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

BY EMAIL

July 18, 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 Ponds ABC, 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 Ponds ABC. The first semi-annual groundwater sampling event was conducted February 19-20, 2025, and analytical laboratory results were received on March 20, 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 18, 2025
	3] Solid Waste Permit Number: **617**	
4] Facility Name: **Ponds ABC Possum Point Power Station**		5] Landfill Type: CCR Surface Impoundment
6] Operational Status: Inactive (CCR Removed)		
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. Ponds ABC are located immediately south of Possum Point Road near its intersection with 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: 4	14] # of Upgradient Wells: 1	
	15] # of Downgradient Wells: 3	
16]# of Corrective Action Wells: 0	17] # of Performance Wells: 0	
	18] # of Sentinel Wells: 0	

Aquifer Specifics	
19] Were groundwater elevations measured at each monitoring well?	Yes
20] List the well pair(s) used to calculate groundwater flow rate?	ABC-1602 and ABC-1608
21] The calculated groundwater flow rate (given in feet per year)	44
22] Direction(s) of groundwater flow on site:	Southwest; Toward topographic lows

Groundwater Sampling Specifics	
23] Date GW was sampled pursuant to 9 VAC 20-81-250 B or C?	February 19-20, 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

Semi-Annual Groundwater Monitoring Report	
Analytical Lab Information	
27] Date GW samples sent to analytical lab:	February 19-20, 2025
28] Were samples submitted under Chain of Custody?	Yes
29] Date GW samples rec'd at analytical lab:	February 20-21, 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 20, 2025
33] Date signed/certified analytical report rec'd by consultant/facility:	March 20, 2025
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 2, 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:	

Semi-Annual Groundwater Monitoring Report

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, C.P.G		Title:	Certified Professional Geologist	
Signature:			Date:	7/18/2025	

COMMONWEALTH OF VIRGINIA
CATHERINE A. PEZZARO
Lic. No. 2323
CERTIFIED PROFESSIONAL GEOLOGIST

Tables

Table 1
Summary of First Semi-Annual Modified Assessment Monitoring Program Sampling Event Data (February 2025)
Possum Point Power Station, Ponds ABC
Permit No. 617

					Upgradient Well				Downgradient Wells												Field QC							
				Sample ID:	ABC-1602				ABC-1607				ABC-1608				ABC-1614				ABC-1607 DUP				Field Blank			
				Sample Date:	2/20/2025				2/20/2025				2/19/2025				2/20/2025				2/20/2025				2/19/2025			
Parameter Name	**Units**	**Site Specific Background**	**Federal CCR GWPS**	**SWP GPS**	**Result**	**Qualifier**	**MDL**	**RL**	**Result**	**Qualifier**	**MDL**	**RL**	**Result**	**Qualifier**	**MDL**	**RL**	**Result**	**Qualifier**	**MDL**	**RL**	**Result**	**Qualifier**	**MDL**	**RL**	**Result**	**Qualifier**	**MDL**	**RL**
CCR Appendix III Constituents																												
Boron	µg/L	QL (50)	--	4,000	<4.0	U	4.0	50.0	**201**		4.0	50.0	**176**		4.0	50.0	**207**		4.0	50.0	**196**		4.0	50.0	**5.6**	J	4.0	50.0
Calcium	µg/L	8,125	--	--	**6790**		14.7	100	**5840**		14.7	100	**11400**		14.7	100	**13100**		14.7	100	**5610**		14.7	100	<14.7	U	14.7	100
Chloride	mg/L	3.59	--	--	**3.6**		0.60	1.0	**9.6**		0.60	1.0	**31.0**		0.60	1.0	**27.4**		0.60	1.0	**9.7**		0.60	1.0	<0.60	U	0.60	1.0
Fluoride	mg/L	QL (0.10)	4	4	<0.050	U	0.050	0.10	<0.050	U	0.050	0.10	**0.087**	J	0.050	0.10	**0.059**	J	0.050	0.10	<0.050	U	0.050	0.10	<0.050	U	0.050	0.10
pH	SU	3.84 - 5.13	--	--	4.61		0.01	0.01	4.90		0.01	0.01	5.55		0.01	0.01	5.93		0.01	0.01	--		--	--	--		--	--
Sulfate	mg/L	70.48	--	--	**54.6**	J-	0.50	1.0	**40.1**	J-	0.50	1.0	**45.8**		0.50	1.0	**38.0**	J-	0.50	1.0	**40.2**	J-	0.50	1.0	<0.50	U	0.50	1.0
Total Dissolved Solids	mg/L	154.2	--	--	**134**	J+	10.0	10.0	**122**	J	10.0	10.0	**224**	J+	10.0	10.0	**207**	J+	10.0	10.0	**237**	J	10.0	10.0	**55.6**		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	<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	**2.6**	J	2.5	10.0	**50.4**		2.5	10.0	<2.5	U	2.5	10.0	<2.5	U	2.5	10.0
Barium	µg/L	79.52	2,000	2,000	**48.8**		0.79	5.0	**38.8**		0.79	5.0	**73.4**		0.79	5.0	**174**		0.79	5.0	**37.6**		0.79	5.0	<0.79	U	0.79	5.0
Beryllium	µg/L	QL (1)	4	4	**0.65**	J	0.16	1.0	**0.19**	J	0.16	1.0	**0.20**	J	0.16	1.0	<0.16	U	0.16	1.0	**0.18**	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	<0.29	U	0.29	1.0
Chromium	µg/L	QL (5)	100	100	**1.6**	J	0.63	5.0	**0.72**	J	0.63	5.0	**1.3**	J	0.63	5.0	**0.69**	J	0.63	5.0	<0.63	U	0.63	5.0	<0.63	U	0.63	5.0
Cobalt	µg/L	17.33	17.33	17.33	**12.2**		0.14	1.0	**7.7**		0.14	1.0	**20.0**		0.14	1.0	**19.4**		0.14	1.0	**7.3**		0.14	1.0	<0.14	U	0.14	1.0
Fluoride	mg/L	QL (0.10)	4	4	<0.050	U	0.050	0.10	<0.050	U	0.050	0.10	**0.087**	J	0.050	0.10	**0.059**	J	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	**0.20**	J	0.18	1.0	<0.18	U	0.18	1.0	**2.0**		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	13.5	40	40	**11.1**		0.33	2.5	**5.2**		0.33	2.5	**14.7**		0.33	2.5	**14.7**		0.33	2.5	**9.8**		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	<0.12	U	0.12	0.20
Molybdenum	µg/L	QL (5)	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	<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	**0.031**	J	0.028	0.20	**0.033**	J	0.028	0.20	**0.030**	J	0.028	0.20	<0.028	U	0.028	0.20	**0.034**	J	0.028	0.20	<0.028	U	0.028	0.20
Radium 226 and 228 (combined)	pCi/L	4.844	5	5	**1.92**		--	--	**0.951**	J	--	--	**2.10**	J	--	--	**1.93**		--	--	**0.821**	J	--	--	0.179	U	--	--
Additional VSWMR Constituents																												
Copper	µg/L	10.6	--	1,300	**6.2**		0.62	5.0	**0.69**	J	0.62	5.0	**1.2**	J	0.62	5.0	**0.67**	J	0.62	5.0	**0.64**	J	0.62	5.0	<0.62	U	0.62	5.0
Nickel	µg/L	8.86	--	8.86	**6.8**		0.88	5.0	**8.5**		0.88	5.0	**15.7**		0.88	5.0	**15.5**		0.88	5.0	**8.2**		0.88	5.0	<0.88	U	0.88	5.0
Silver	µg/L	QL (5)	--	5 (QL)	**2.1**	J	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 (1)	--	1 (QL)	<0.14	U	0.14	1.0	<0.14	U	0.14	1.0	**0.26**	J	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	**2.4**	J	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	29.5	--	29.5	**5.5**	J	3.0	10.0	**24.5**		3.0	10.0	**16.8**		3.0	10.0	**11.6**		3.0	10.0	**21.1**		3.0	10.0	<3.0	U	3.0	10.0
Speciation of Chromium																												
Chromium, Hexavalent	µg/L	QL (5)	--	--	**1.3**	J	0.043	0.25	<0.0043	UJ	0.0043	0.025	<0.0086	U	0.0086	0.050	<0.0086	UJ	0.0086	0.050	<0.0043	UJ	0.0043	0.25	<0.0043	U	0.0043	0.025
Former VPDES Constituents																												
Hardness	µg/L	--	--	--	**34100**		36.8	662	**27900**		36.8	662	**54200**		36.8	662	**60100**		36.8	662	**26900**		36.8	662	<36.8	U	36.8	662
Iron	µg/L	--	--	--	**44.4**	J+	3.0	20.0	**3320**		3.0	20.0	**8240**		3.0	20.0	**30200**		29.8	200	**3130**		3.0	20.0	<3.0	U	3.0	20.0
Manganese	µg/L	--	--	--	**183**		0.24	2.0	**169**		0.24	2.0	**156**		0.24	2.0	**217**		2.4	20.0	**4.9**		0.24	2.0	<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	<0.0115	U	0.0115	0.0400
Potassium	µg/L	--	--	--	**6510**		18.0	100	**2000**		18.0	100	**3170**		18.0	100	**4120**		18.0	100	**1920**		18.0	100	<18.0	U	18.0	100
Sodium	µg/L	--	--	--	**9360**		14.4	250	**14200**		14.4	250	**27400**		144	2500	**24700**		144	2500	**13600**		14.4	250	<14.4	U	14.4	250
Total Organic Carbon	mg/L	--	--	--	<0.50	U	0.50	1.0	**0.54**	J	0.50	1.0	**1.3**		0.50	1.0	**2.0**		0.50	1.0	**0.55**	J	0.50	1.0	<0.50	U	0.50	1.0
Field Parameters																												
Conductivity	µS/cm	--	--	--	171.6		0.1	0.1	158.3		0.1	0.1	274.1		0.1	0.1	346.8		0.1	0.1	--		--	--	--		--	--
Dissolved Oxygen	mg/L	--	--	--	3.58		0.01	0.01	1.40		0.01	0.01	0.84		0.01	0.01	0.68		0.01	0.01	--		--	--	--		--	--
Oxidation Reduction Potential	millivolts	--	--	--	348.9		0.1	0.1	120.9		0.1	0.1	77.4		0.1	0.1	-9.6		0.1	0.1	--		--	--	--		--	--
Temperature	C	--	--	--	13.7		0.1	0.1	12.9		0.1	0.1	10.9		0.1	0.1	13.1		0.1	0.1	--		--	--	--		--	--
Turbidity	NTU	--	--	--	2.51		0.01	0.01	9.95		0.01	0.01	74.7		0.01	0.01	7.68		0.01	0.01	--		--	--	--		--	--

