yes	1	NA
	Vanadium	7440-62-2	T	ug/L		U			1.6	1.6	5.0	N	Yes	1	NA
	Zinc	7440-66-6	T	ug/L	3.5	J	RL		3.0	3.0	10.0	Y	Yes	1	NA
SW-846 6010D	Selenium	7782-49-2	T	ug/L		U			4.1	4.1	10.0	N	Yes	1	NA
SW-846 6020B	Cobalt	7440-48-4	T	ug/L		U			0.14	0.14	1.0	N	Yes	1	NA
	Lead	7439-92-1	T	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium	7439-93-2	T	ug/L	13.4				0.33	0.33	2.5	Y	Yes	1	NA
	Potassium	7440-09-7	T	ug/L	12600				18.0	18.0	100	Y	Yes	1	NA
	Sodium	7440-23-5	T	ug/L	17400				14.4	14.4	250	Y	Yes	1	NA
	Thallium	7440-28-0	T	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Tin	7440-31-5	T	ug/L		U			0.14	0.14	1.0	N	Yes	1	NA
SW-846 6020B	Iron	7439-89-6	T	ug/L	13000				29.8	29.8	200	Y	Yes	10	NA
	Manganese	7439-96-5	T	ug/L	878				2.4	2.4	20.0	Y	Yes	10	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L		U			0.0043	0.0043	0.025	N	Yes	1	NA
SW-846 7470A	Mercury	7439-97-6	T	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA

Lab Sample ID	92780474008
Sys Sample Code	022025NSD1604
Sample Name	022025NSD1604
Sample Date	2/20/2025 2:10:00 PM
Location	PP-APD-SD-1604 / SD-1604
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SW-846 9056A	Chloride	16887-00-6	N	mg/L	93.8				0.60	0.60	1.0	Y	Yes	1	NA
	Fluoride	16984-48-8	N	mg/L		U			0.050	0.050	0.10	N	Yes	1	NA
	Sulfate	14808-79-8	N	mg/L	76.7				0.50	0.50	1.0	Y	Yes	1	NA
SW-846 9060A	Mean Total Organic Carbon	TOC	N	mg/L		U			0.50	0.50	1.0	N	Yes	1	NA
SW-846 9066	Phenolics, Total Recoverable	PHENOLICS	N	mg/L		U			0.0115	0.0115	0.0400	N	Yes	1	NA

Lab Sample ID	92780474009
Sys Sample Code	022025NDFDDUPLICATE
Sample Name	022025NDFDDUPLICATE
Sample Date	2/20/2025 2:15:00 PM
Location	PP-APD-SD-1604 / SD-1604
Sample Type	FD
Matrix	GW
Parent Sample	022025NSD1604
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SM 2340B	Hardness, Total(SM 2340B)	HARD	N	ug/L	136000				36.8	36.8	662	Y	Yes	1	NA
SM 2540C	Total Dissolved Solids	TDS	N	mg/L	342	J+	BF		10.0	10.0	10.0	Y	Yes	1	NA
SW-846 6010D	Antimony	7440-36-0	T	ug/L		U			3.6	3.6	5.0	N	Yes	1	NA
	Arsenic	7440-38-2	T	ug/L		U			2.5	2.5	10.0	N	Yes	1	NA
	Barium	7440-39-3	T	ug/L	106				0.79	0.79	5.0	Y	Yes	1	NA
	Beryllium	7440-41-7	T	ug/L	0.42	J	RL		0.16	0.16	1.0	Y	Yes	1	NA
	Boron	7440-42-8	T	ug/L	1260				4.0	4.0	50.0	Y	Yes	1	NA
	Cadmium	7440-43-9	T	ug/L		U			0.29	0.29	1.0	N	Yes	1	NA
	Calcium	7440-70-2	T	ug/L	28800				14.7	14.7	100	Y	Yes	1	NA
	Chromium	7440-47-3	T	ug/L		U			0.63	0.63	5.0	N	Yes	1	NA
	Copper	7440-50-8	T	ug/L		U			0.62	0.62	5.0	N	Yes	1	NA
	Molybdenum	7439-98-7	T	ug/L		U			2.6	2.6	5.0	N	Yes	1	NA
	Nickel	7440-02-0	T	ug/L	0.94	J	RL		0.88	0.88	5.0	Y	Yes	1	NA
	Silver	7440-22-4	T	ug/L		U			0.49	0.49	5.0	N	Yes	1	NA
	Vanadium	7440-62-2	T	ug/L		U			1.6	1.6	5.0	N	Yes	1	NA
	Zinc	7440-66-6	T	ug/L		U			3.0	3.0	10.0	N	Yes	1	NA
SW-846 6010D	Selenium	7782-49-2	T	ug/L		U			4.1	4.1	10.0	N	Yes	1	NA
SW-846 6020B	Cobalt	7440-48-4	T	ug/L		U			0.14	0.14	1.0	N	Yes	1	NA
	Lead	7439-92-1	T	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium	7439-93-2	T	ug/L	13.9				0.33	0.33	2.5	Y	Yes	1	NA
	Potassium	7440-09-7	T	ug/L	13100				18.0	18.0	100	Y	Yes	1	NA
	Sodium	7440-23-5	T	ug/L	17900				14.4	14.4	250	Y	Yes	1	NA
	Thallium	7440-28-0	T	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Tin	7440-31-5	T	ug/L		U			0.14	0.14	1.0	N	Yes	1	NA
SW-846 6020B	Iron	7439-89-6	T	ug/L	13600				29.8	29.8	200	Y	Yes	10	NA
	Manganese	7439-96-5	T	ug/L	928				2.4	2.4	20.0	Y	Yes	10	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L		U			0.0043	0.0043	0.025	N	Yes	1	NA
SW-846 7470A	Mercury	7439-97-6	T	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA

Lab Sample ID	92780474009
Sys Sample Code	022025NDFDDUPLICATE
Sample Name	022025NDFDDUPLICATE
Sample Date	2/20/2025 2:15:00 PM
Location	PP-APD-SD-1604 / SD-1604
Sample Type	FD
Matrix	GW
Parent Sample	022025NSD1604
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SW-846 9056A	Chloride	16887-00-6	N	mg/L	94.2				0.60	0.60	1.0	Y	Yes	1	NA
	Fluoride	16984-48-8	N	mg/L		U			0.050	0.050	0.10	N	Yes	1	NA
	Sulfate	14808-79-8	N	mg/L	74.8				0.50	0.50	1.0	Y	Yes	1	NA
SW-846 9060A	Mean Total Organic Carbon	TOC	N	mg/L		U			0.50	0.50	1.0	N	Yes	1	NA
SW-846 9066	Phenolics, Total Recoverable	PHENOLICS	N	mg/L		U			0.0115	0.0115	0.0400	N	Yes	1	NA

Lab Sample ID	L1829617-01
Sys Sample Code	021825NED1612
Sample Name	021825NED1612
Sample Date	2/18/2025 3:15:00 PM
Location	PP-APD-ED-1612 / ED-1612
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
CALC	Combined Radium	RA226/228	N	pCi/L	0.710	J	LD,S	0.359				Y	Yes	1	NA
SW-846 9315	Radium-226	13982-63-3	N	pCi/L	0.210	U		0.246	0.401	0.401	0.401	N	Yes	1	NA
SW-846 9320	RADIUM-228	15262-20-1	N	pCi/L	0.500	J	LD	0.262	0.449	0.449	0.449	Y	Yes	1	NA

Lab Sample ID	L1829617-02
Sys Sample Code	021825NED1D
Sample Name	021825NED1D
Sample Date	2/18/2025 5:45:00 PM
Location	PP-APD-ED-01D / ED-1D
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
CALC	Combined Radium	RA226/228	N	pCi/L	1.67	J+	Y	0.746				Y	Yes	1	NA
SW-846 9315	Radium-226	13982-63-3	N	pCi/L	0.294			0.176	0.217	0.217	0.217	Y	Yes	1	NA
SW-846 9320	RADIUM-228	15262-20-1	N	pCi/L	1.37	J+	Y	0.725	1.27	1.27	1.27	Y	Yes	1	NA

Lab Sample ID	L1829617-03
Sys Sample Code	021825NED9R2
Sample Name	021825NED9R2
Sample Date	2/18/2025 3:48:00 PM
Location	PP-APD-ED-09R2 / ED-9R2
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
CALC	Combined Radium	RA226/228	N	pCi/L	2.16	J	LD,S	0.392				Y	Yes	1	NA
SW-846 9315	Radium-226	13982-63-3	N	pCi/L	0.253	U		0.292	0.483	0.483	0.483	N	Yes	1	NA
SW-846 9320	RADIUM-228	15262-20-1	N	pCi/L	1.90	J	LD	0.261	0.398	0.398	0.398	Y	Yes	1	NA

Lab Sample ID	L1829617-04
Sys Sample Code	021825NED1605
Sample Name	021825NED1605
Sample Date	2/18/2025 1:10:00 PM
Location	PP-APD-ED-1605 / ED-1605
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
CALC	Combined Radium	RA226/228	N	pCi/L	3.73	J	LD	0.684				Y	Yes	1	NA
SW-846 9315	Radium-226	13982-63-3	N	pCi/L	1.26			0.463	0.443	0.443	0.443	Y	Yes	1	NA
SW-846 9320	RADIUM-228	15262-20-1	N	pCi/L	2.47	J	LD	0.503	0.819	0.819	0.819	Y	Yes	1	NA

Lab Sample ID	L1829617-05
Sys Sample Code	021825NSD1603
Sample Name	021825NSD1603
Sample Date	2/18/2025 3:35:00 PM
Location	PP-APD-SD-1603 / SD-1603
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
CALC	Combined Radium	RA226/228	N	pCi/L	1.79	J	LD,Y	0.536				Y	Yes	1	NA
SW-846 9315	Radium-226	13982-63-3	N	pCi/L	0.681	J+	Y	0.351	0.396	0.396	0.396	Y	Yes	1	NA
SW-846 9320	RADIUM-228	15262-20-1	N	pCi/L	1.10	J	LD,Y	0.405	0.684	0.684	0.684	Y	Yes	1	NA

Facility: Possum Point Power Station
SDG: 92780474

Lab Sample ID	L1829617-06
Sys Sample Code	021825NDFBBLANK
Sample Name	021825NDFBBLANK
Sample Date	2/18/2025 2:10:00 PM
Location	PP-FB / Field Blank
Sample Type	FB
Matrix	AQ
Parent Sample	
Percent Moisture	

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
CALC	Combined Radium	RA226/228	N	pCi/L	0.000	U	S	0.445				N	Yes	1	NA
SW-846 9315	Radium-226	13982-63-3	N	pCi/L	-0.0715	U		0.198	0.479	0.479	0.479	N	Yes	1	NA
SW-846 9320	RADIUM-228	15262-20-1	N	pCi/L	-0.375	U		0.398	0.715	0.715	0.715	N	Yes	1	NA

Lab Sample ID	L1829617-07
Sys Sample Code	022025NED1606
Sample Name	022025NED1606
Sample Date	2/20/2025 2:15:00 PM
Location	PP-APD-ED-1606 / ED-1606
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
CALC	Combined Radium	RA226/228	N	pCi/L	2.94	J	LD,Y	0.500				Y	Yes	1	NA
SW-846 9315	Radium-226	13982-63-3	N	pCi/L	0.884			0.410	0.474	0.474	0.474	Y	Yes	1	NA
SW-846 9320	RADIUM-228	15262-20-1	N	pCi/L	2.06	J	LD,Y	0.287	0.440	0.440	0.440	Y	Yes	1	NA

Lab Sample ID	L1829617-08
Sys Sample Code	022025NSD1604
Sample Name	022025NSD1604
Sample Date	2/20/2025 2:10:00 PM
Location	PP-APD-SD-1604 / SD-1604
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
CALC	Combined Radium	RA226/228	N	pCi/L	1.87	J	LD	0.466				Y	Yes	1	NA
SW-846 9315	Radium-226	13982-63-3	N	pCi/L	0.572			0.343	0.440	0.440	0.440	Y	Yes	1	NA
SW-846 9320	RADIUM-228	15262-20-1	N	pCi/L	1.30	J	LD	0.315	0.515	0.515	0.515	Y	Yes	1	NA