Notes:
MDL = Method Detection Limit
RL = Reporting Limit
mg/L = Milligram per liter
µg/L = Microgram per liter
pCi/L = picoCurie per liter
µS/cm = MicroSiemen per centimeter
SU = Standard Units
C = Degrees Celsius
NTU = Nephelometric Turbidity Unit
ft btoc = feet below top of casing
ft msl = feet above mean sea level
MDC = Minimum Detection Concentration
CCR = Coal Combustion Residuals
SWP = Solid Waste Permit

Notes:
QL = Laboratory quantitation limit (value shown in parentheses represents 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
Bold font = Detected constituent

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

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

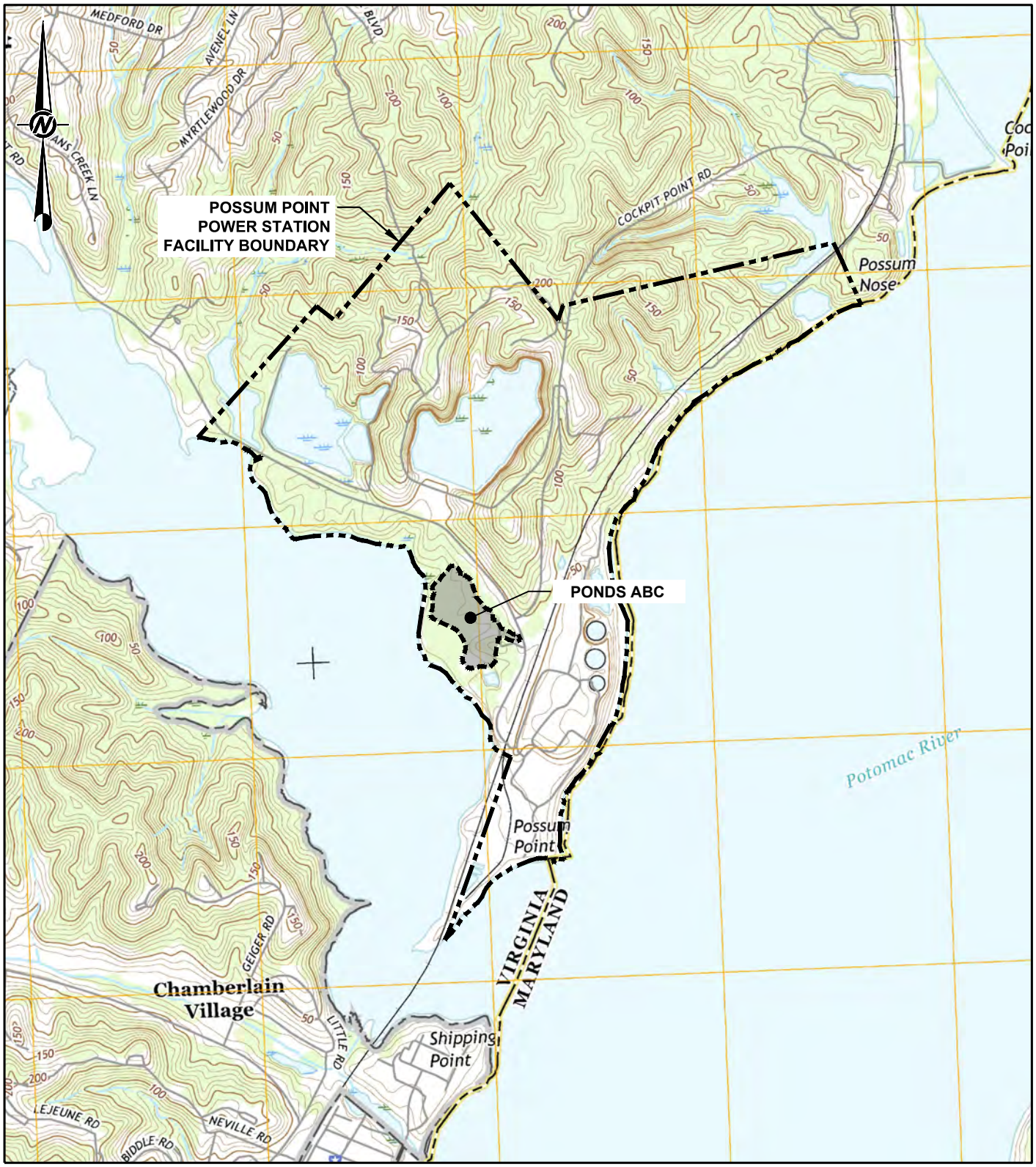
= Concentration greater than site-specific background

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

= Concentration greater than Virginia SWP GPS

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	2019-05-22
DESIGNED	ALR
PREPARED	ABR
REVIEWED	ALR
APPROVED	MGW

PROJECT
POSSUM POINT POWER STATION
PONDS ABC
PRINCE WILLIAM COUNTY, VIRGINIA

TITLE
SITE LOCATION MAP

PROJECT NO. US0041019.5094
REV. 0
ATTACHMENT

Path: G:\Plan Production Data Files\Drawing Data Files\16\62150\YY - ASH POND ABC CCR AMR\Active Drawings\16621509YY00.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, Ponds ABC – Solid Waste Permit No. 617