Facility: Possum Point Power Station
SDG: 92780474

Lab Sample ID	L1829617-09
Sys Sample Code	022025NDFDDUPLICATE
Sample Name	022025NDFDDUPLICATE
Sample Date	2/20/2025 2:15:00 PM
Location	PP-APD-SD-1604 / SD-1604
Sample Type	FD
Matrix	GW
Parent Sample	022025NSD1604
Percent Moisture	

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
CALC	Combined Radium	RA226/228	N	pCi/L	2.05	J	LD	0.475				Y	Yes	1	NA
SW-846 9315	Radium-226	13982-63-3	N	pCi/L	0.961			0.401	0.394	0.394	0.394	Y	Yes	1	NA
SW-846 9320	RADIUM-228	15262-20-1	N	pCi/L	1.09	J	LD	0.254	0.413	0.413	0.413	Y	Yes	1	NA

ENVIRONMENTAL® STANDARDS
Montrose Environmental Group

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of the samples collected as part of:

Possum Point Groundwater Sampling
Samples Collected between: 2/18/2025 and 2/20/2025

This review was performed with guidance from the associated US EPA data validation guidelines and in accordance with the Quality Assurance Program Plan. These validation guidance documents specifically address analyses performed in accordance with the Contract Laboratory Program (CLP) analytical methods and are not completely applicable to the type of analyses and analytical protocols performed for the US EPA, SW-846, and Standard Methods utilized by the laboratory for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the usability of the analytical results and compliance relative to the US EPA, SW-846, and Standard Methods utilized by the laboratory. This QA review was performed on the data associated with Job Number:

92780473

The findings offered in this report are based on a review of holding times and preservation, method blank results, field blank results, filter blank results, equipment blank results, tubing blank results, matrix spike/matrix spike duplicate recoveries and precision, laboratory control sample/laboratory control sample duplicate recoveries and precision, laboratory and field duplicate precision, total and dissolved results comparisons, and/or positive results between the method detection limit and quantitation limit.

The following results were qualified based on the data verification effort:

Sample	Location	Sample Type	Method	Analyte	T/D	Result	Qual	Reason Code(s)	MDL	QL	Uncertainty	Unit
021825NSD1611D	SD-1611D	N	SW-846 6010D	Boron	T	6.3	J	RL	4.0	50.0		ug/L
021825NSD1611D	SD-1611D	N	SW-846 6010D	Zinc	T	5.5	J	RL	3.0	10.0		ug/L
021825NSD1611D	SD-1611D	N	CALC	Combined Radium	N	1.42	J	S			0.607	pCi/L

Data Qualifiers	
U	The analyte was not detected above the level of the sample reporting limit.
J	Quantitation is approximate due to limitations identified during data validation.
J+	The result is an estimated quantity; the result may be biased high.
J-	The result is an estimated quantity; the result may be biased low.
UJ	The analyte was not detected; the reporting limit is approximate and may be inaccurate or imprecise.
R	Unreliable positive result; analyte may or may not be present in sample.
Reason Codes and Explanations	
BE	Equipment blank contamination.
BF	Field blank contamination.
BL	Laboratory blank contamination.
BN	Negative laboratory blank contamination.
FD	Field duplicate imprecision.
FG	Total versus Dissolved Imprecision.
H	Holding time exceeded.
L	LCS and LCSD recoveries outside of acceptance limits
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits
MP	MS/MSD imprecision.
Q	Chemical Preservation issue.
RL	Reported Results between the MDL and QL.

S	Radium-226+228 flagged due to reporting protocol for combined results
T	Temperature preservation issue.
X	Percent solids < 30%.
Y	Chemical yield outside of acceptance limits
ZZ	Other