Well Identification	Date Measured	Top of Casing Elevation (ft/amsl)	Depth to Water (ft)	Groundwater Elevation (ft/amsl)
ABC-1602	02/18/2025	34.08	13.36	20.72
ABC-1607**	02/18/2025	23.63	24.16	-0.53
ABC-1608	02/18/2025	21.13	16.79	4.34
ABC-1614	02/18/2025	15.62	11.72	3.90
ABC-1616*	02/18/2025	13.43	12.63	0.80
ABC-1617*	02/18/2025	22.23	22.05	0.18
ABC-1618*	02/18/2025	44.43	21.23	23.20

Notes:
ft = feet
ft/amsl = feet above mean sea level
*Wells not part of compliance network, only used for creation of potentiometric surface
**Top of casing resurveyed and changed from 23.90 on March 9, 2017

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, Ponds ABC – 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:

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

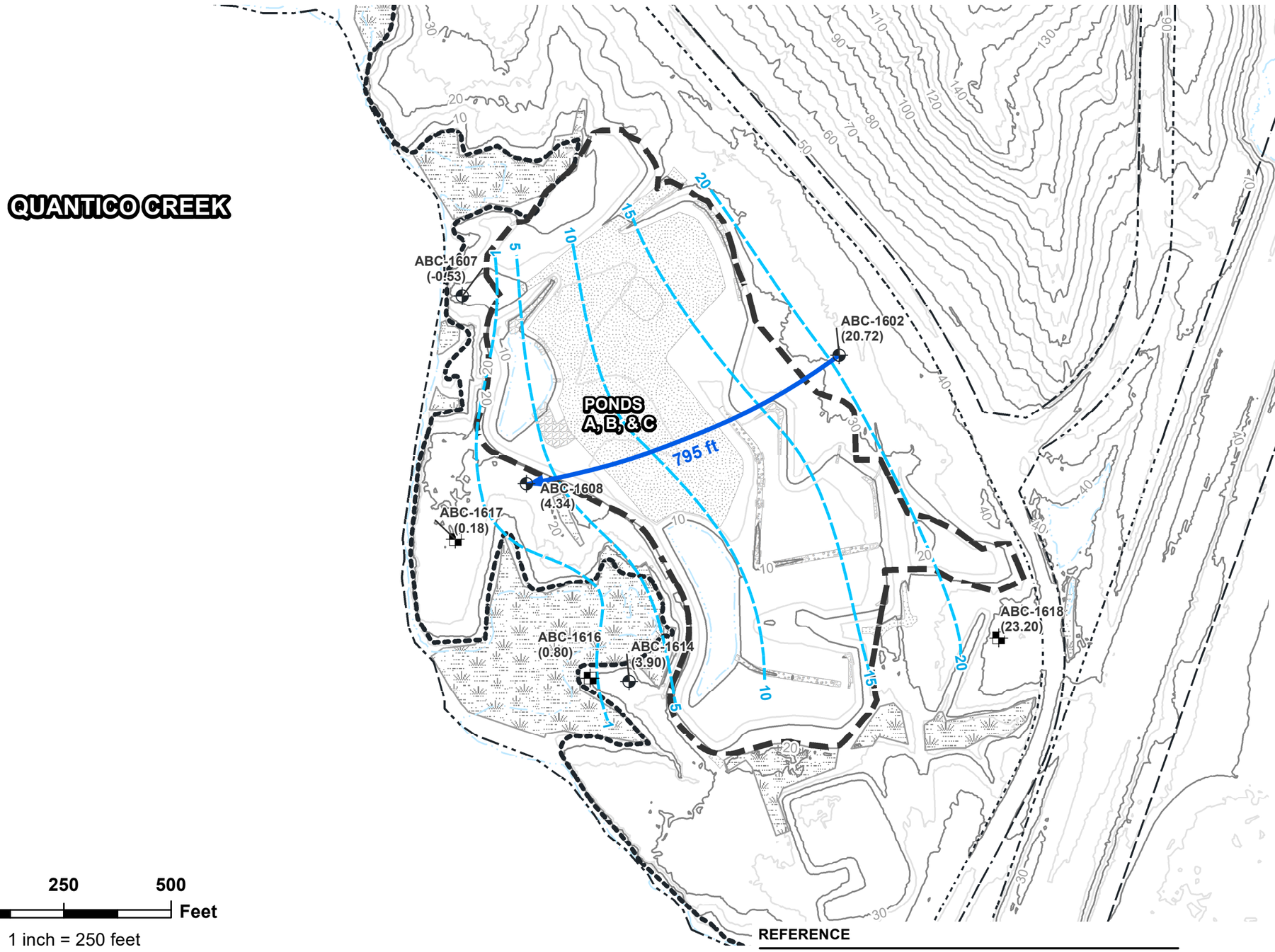
Where:
V= Groundwater Velocity (cm/s)
k = hydraulic conductivity (cm/s)
i = hydraulic gradient (unitless)
θ = assumed porosity (unitless)

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)
Vgw₁	4.16E-04	20.72	4.34	795	2.06E-02	0.20	4.28E-05	44

Notes: cm/s = centimeter per second
amsl = above mean sea level
k = hydraulic conductivity
Ø = estimated value based on the lithologies that comprise the uppermost aquifer

Attachment IV

Groundwater Potentiometric Surface Map



N

0 250 500 Feet

1 inch = 250 feet

Legend

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

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
PONDS ABC
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	KW
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, Ponds ABC – Solid Waste Permit No. 617

Parameter Detected Above Reporting Limit	Compliance Well	Value-To-Value Comparison: Statistically Significant Increase (yes/no)
Arsenic	ABC-1607	No
	ABC-1608	No
	ABC-1614	***Yes***
Barium	ABC-1607	No
	ABC-1608	No
	ABC-1614	***Yes***
Boron	ABC-1607	***Yes***
	ABC-1608	***Yes***
	ABC-1614	***Yes***
Calcium	ABC-1607	No
	ABC-1608	***Yes***
	ABC-1614	***Yes***
Chloride	ABC-1602 (Upgradient)	***Yes***
	ABC-1607	***Yes***
	ABC-1608	***Yes***
	ABC-1614	***Yes***
Cobalt	ABC-1607	No
	ABC-1608	***Yes***
	ABC-1614	***Yes***
Lead	ABC-1607	No
	ABC-1608	No
	ABC-1614	No
Lithium	ABC-1607	No
	ABC-1608	***Yes***
	ABC-1614	***Yes***
Nickel	ABC-1607	No
	ABC-1608	***Yes***
	ABC-1614	***Yes***
pH	ABC-1607	No
	ABC-1608	***Yes***
	ABC-1614	***Yes***

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

Parameter Detected Above Reporting Limit	Compliance Well	Value-To-Value Comparison: Statistically Significant Increase (yes/no)
Radium 226 and 228 (combined)	ABC-1607	No
	ABC-1608	No
	ABC-1614	No
Sulfate	ABC-1607	No
	ABC-1608	No
	ABC-1614	No
Total Dissolved Solids	ABC-1607	No
	ABC-1608	***Yes***
	ABC-1614	***Yes***
Zinc	ABC-1607	No
	ABC-1608	No
	ABC-1614	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, Ponds ABC – Solid Waste Permit No. 617

Well Identification	Well Designation	Constituents Found to Exceed SWP GPS
ABC-1602	Upgradient	None
ABC-1607	Downgradient	None
ABC-1608	Downgradient	***Cobalt***
		Nickel
ABC-1614	Downgradient	***Arsenic***
		Cobalt
		Nickel

Notes:

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

Attachment VII

Laboratory Certificates of Analysis

February 19-20, 2025, Sampling Event

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

March 20, 2025

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

RE: Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Dear Kelly Hicks:

Enclosed are the analytical results for sample(s) received by the laboratory between February 20, 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_GrpA
Pace Project No.: 92780713

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_GrpA
Pace Project No.: 92780713

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92780713001	**021925NABC1608**	Water	02/19/25 16:10	02/20/25 11:15
92780713002	**021925NABCFBBLANK**	Water	02/19/25 16:42	02/20/25 11:15
92780713003	**022025NABC1602**	Water	02/20/25 12:00	02/21/25 10:30
92780713004	**022025NABC1607**	Water	02/20/25 12:00	02/21/25 10:30
92780713005	**022025NABC1614**	Water	02/20/25 15:20	02/21/25 10:30
92780713006	**022025NABCFDDUPLICATE**	Water	02/20/25 12:05	02/21/25 10:30

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

SAMPLE ANALYTE COUNT

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92780713001	**021925NABC1608**	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	LDT	1	PAN
		SM 2540C-2015	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 9060A	MDW	5	PASI-A
92780713002	**021925NABCFBBLANK**	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	LDT	1	PAN
		SM 2540C-2015	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 9060A	MDW	5	PASI-A
92780713003	**022025NABC1602**	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	LDT	1	PAN
		SM 2540C-2015	CMW1	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
		EPA 9060A	MDW	5	PASI-A
92780713004	**022025NABC1607**	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	LDT	1	PAN
		SM 2540C-2015	CMW1	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
		EPA 9060A	MDW	5	PASI-A
92780713005	**022025NABC1614**	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	LDT	1	PAN

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_GrpA
Pace Project No.: 92780713

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
92780713006	**022025NABCFDDUPLICATE**	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	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

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92780713001	**021925NABC1608**					
EPA 6010D	Arsenic	2.6J	ug/L	10.0	02/23/25 18:46	
EPA 6010D	Barium	73.4	ug/L	5.0	02/23/25 18:46	
EPA 6010D	Beryllium	0.20J	ug/L	1.0	02/23/25 18:46	
EPA 6010D	Boron	176	ug/L	50.0	02/23/25 18:46	
EPA 6010D	Calcium	11400	ug/L	100	02/23/25 18:46	
EPA 6010D	Chromium	1.3J	ug/L	5.0	02/23/25 18:46	
EPA 6010D	Copper	1.2J	ug/L	5.0	02/23/25 18:46	
EPA 6010D	Nickel	15.7	ug/L	5.0	02/23/25 18:46	
EPA 6010D	Hardness, Total(SM 2340B)	54200	ug/L	662	02/23/25 18:46	
EPA 6010D	Vanadium	2.4J	ug/L	5.0	02/23/25 18:46	
EPA 6010D	Zinc	16.8	ug/L	10.0	02/23/25 18:46	
EPA 6020B	Cobalt	20.0	ug/L	1.0	03/14/25 18:17	
EPA 6020B	Iron	8240	ug/L	20.0	03/14/25 18:17	
EPA 6020B	Lead	2.0	ug/L	1.0	03/14/25 18:17	
EPA 6020B	Lithium	14.7	ug/L	2.5	03/14/25 18:17	
EPA 6020B	Manganese	156	ug/L	2.0	03/14/25 18:17	
EPA 6020B	Potassium	3170	ug/L	100	03/14/25 18:17	
EPA 6020B	Sodium	27400	ug/L	2500	03/14/25 18:20	
EPA 6020B	Thallium	0.030J	ug/L	0.20	03/14/25 18:17	
EPA 6020B	Tin	0.26J	ug/L	1.0	03/14/25 18:17	
SM 2540C-2015	Total Dissolved Solids	224	mg/L	10.0	02/25/25 11:06	
EPA 9056A	Chloride	31.0	mg/L	1.0	02/21/25 09:07	
EPA 9056A	Fluoride	0.087J	mg/L	0.10	02/21/25 09:07	
EPA 9056A	Sulfate	45.8	mg/L	1.0	02/21/25 09:07	
EPA 9060A	Total Organic Carbon	1.3	mg/L	1.0	02/26/25 11:45	
EPA 9060A	Total Organic Carbon	1.4	mg/L	1.0	02/26/25 11:45	
EPA 9060A	Total Organic Carbon	1.3	mg/L	1.0	02/26/25 11:45	
EPA 9060A	Total Organic Carbon	1.3	mg/L	1.0	02/26/25 11:45	
EPA 9060A	Mean Total Organic Carbon	1.3	mg/L	1.0	02/26/25 11:45	
92780713002	**021925NABCFBBLANK**					
EPA 6010D	Boron	5.6J	ug/L	50.0	02/23/25 18:49	
SM 2540C-2015	Total Dissolved Solids	55.6	mg/L	10.0	02/25/25 11:06	
92780713003	**022025NABC1602**					
EPA 7199	Chromium, Hexavalent	1.3	ug/L	0.25	02/21/25 13:06	H1,M2
EPA 6010D	Barium	48.8	ug/L	5.0	02/23/25 18:52	
EPA 6010D	Beryllium	0.65J	ug/L	1.0	02/23/25 18:52	
EPA 6010D	Calcium	6790	ug/L	100	02/23/25 18:52	
EPA 6010D	Chromium	1.6J	ug/L	5.0	02/23/25 18:52	
EPA 6010D	Copper	6.2	ug/L	5.0	02/23/25 18:52	
EPA 6010D	Nickel	6.8	ug/L	5.0	02/23/25 18:52	
EPA 6010D	Silver	2.1J	ug/L	5.0	02/23/25 18:52	
EPA 6010D	Hardness, Total(SM 2340B)	34100	ug/L	662	02/23/25 18:52	
EPA 6010D	Zinc	5.5J	ug/L	10.0	02/23/25 18:52	
EPA 6020B	Cobalt	12.2	ug/L	1.0	03/17/25 15:54	
EPA 6020B	Iron	44.4	ug/L	20.0	03/17/25 15:54	
EPA 6020B	Lead	0.20J	ug/L	1.0	03/17/25 15:54	

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_GrpA
Pace Project No.: 92780713