Facility: Possum Point Power Station
SDG: 92780473

Lab Sample ID	92780473001
Sys Sample Code	021825NSD1611D
Sample Name	021825NSD1611D
Sample Date	2/18/2025 5:25:00 PM
Location	PP-APD-SD-1611D / SD-1611D
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SM 2340B	Hardness, Total(SM 2340B)	HARD	N	ug/L	53900				36.8	36.8	662	Y	Yes	1	NA
SM 2540C	Total Dissolved Solids	TDS	N	mg/L	130				10.0	10.0	10.0	Y	Yes	1	NA
SW-846 6010D	Antimony	7440-36-0	T	ug/L		U			3.6	3.6	5.0	N	Yes	1	NA
	Arsenic	7440-38-2	T	ug/L		U			2.5	2.5	10.0	N	Yes	1	NA
	Barium	7440-39-3	T	ug/L	47.6				0.79	0.79	5.0	Y	Yes	1	NA
	Beryllium	7440-41-7	T	ug/L		U			0.16	0.16	1.0	N	Yes	1	NA
	Boron	7440-42-8	T	ug/L	6.3	J	RL		4.0	4.0	50.0	Y	Yes	1	NA
	Cadmium	7440-43-9	T	ug/L		U			0.29	0.29	1.0	N	Yes	1	NA
	Calcium	7440-70-2	T	ug/L	11600				14.7	14.7	100	Y	Yes	1	NA
	Chromium	7440-47-3	T	ug/L		U			0.63	0.63	5.0	N	Yes	1	NA
	Copper	7440-50-8	T	ug/L		U			0.62	0.62	5.0	N	Yes	1	NA
	Molybdenum	7439-98-7	T	ug/L		U			2.6	2.6	5.0	N	Yes	1	NA
	Nickel	7440-02-0	T	ug/L		U			0.88	0.88	5.0	N	Yes	1	NA
	Selenium	7782-49-2	T	ug/L		U			4.1	4.1	10.0	N	Yes	1	NA
	Silver	7440-22-4	T	ug/L		U			0.49	0.49	5.0	N	Yes	1	NA
	Vanadium	7440-62-2	T	ug/L		U			1.6	1.6	5.0	N	Yes	1	NA
	Zinc	7440-66-6	T	ug/L	5.5	J	RL		3.0	3.0	10.0	Y	Yes	1	NA
SW-846 6020B	Cobalt	7440-48-4	T	ug/L		U			0.14	0.14	1.0	N	Yes	1	NA
	Iron	7439-89-6	T	ug/L	3280				3.0	3.0	20.0	Y	Yes	1	NA
	Lead	7439-92-1	T	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium	7439-93-2	T	ug/L	14.9				0.33	0.33	2.5	Y	Yes	1	NA
	Potassium	7440-09-7	T	ug/L	8850				18.0	18.0	100	Y	Yes	1	NA
	Sodium	7440-23-5	T	ug/L	5090				14.4	14.4	250	Y	Yes	1	NA
	Thallium	7440-28-0	T	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Tin	7440-31-5	T	ug/L		U			0.14	0.14	1.0	N	Yes	1	NA
SW-846 6020B	Manganese	7439-96-5	T	ug/L	224				2.4	2.4	20.0	Y	Yes	10	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L		U			0.0043	0.0043	0.025	N	Yes	1	NA
SW-846 7470A	Mercury	7439-97-6	T	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA

Lab Sample ID	92780473001
Sys Sample Code	021825NSD1611D
Sample Name	021825NSD1611D
Sample Date	2/18/2025 5:25:00 PM
Location	PP-APD-SD-1611D / SD-1611D
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SW-846 9056A	Chloride	16887-00-6	N	mg/L	19.8				0.60	0.60	1.0	Y	Yes	1	NA
	Fluoride	16984-48-8	N	mg/L		U			0.050	0.050	0.10	N	Yes	1	NA
	Sulfate	14808-79-8	N	mg/L	5.4				0.50	0.50	1.0	Y	Yes	1	NA
SW-846 9060A	Mean Total Organic Carbon	TOC	N	mg/L		U			0.50	0.50	1.0	N	Yes	1	NA
SW-846 9066	Phenolics, Total Recoverable	PHENOLICS	N	mg/L		U			0.0115	0.0115	0.0400	N	Yes	1	NA

Facility: Possum Point Power Station
SDG: 92780473

Lab Sample ID	L1829561-01
Sys Sample Code	021825NSD1611D
Sample Name	021825NSD1611D
Sample Date	2/18/2025 5:25:00 PM
Location	PP-APD-SD-1611D / SD-1611D
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
CALC	Combined Radium	RA226/228	N	pCi/L	1.42	J	S	0.607				Y	Yes	1	NA
SW-846 9315	Radium-226	13982-63-3	N	pCi/L	0.167	U		0.193	0.320	0.320	0.320	N	Yes	1	NA
SW-846 9320	RADIUM-228	15262-20-1	N	pCi/L	1.26			0.576	1.02	1.02	1.02	Y	Yes	1	NA