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92780713003	**022025NABC1602**					
EPA 6020B	Lithium	11.1	ug/L	2.5	03/17/25 15:54	
EPA 6020B	Manganese	183	ug/L	2.0	03/17/25 15:54	
EPA 6020B	Potassium	6510	ug/L	100	03/17/25 15:54	
EPA 6020B	Sodium	9360	ug/L	250	03/17/25 15:54	
EPA 6020B	Thallium	0.031J	ug/L	0.20	03/17/25 15:54	
SM 2540C-2015	Total Dissolved Solids	134	mg/L	10.0	02/25/25 11:06	
EPA 9056A	Chloride	3.6	mg/L	1.0	02/22/25 13:39	
EPA 9056A	Sulfate	54.6	mg/L	1.0	02/22/25 13:39	M1, R1
92780713004	**022025NABC1607**					
EPA 6010D	Barium	38.8	ug/L	5.0	02/23/25 19:07	
EPA 6010D	Beryllium	0.19J	ug/L	1.0	02/23/25 19:07	
EPA 6010D	Boron	201	ug/L	50.0	02/23/25 19:07	
EPA 6010D	Calcium	5840	ug/L	100	02/23/25 19:07	
EPA 6010D	Chromium	0.72J	ug/L	5.0	02/23/25 19:07	
EPA 6010D	Copper	0.69J	ug/L	5.0	02/23/25 19:07	
EPA 6010D	Nickel	8.5	ug/L	5.0	02/23/25 19:07	
EPA 6010D	Hardness, Total(SM 2340B)	27900	ug/L	662	02/23/25 19:07	
EPA 6010D	Zinc	24.5	ug/L	10.0	02/23/25 19:07	
EPA 6020B	Cobalt	7.7	ug/L	1.0	03/17/25 16:41	
EPA 6020B	Iron	3320	ug/L	20.0	03/17/25 16:41	
EPA 6020B	Lithium	5.2	ug/L	2.5	03/17/25 16:41	
EPA 6020B	Manganese	169	ug/L	2.0	03/17/25 16:41	
EPA 6020B	Potassium	2000	ug/L	100	03/17/25 16:41	
EPA 6020B	Sodium	14200	ug/L	250	03/17/25 16:41	
EPA 6020B	Thallium	0.033J	ug/L	0.20	03/17/25 16:41	
SM 2540C-2015	Total Dissolved Solids	122	mg/L	10.0	02/25/25 11:06	
EPA 9056A	Chloride	9.6	mg/L	1.0	02/22/25 14:20	
EPA 9056A	Sulfate	40.1	mg/L	1.0	02/22/25 14:20	
EPA 9060A	Total Organic Carbon	0.55J	mg/L	1.0	02/26/25 13:56	
EPA 9060A	Total Organic Carbon	0.55J	mg/L	1.0	02/26/25 13:56	
EPA 9060A	Total Organic Carbon	0.53J	mg/L	1.0	02/26/25 13:56	
EPA 9060A	Total Organic Carbon	0.53J	mg/L	1.0	02/26/25 13:56	
EPA 9060A	Mean Total Organic Carbon	0.54J	mg/L	1.0	02/26/25 13:56	
92780713005	**022025NABC1614**					
EPA 6010D	Arsenic	50.4	ug/L	10.0	02/23/25 19:23	
EPA 6010D	Barium	174	ug/L	5.0	02/23/25 19:23	
EPA 6010D	Boron	207	ug/L	50.0	02/23/25 19:23	
EPA 6010D	Calcium	13100	ug/L	100	02/23/25 19:23	
EPA 6010D	Chromium	0.69J	ug/L	5.0	02/23/25 19:23	
EPA 6010D	Copper	0.67J	ug/L	5.0	02/23/25 19:23	
EPA 6010D	Nickel	15.5	ug/L	5.0	02/23/25 19:23	
EPA 6010D	Hardness, Total(SM 2340B)	60100	ug/L	662	02/23/25 19:23	
EPA 6010D	Zinc	11.6	ug/L	10.0	02/23/25 19:23	
EPA 6020B	Cobalt	19.4	ug/L	1.0	03/17/25 16:48	
EPA 6020B	Iron	30200	ug/L	200	03/17/25 16:52	
EPA 6020B	Lithium	14.7	ug/L	2.5	03/17/25 16:48	

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_GrpA
Pace Project No.: 92780713

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92780713005	**022025NABC1614**					
EPA 6020B	Manganese	217	ug/L	20.0	03/17/25 16:52	
EPA 6020B	Potassium	4120	ug/L	100	03/17/25 16:48	
EPA 6020B	Sodium	24700	ug/L	2500	03/17/25 16:52	
SM 2540C-2015	Total Dissolved Solids	207	mg/L	10.0	02/25/25 11:06	
EPA 9056A	Chloride	27.4	mg/L	1.0	02/22/25 14:33	
EPA 9056A	Fluoride	0.059J	mg/L	0.10	02/22/25 14:33	
EPA 9056A	Sulfate	38.0	mg/L	1.0	02/22/25 14:33	
EPA 9060A	Total Organic Carbon	2.1	mg/L	1.0	02/26/25 14:13	
EPA 9060A	Total Organic Carbon	2.0	mg/L	1.0	02/26/25 14:13	
EPA 9060A	Total Organic Carbon	2.0	mg/L	1.0	02/26/25 14:13	
EPA 9060A	Total Organic Carbon	2.0	mg/L	1.0	02/26/25 14:13	
EPA 9060A	Mean Total Organic Carbon	2.0	mg/L	1.0	02/26/25 14:13	
92780713006	**022025NABCFDDUPLICATE**					
EPA 6010D	Barium	37.6	ug/L	5.0	02/23/25 19:26	
EPA 6010D	Beryllium	0.18J	ug/L	1.0	02/23/25 19:26	
EPA 6010D	Boron	196	ug/L	50.0	02/23/25 19:26	
EPA 6010D	Calcium	5610	ug/L	100	02/23/25 19:26	
EPA 6010D	Copper	0.64J	ug/L	5.0	02/23/25 19:26	
EPA 6010D	Nickel	8.2	ug/L	5.0	02/23/25 19:26	
EPA 6010D	Hardness, Total(SM 2340B)	26900	ug/L	662	02/23/25 19:26	
EPA 6010D	Zinc	21.1	ug/L	10.0	02/23/25 19:26	
EPA 6020B	Cobalt	7.3	ug/L	1.0	03/17/25 16:56	
EPA 6020B	Iron	3130	ug/L	20.0	03/17/25 16:56	
EPA 6020B	Lithium	4.9	ug/L	2.5	03/17/25 16:56	
EPA 6020B	Manganese	161	ug/L	2.0	03/17/25 16:56	
EPA 6020B	Potassium	1920	ug/L	100	03/17/25 16:56	
EPA 6020B	Sodium	13600	ug/L	250	03/17/25 16:56	
EPA 6020B	Thallium	0.034J	ug/L	0.20	03/17/25 16:56	
SM 2540C-2015	Total Dissolved Solids	237	mg/L	10.0	02/25/25 11:06	
EPA 9056A	Chloride	9.7	mg/L	1.0	02/22/25 14:46	
EPA 9056A	Sulfate	40.2	mg/L	1.0	02/22/25 14:46	
EPA 9060A	Total Organic Carbon	0.69J	mg/L	1.0	02/26/25 14:30	
EPA 9060A	Total Organic Carbon	0.52J	mg/L	1.0	02/26/25 14:30	
EPA 9060A	Total Organic Carbon	0.50J	mg/L	1.0	02/26/25 14:30	
EPA 9060A	Mean Total Organic Carbon	0.55J	mg/L	1.0	02/26/25 14:30	

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_GrpA
Pace Project No.: 92780713

Method: **EPA 7199**
Description: 7199 Chromium, Hexavalent
Client: Dominion Energy_VA
Date: March 20, 2025

General Information:
6 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.
- 022025NABC1602 (Lab ID: 92780713003)
- 022025NABCFDDUPLICATE (Lab ID: 92780713006)

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: 917467

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92780477004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- MS (Lab ID: 4715507)
  - Chromium, Hexavalent
- MSD (Lab ID: 4715508)
  - 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)

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Method: **EPA 7199**
Description: 7199 Chromium, Hexavalent
Client: Dominion Energy_VA
Date: March 20, 2025

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.

- Chromium, Hexavalent

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

Additional Comments:

Analyte Comments:

QC Batch: 917467

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

- 021925NABC1608 (Lab ID: 92780713001)
  - Chromium, Hexavalent
- DUP (Lab ID: 4715509)
  - Chromium, Hexavalent

QC Batch: 917723

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

- 022025NABC1614 (Lab ID: 92780713005)
  - Chromium, Hexavalent
- 022025NABC1607 (Lab ID: 92780713004)
  - Chromium, Hexavalent

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Method: **EPA 6010D**
Description: 6010 MET ICP
Client: Dominion Energy_VA
Date: March 20, 2025

General Information:
6 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_GrpA
Pace Project No.: 92780713

Method: **EPA 6020B**
Description: 6020 MET ICPMS
Client: Dominion Energy_VA
Date: March 20, 2025

General Information:
6 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: 922080

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92784400003

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

- MSD (Lab ID: 4737788)
  - Sodium

Additional Comments:

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Method: **EPA 7470A**
Description: 7470 Mercury
Client: Dominion Energy_VA
Date: March 20, 2025

General Information:
6 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_GrpA
Pace Project No.: 92780713

Method: **EPA 9066**
Description: Wet Chemistry 9066
Client: Dominion Energy_VA
Date: March 20, 2025

General Information:
6 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_GrpA
Pace Project No.: 92780713

Method: **SM 2540C-2015**
Description: 2540C Total Dissolved Solids
Client: Dominion Energy_VA
Date: March 20, 2025

General Information:
6 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:

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Method: **EPA 9056A**
Description: 9056 IC anions 28 Days
Client: Dominion Energy_VA
Date: March 20, 2025

General Information:
6 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: 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

Additional Comments:

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PROJECT NARRATIVE

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Method: **EPA 9060A**
Description: Total Organic Carbon,Asheville
Client: Dominion Energy_VA
Date: March 20, 2025

General Information:
6 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_GrpA
Pace Project No.: 92780713

Sample: 021925NABC1608 **Lab ID: 92780713001** Collected: 02/19/25 16:10 Received: 02/20/25 11:15 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	0.050	0.0086	2		02/20/25 12:33	18540-29-9	D3
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 18:46	7440-36-0	
Arsenic	**2.6J**	ug/L	10.0	2.5	1	02/22/25 15:20	02/23/25 18:46	7440-38-2	
Barium	**73.4**	ug/L	5.0	0.79	1	02/22/25 15:20	02/23/25 18:46	7440-39-3	
Beryllium	**0.20J**	ug/L	1.0	0.16	1	02/22/25 15:20	02/23/25 18:46	7440-41-7	
Boron	**176**	ug/L	50.0	4.0	1	02/22/25 15:20	02/23/25 18:46	7440-42-8	
Cadmium	ND	ug/L	1.0	0.29	1	02/22/25 15:20	02/23/25 18:46	7440-43-9	
Calcium	**11400**	ug/L	100	14.7	1	02/22/25 15:20	02/23/25 18:46	7440-70-2	
Chromium	**1.3J**	ug/L	5.0	0.63	1	02/22/25 15:20	02/23/25 18:46	7440-47-3	
Copper	**1.2J**	ug/L	5.0	0.62	1	02/22/25 15:20	02/23/25 18:46	7440-50-8	
Molybdenum	ND	ug/L	5.0	2.6	1	02/22/25 15:20	02/23/25 18:46	7439-98-7	
Nickel	**15.7**	ug/L	5.0	0.88	1	02/22/25 15:20	02/23/25 18:46	7440-02-0	
Selenium	ND	ug/L	10.0	4.1	1	02/22/25 15:20	02/23/25 18:46	7782-49-2	
Silver	ND	ug/L	5.0	0.49	1	02/22/25 15:20	02/23/25 18:46	7440-22-4	
Hardness, Total(SM 2340B)	**54200**	ug/L	662	36.8	1	02/22/25 15:20	02/23/25 18:46		
Vanadium	**2.4J**	ug/L	5.0	1.6	1	02/22/25 15:20	02/23/25 18:46	7440-62-2	
Zinc	**16.8**	ug/L	10.0	3.0	1	02/22/25 15:20	02/23/25 18:46	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Cobalt	**20.0**	ug/L	1.0	0.14	1	03/13/25 15:10	03/14/25 18:17	7440-48-4	
Iron	**8240**	ug/L	20.0	3.0	1	03/13/25 15:10	03/14/25 18:17	7439-89-6	
Lead	**2.0**	ug/L	1.0	0.18	1	03/13/25 15:10	03/14/25 18:17	7439-92-1	
Lithium	**14.7**	ug/L	2.5	0.33	1	03/13/25 15:10	03/14/25 18:17	7439-93-2	
Manganese	**156**	ug/L	2.0	0.24	1	03/13/25 15:10	03/14/25 18:17	7439-96-5	
Potassium	**3170**	ug/L	100	18.0	1	03/13/25 15:10	03/14/25 18:17	7440-09-7	
Sodium	**27400**	ug/L	2500	144	10	03/13/25 15:10	03/14/25 18:20	7440-23-5	
Thallium	**0.030J**	ug/L	0.20	0.028	1	03/13/25 15:10	03/14/25 18:17	7440-28-0	
Tin	**0.26J**	ug/L	1.0	0.14	1	03/13/25 15:10	03/14/25 18:17	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 13:32	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 14:28	64743-03-9	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**224**	mg/L	10.0	10.0	1		02/25/25 11:06		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Sample: 021925NABC1608 **Lab ID: 92780713001** Collected: 02/19/25 16:10 Received: 02/20/25 11:15 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	**31.0**	mg/L	1.0	0.60	1		02/21/25 09:07	16887-00-6	
Fluoride	**0.087J**	mg/L	0.10	0.050	1		02/21/25 09:07	16984-48-8	
Sulfate	**45.8**	mg/L	1.0	0.50	1		02/21/25 09:07	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Total Organic Carbon	**1.3**	mg/L	1.0	0.50	1		02/26/25 11:45	7440-44-0	
Total Organic Carbon	**1.4**	mg/L	1.0	0.50	1		02/26/25 11:45	7440-44-0	
Total Organic Carbon	**1.3**	mg/L	1.0	0.50	1		02/26/25 11:45	7440-44-0	
Total Organic Carbon	**1.3**	mg/L	1.0	0.50	1		02/26/25 11:45	7440-44-0	
Mean Total Organic Carbon	**1.3**	mg/L	1.0	0.50	1		02/26/25 11:45	7440-44-0	

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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Sample: 021925NABCFBBLANK **Lab ID: 92780713002** Collected: 02/19/25 16:42 Received: 02/20/25 11:15 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		02/20/25 12:44	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 18:49	7440-36-0	
Arsenic	ND	ug/L	10.0	2.5	1	02/22/25 15:20	02/23/25 18:49	7440-38-2	
Barium	ND	ug/L	5.0	0.79	1	02/22/25 15:20	02/23/25 18:49	7440-39-3	
Beryllium	ND	ug/L	1.0	0.16	1	02/22/25 15:20	02/23/25 18:49	7440-41-7	
Boron	**5.6J**	ug/L	50.0	4.0	1	02/22/25 15:20	02/23/25 18:49	7440-42-8	
Cadmium	ND	ug/L	1.0	0.29	1	02/22/25 15:20	02/23/25 18:49	7440-43-9	
Calcium	ND	ug/L	100	14.7	1	02/22/25 15:20	02/23/25 18:49	7440-70-2	
Chromium	ND	ug/L	5.0	0.63	1	02/22/25 15:20	02/23/25 18:49	7440-47-3	
Copper	ND	ug/L	5.0	0.62	1	02/22/25 15:20	02/23/25 18:49	7440-50-8	
Molybdenum	ND	ug/L	5.0	2.6	1	02/22/25 15:20	02/23/25 18:49	7439-98-7	
Nickel	ND	ug/L	5.0	0.88	1	02/22/25 15:20	02/23/25 18:49	7440-02-0	
Selenium	ND	ug/L	10.0	4.1	1	02/22/25 15:20	02/23/25 18:49	7782-49-2	
Silver	ND	ug/L	5.0	0.49	1	02/22/25 15:20	02/23/25 18:49	7440-22-4	
Hardness, Total(SM 2340B)	ND	ug/L	662	36.8	1	02/22/25 15:20	02/23/25 18:49		
Vanadium	ND	ug/L	5.0	1.6	1	02/22/25 15:20	02/23/25 18:49	7440-62-2	
Zinc	ND	ug/L	10.0	3.0	1	02/22/25 15:20	02/23/25 18:49	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 15:10	03/14/25 18:24	7440-48-4	
Iron	ND	ug/L	20.0	3.0	1	03/13/25 15:10	03/14/25 18:24	7439-89-6	
Lead	ND	ug/L	1.0	0.18	1	03/13/25 15:10	03/14/25 18:24	7439-92-1	
Lithium	ND	ug/L	2.5	0.33	1	03/13/25 15:10	03/14/25 18:24	7439-93-2	
Manganese	ND	ug/L	2.0	0.24	1	03/13/25 15:10	03/14/25 18:24	7439-96-5	
Potassium	ND	ug/L	100	18.0	1	03/13/25 15:10	03/14/25 18:24	7440-09-7	
Sodium	ND	ug/L	250	14.4	1	03/13/25 15:10	03/14/25 18:24	7440-23-5	
Thallium	ND	ug/L	0.20	0.028	1	03/13/25 15:10	03/14/25 18:24	7440-28-0	
Tin	ND	ug/L	1.0	0.14	1	03/13/25 15:10	03/14/25 18:24	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 13:35	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 14:29	64743-03-9	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**55.6**	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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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Sample: 021925NABCFBBLANK **Lab ID: 92780713002** Collected: 02/19/25 16:42 Received: 02/20/25 11:15 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 00:25	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/25 00:25	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/21/25 00:25	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 12:38	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 12:38	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 12:38	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 12:38	7440-44-0	
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 12:38	7440-44-0	