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of the samples collected as part of:

Possum Point Groundwater Sampling
Samples Collected between: 2/18/2025 and 2/20/2025

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92780476

The findings offered in this report are based on a review of holding times and preservation, method blank results, field blank results, filter blank results, equipment blank results, tubing blank results, matrix spike/matrix spike duplicate recoveries and precision, laboratory control sample/laboratory control sample duplicate recoveries and precision, laboratory and field duplicate precision, total and dissolved results comparisons, and/or positive results between the method detection limit and quantitation limit.

The following results were qualified based on the data verification effort:

Sample	Location	Sample Type	Method	Analyte	T/D	Result	Qual	Reason Code(s)	MDL	QL	Uncertainty	Unit
021825NED24R	ED-24R	N	SW-846 6010D	Beryllium	T	0.16	J	RL	0.16	1.0		ug/L
021825NED24R	ED-24R	N	SW-846 6010D	Boron	T	4.8	J	RL	4.0	50.0		ug/L
021825NED24R	ED-24R	N	SW-846 6010D	Chromium	T	2.1	J	RL	0.63	5.0		ug/L
021825NED24R	ED-24R	N	SW-846 6010D	Copper	T	1.4	J	RL	0.62	5.0		ug/L
021825NED24R	ED-24R	N	SW-846 6010D	Nickel	T	1.4	J	RL	0.88	5.0		ug/L
021825NED24R	ED-24R	N	SW-846 6010D	Zinc	T	4.2	J	RL	3.0	10.0		ug/L
021825NED24R	ED-24R	N	SW-846 7199	Chromium, Hexavalent	D	1.8	J	H	0.043	0.25		ug/L

Data Qualifiers	
U	The analyte was not detected above the level of the sample reporting limit.
J	Quantitation is approximate due to limitations identified during data validation.
J+	The result is an estimated quantity; the result may be biased high.
J-	The result is an estimated quantity; the result may be biased low.
UJ	The analyte was not detected; the reporting limit is approximate and may be inaccurate or imprecise.
R	Unreliable positive result; analyte may or may not be present in sample.
Reason Codes and Explanations	
BE	Equipment blank contamination.
BF	Field blank contamination.
BL	Laboratory blank contamination.
BN	Negative laboratory blank contamination.
FD	Field duplicate imprecision.
FG	Total versus Dissolved Imprecision.
H	Holding time exceeded.
L	LCS and LCSD recoveries outside of acceptance limits
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.

M	MS and MSD recoveries outside of acceptance limits
MP	MS/MSD imprecision.
Q	Chemical Preservation issue.
RL	Reported Results between the MDL and QL.
S	Radium-226+228 flagged due to reporting protocol for combined results
T	Temperature preservation issue.
X	Percent solids < 30%.
Y	Chemical yield outside of acceptance limits
ZZ	Other

Facility: Possum Point Power Station
SDG: 92780476

Lab Sample ID	92780476001
Sys Sample Code	021825NED24R
Sample Name	021825NED24R
Sample Date	2/18/2025 1:50:00 PM
Location	PP-BKGD-ED-24R / ED-24R
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SM 2340B	Hardness, Total(SM 2340B)	HARD	N	ug/L	8760				36.8	36.8	662	Y	Yes	1	NA
SM 2540C	Total Dissolved Solids	TDS	N	mg/L	49.6				10.0	10.0	10.0	Y	Yes	1	NA
SW-846 6010D	Antimony	7440-36-0	T	ug/L		U			3.6	3.6	5.0	N	Yes	1	NA
	Arsenic	7440-38-2	T	ug/L		U			2.5	2.5	10.0	N	Yes	1	NA
	Barium	7440-39-3	T	ug/L	18.0				0.79	0.79	5.0	Y	Yes	1	NA
	Beryllium	7440-41-7	T	ug/L	0.16	J	RL		0.16	0.16	1.0	Y	Yes	1	NA
	Boron	7440-42-8	T	ug/L	4.8	J	RL		4.0	4.0	50.0	Y	Yes	1	NA
	Cadmium	7440-43-9	T	ug/L		U			0.29	0.29	1.0	N	Yes	1	NA
	Calcium	7440-70-2	T	ug/L	2100				14.7	14.7	100	Y	Yes	1	NA
	Chromium	7440-47-3	T	ug/L	2.1	J	RL		0.63	0.63	5.0	Y	Yes	1	NA
	Copper	7440-50-8	T	ug/L	1.4	J	RL		0.62	0.62	5.0	Y	Yes	1	NA
	Molybdenum	7439-98-7	T	ug/L		U			2.6	2.6	5.0	N	Yes	1	NA
	Nickel	7440-02-0	T	ug/L	1.4	J	RL		0.88	0.88	5.0	Y	Yes	1	NA
	Selenium	7782-49-2	T	ug/L		U			4.1	4.1	10.0	N	Yes	1	NA
	Silver	7440-22-4	T	ug/L		U			0.49	0.49	5.0	N	Yes	1	NA
	Vanadium	7440-62-2	T	ug/L		U			1.6	1.6	5.0	N	Yes	1	NA
	Zinc	7440-66-6	T	ug/L	4.2	J	RL		3.0	3.0	10.0	Y	Yes	1	NA
SW-846 6020B	Cobalt	7440-48-4	T	ug/L		U			0.14	0.14	1.0	N	Yes	1	NA
	Iron	7439-89-6	T	ug/L	2690				3.0	3.0	20.0	Y	Yes	1	NA
	Lead	7439-92-1	T	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium	7439-93-2	T	ug/L	8.5				0.33	0.33	2.5	Y	Yes	1	NA
	Manganese	7439-96-5	T	ug/L	65.6				0.24	0.24	2.0	Y	Yes	1	NA
	Potassium	7440-09-7	T	ug/L	5630				18.0	18.0	100	Y	Yes	1	NA
	Sodium	7440-23-5	T	ug/L	4580				14.4	14.4	250	Y	Yes	1	NA
	Thallium	7440-28-0	T	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Tin	7440-31-5	T	ug/L		U			0.14	0.14	1.0	N	Yes	1	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L	1.8	J	H		0.043	0.043	0.25	Y	Yes	10	NA
SW-846 7470A	Mercury	7439-97-6	T	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA

Lab Sample ID	92780476001
Sys Sample Code	021825NED24R
Sample Name	021825NED24R
Sample Date	2/18/2025 1:50:00 PM
Location	PP-BKGD-ED-24R / ED-24R
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	0.00

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
SW-846 9056A	Chloride	16887-00-6	N	mg/L	2.2				0.60	0.60	1.0	Y	Yes	1	NA
	Fluoride	16984-48-8	N	mg/L		U			0.050	0.050	0.10	N	Yes	1	NA
	Sulfate	14808-79-8	N	mg/L	2.0				0.50	0.50	1.0	Y	Yes	1	NA
SW-846 9060A	Mean Total Organic Carbon	TOC	N	mg/L		U			0.50	0.50	1.0	N	Yes	1	NA
SW-846 9066	Phenolics, Total Recoverable	PHENOLICS	N	mg/L		U			0.0115	0.0115	0.0400	N	Yes	1	NA

Facility: Possum Point Power Station
SDG: 92780476

Lab Sample ID	L1829570-01
Sys Sample Code	021825NED24R
Sample Name	021825NED24R
Sample Date	2/18/2025 1:50:00 PM
Location	PP-BKGD-ED-24R / ED-24R
Sample Type	N
Matrix	GW
Parent Sample	
Percent Moisture	

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Final Result	Final Qual	Reason code	Uncertainty	Final MDL	Final RL	Final QL	Final Detect	Final Report	DF	Basis
CALC	Combined Radium	RA226/228	N	pCi/L	1.00			0.431				Y	Y	1	NA
SW-846 9315	Radium-226	13982-63-3	N	pCi/L	0.279			0.192	0.243	0.243	0.243	Y	Y	1	NA
SW-846 9320	RADIUM-228	15262-20-1	N	pCi/L	0.722			0.386	0.683	0.683	0.683	Y	Y	1	NA