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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Sample: 022025NABC1602 **Lab ID: 92780713003** Collected: 02/20/25 12:00 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	**1.3**	ug/L	0.25	0.043	10		02/21/25 13:06	18540-29-9	H1,M2
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 18:52	7440-36-0	
Arsenic	ND	ug/L	10.0	2.5	1	02/22/25 15:20	02/23/25 18:52	7440-38-2	
Barium	**48.8**	ug/L	5.0	0.79	1	02/22/25 15:20	02/23/25 18:52	7440-39-3	
Beryllium	**0.65J**	ug/L	1.0	0.16	1	02/22/25 15:20	02/23/25 18:52	7440-41-7	
Boron	ND	ug/L	50.0	4.0	1	02/22/25 15:20	02/23/25 18:52	7440-42-8	
Cadmium	ND	ug/L	1.0	0.29	1	02/22/25 15:20	02/23/25 18:52	7440-43-9	
Calcium	**6790**	ug/L	100	14.7	1	02/22/25 15:20	02/23/25 18:52	7440-70-2	
Chromium	**1.6J**	ug/L	5.0	0.63	1	02/22/25 15:20	02/23/25 18:52	7440-47-3	
Copper	**6.2**	ug/L	5.0	0.62	1	02/22/25 15:20	02/23/25 18:52	7440-50-8	
Molybdenum	ND	ug/L	5.0	2.6	1	02/22/25 15:20	02/23/25 18:52	7439-98-7	
Nickel	**6.8**	ug/L	5.0	0.88	1	02/22/25 15:20	02/23/25 18:52	7440-02-0	
Selenium	ND	ug/L	10.0	4.1	1	02/22/25 15:20	02/23/25 18:52	7782-49-2	
Silver	**2.1J**	ug/L	5.0	0.49	1	02/22/25 15:20	02/23/25 18:52	7440-22-4	
Hardness, Total(SM 2340B)	**34100**	ug/L	662	36.8	1	02/22/25 15:20	02/23/25 18:52		
Vanadium	ND	ug/L	5.0	1.6	1	02/22/25 15:20	02/23/25 18:52	7440-62-2	
Zinc	**5.5J**	ug/L	10.0	3.0	1	02/22/25 15:20	02/23/25 18:52	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Cobalt	**12.2**	ug/L	1.0	0.14	1	03/13/25 01:00	03/17/25 15:54	7440-48-4	
Iron	**44.4**	ug/L	20.0	3.0	1	03/13/25 01:00	03/17/25 15:54	7439-89-6	
Lead	**0.20J**	ug/L	1.0	0.18	1	03/13/25 01:00	03/17/25 15:54	7439-92-1	
Lithium	**11.1**	ug/L	2.5	0.33	1	03/13/25 01:00	03/17/25 15:54	7439-93-2	
Manganese	**183**	ug/L	2.0	0.24	1	03/13/25 01:00	03/17/25 15:54	7439-96-5	
Potassium	**6510**	ug/L	100	18.0	1	03/13/25 01:00	03/17/25 15:54	7440-09-7	
Sodium	**9360**	ug/L	250	14.4	1	03/13/25 01:00	03/17/25 15:54	7440-23-5	
Thallium	**0.031J**	ug/L	0.20	0.028	1	03/13/25 01:00	03/17/25 15:54	7440-28-0	
Tin	ND	ug/L	1.0	0.14	1	03/13/25 01:00	03/17/25 15:54	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 15:33	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 14:30	64743-03-9	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**134**	mg/L	10.0	10.0	1		02/25/25 11:06		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Sample: 022025NABC1602 **Lab ID: 92780713003** Collected: 02/20/25 12:00 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	**3.6**	mg/L	1.0	0.60	1		02/22/25 13:39	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/22/25 13:39	16984-48-8	
Sulfate	**54.6**	mg/L	1.0	0.50	1		02/22/25 13:39	14808-79-8	M1,R1
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 12:55	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 12:55	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 12:55	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 12:55	7440-44-0	
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 12:55	7440-44-0	

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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Sample: 022025NABC1607 **Lab ID: 92780713004** Collected: 02/20/25 12:00 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 11:52	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 19:07	7440-36-0	
Arsenic	ND	ug/L	10.0	2.5	1	02/22/25 15:20	02/23/25 19:07	7440-38-2	
Barium	**38.8**	ug/L	5.0	0.79	1	02/22/25 15:20	02/23/25 19:07	7440-39-3	
Beryllium	**0.19J**	ug/L	1.0	0.16	1	02/22/25 15:20	02/23/25 19:07	7440-41-7	
Boron	**201**	ug/L	50.0	4.0	1	02/22/25 15:20	02/23/25 19:07	7440-42-8	
Cadmium	ND	ug/L	1.0	0.29	1	02/22/25 15:20	02/23/25 19:07	7440-43-9	
Calcium	**5840**	ug/L	100	14.7	1	02/22/25 15:20	02/23/25 19:07	7440-70-2	
Chromium	**0.72J**	ug/L	5.0	0.63	1	02/22/25 15:20	02/23/25 19:07	7440-47-3	
Copper	**0.69J**	ug/L	5.0	0.62	1	02/22/25 15:20	02/23/25 19:07	7440-50-8	
Molybdenum	ND	ug/L	5.0	2.6	1	02/22/25 15:20	02/23/25 19:07	7439-98-7	
Nickel	**8.5**	ug/L	5.0	0.88	1	02/22/25 15:20	02/23/25 19:07	7440-02-0	
Selenium	ND	ug/L	10.0	4.1	1	02/22/25 15:20	02/23/25 19:07	7782-49-2	
Silver	ND	ug/L	5.0	0.49	1	02/22/25 15:20	02/23/25 19:07	7440-22-4	
Hardness, Total(SM 2340B)	**27900**	ug/L	662	36.8	1	02/22/25 15:20	02/23/25 19:07		
Vanadium	ND	ug/L	5.0	1.6	1	02/22/25 15:20	02/23/25 19:07	7440-62-2	
Zinc	**24.5**	ug/L	10.0	3.0	1	02/22/25 15:20	02/23/25 19:07	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Cobalt	**7.7**	ug/L	1.0	0.14	1	03/13/25 01:00	03/17/25 16:41	7440-48-4	
Iron	**3320**	ug/L	20.0	3.0	1	03/13/25 01:00	03/17/25 16:41	7439-89-6	
Lead	ND	ug/L	1.0	0.18	1	03/13/25 01:00	03/17/25 16:41	7439-92-1	
Lithium	**5.2**	ug/L	2.5	0.33	1	03/13/25 01:00	03/17/25 16:41	7439-93-2	
Manganese	**169**	ug/L	2.0	0.24	1	03/13/25 01:00	03/17/25 16:41	7439-96-5	
Potassium	**2000**	ug/L	100	18.0	1	03/13/25 01:00	03/17/25 16:41	7440-09-7	
Sodium	**14200**	ug/L	250	14.4	1	03/13/25 01:00	03/17/25 16:41	7440-23-5	
Thallium	**0.033J**	ug/L	0.20	0.028	1	03/13/25 01:00	03/17/25 16:41	7440-28-0	
Tin	ND	ug/L	1.0	0.14	1	03/13/25 01:00	03/17/25 16:41	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 15:40	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 14:34	64743-03-9	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**122**	mg/L	10.0	10.0	1		02/25/25 11:06		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Sample: 022025NABC1607 **Lab ID: 92780713004** Collected: 02/20/25 12:00 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	**9.6**	mg/L	1.0	0.60	1		02/22/25 14:20	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/22/25 14:20	16984-48-8	
Sulfate	**40.1**	mg/L	1.0	0.50	1		02/22/25 14:20	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Total Organic Carbon	**0.55J**	mg/L	1.0	0.50	1		02/26/25 13:56	7440-44-0	
Total Organic Carbon	**0.55J**	mg/L	1.0	0.50	1		02/26/25 13:56	7440-44-0	
Total Organic Carbon	**0.53J**	mg/L	1.0	0.50	1		02/26/25 13:56	7440-44-0	
Total Organic Carbon	**0.53J**	mg/L	1.0	0.50	1		02/26/25 13:56	7440-44-0	
Mean Total Organic Carbon	**0.54J**	mg/L	1.0	0.50	1		02/26/25 13:56	7440-44-0	

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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Sample: 022025NABC1614 **Lab ID: 92780713005** Collected: 02/20/25 15:20 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	0.050	0.0086	2		02/21/25 13:06	18540-29-9	D3
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 19:23	7440-36-0	
Arsenic	**50.4**	ug/L	10.0	2.5	1	02/22/25 15:20	02/23/25 19:23	7440-38-2	
Barium	**174**	ug/L	5.0	0.79	1	02/22/25 15:20	02/23/25 19:23	7440-39-3	
Beryllium	ND	ug/L	1.0	0.16	1	02/22/25 15:20	02/23/25 19:23	7440-41-7	
Boron	**207**	ug/L	50.0	4.0	1	02/22/25 15:20	02/23/25 19:23	7440-42-8	
Cadmium	ND	ug/L	1.0	0.29	1	02/22/25 15:20	02/23/25 19:23	7440-43-9	
Calcium	**13100**	ug/L	100	14.7	1	02/22/25 15:20	02/23/25 19:23	7440-70-2	
Chromium	**0.69J**	ug/L	5.0	0.63	1	02/22/25 15:20	02/23/25 19:23	7440-47-3	
Copper	**0.67J**	ug/L	5.0	0.62	1	02/22/25 15:20	02/23/25 19:23	7440-50-8	
Molybdenum	ND	ug/L	5.0	2.6	1	02/22/25 15:20	02/23/25 19:23	7439-98-7	
Nickel	**15.5**	ug/L	5.0	0.88	1	02/22/25 15:20	02/23/25 19:23	7440-02-0	
Selenium	ND	ug/L	10.0	4.1	1	02/22/25 15:20	02/24/25 13:40	7782-49-2	
Silver	ND	ug/L	5.0	0.49	1	02/22/25 15:20	02/23/25 19:23	7440-22-4	
Hardness, Total(SM 2340B)	**60100**	ug/L	662	36.8	1	02/22/25 15:20	02/23/25 19:23		
Vanadium	ND	ug/L	5.0	1.6	1	02/22/25 15:20	02/23/25 19:23	7440-62-2	
Zinc	**11.6**	ug/L	10.0	3.0	1	02/22/25 15:20	02/23/25 19:23	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Cobalt	**19.4**	ug/L	1.0	0.14	1	03/13/25 01:00	03/17/25 16:48	7440-48-4	
Iron	**30200**	ug/L	200	29.8	10	03/13/25 01:00	03/17/25 16:52	7439-89-6	
Lead	ND	ug/L	1.0	0.18	1	03/13/25 01:00	03/17/25 16:48	7439-92-1	
Lithium	**14.7**	ug/L	2.5	0.33	1	03/13/25 01:00	03/17/25 16:48	7439-93-2	
Manganese	**217**	ug/L	20.0	2.4	10	03/13/25 01:00	03/17/25 16:52	7439-96-5	
Potassium	**4120**	ug/L	100	18.0	1	03/13/25 01:00	03/17/25 16:48	7440-09-7	
Sodium	**24700**	ug/L	2500	144	10	03/13/25 01:00	03/17/25 16:52	7440-23-5	
Thallium	ND	ug/L	0.20	0.028	1	03/13/25 01:00	03/17/25 16:48	7440-28-0	
Tin	ND	ug/L	1.0	0.14	1	03/13/25 01:00	03/17/25 16:48	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 15:42	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 14:35	64743-03-9	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**207**	mg/L	10.0	10.0	1		02/25/25 11:06		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Sample: 022025NABC1614 **Lab ID: 92780713005** Collected: 02/20/25 15:20 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	**27.4**	mg/L	1.0	0.60	1		02/22/25 14:33	16887-00-6	
Fluoride	**0.059J**	mg/L	0.10	0.050	1		02/22/25 14:33	16984-48-8	
Sulfate	**38.0**	mg/L	1.0	0.50	1		02/22/25 14:33	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Total Organic Carbon	**2.1**	mg/L	1.0	0.50	1		02/26/25 14:13	7440-44-0	
Total Organic Carbon	**2.0**	mg/L	1.0	0.50	1		02/26/25 14:13	7440-44-0	
Total Organic Carbon	**2.0**	mg/L	1.0	0.50	1		02/26/25 14:13	7440-44-0	
Total Organic Carbon	**2.0**	mg/L	1.0	0.50	1		02/26/25 14:13	7440-44-0	
Mean Total Organic Carbon	**2.0**	mg/L	1.0	0.50	1		02/26/25 14:13	7440-44-0	

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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Sample: 022025NABCFDDUPLICATE **Lab ID: 92780713006** Collected: 02/20/25 12:05 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 12:13	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 19:26	7440-36-0	
Arsenic	ND	ug/L	10.0	2.5	1	02/22/25 15:20	02/23/25 19:26	7440-38-2	
Barium	**37.6**	ug/L	5.0	0.79	1	02/22/25 15:20	02/23/25 19:26	7440-39-3	
Beryllium	**0.18J**	ug/L	1.0	0.16	1	02/22/25 15:20	02/23/25 19:26	7440-41-7	
Boron	**196**	ug/L	50.0	4.0	1	02/22/25 15:20	02/23/25 19:26	7440-42-8	
Cadmium	ND	ug/L	1.0	0.29	1	02/22/25 15:20	02/23/25 19:26	7440-43-9	
Calcium	**5610**	ug/L	100	14.7	1	02/22/25 15:20	02/23/25 19:26	7440-70-2	
Chromium	ND	ug/L	5.0	0.63	1	02/22/25 15:20	02/23/25 19:26	7440-47-3	
Copper	**0.64J**	ug/L	5.0	0.62	1	02/22/25 15:20	02/23/25 19:26	7440-50-8	
Molybdenum	ND	ug/L	5.0	2.6	1	02/22/25 15:20	02/23/25 19:26	7439-98-7	
Nickel	**8.2**	ug/L	5.0	0.88	1	02/22/25 15:20	02/23/25 19:26	7440-02-0	
Selenium	ND	ug/L	10.0	4.1	1	02/22/25 15:20	02/24/25 13:43	7782-49-2	
Silver	ND	ug/L	5.0	0.49	1	02/22/25 15:20	02/23/25 19:26	7440-22-4	
Hardness, Total(SM 2340B)	**26900**	ug/L	662	36.8	1	02/22/25 15:20	02/23/25 19:26		
Vanadium	ND	ug/L	5.0	1.6	1	02/22/25 15:20	02/23/25 19:26	7440-62-2	
Zinc	**21.1**	ug/L	10.0	3.0	1	02/22/25 15:20	02/23/25 19:26	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Cobalt	**7.3**	ug/L	1.0	0.14	1	03/13/25 01:00	03/17/25 16:56	7440-48-4	
Iron	**3130**	ug/L	20.0	3.0	1	03/13/25 01:00	03/17/25 16:56	7439-89-6	
Lead	ND	ug/L	1.0	0.18	1	03/13/25 01:00	03/17/25 16:56	7439-92-1	
Lithium	**4.9**	ug/L	2.5	0.33	1	03/13/25 01:00	03/17/25 16:56	7439-93-2	
Manganese	**161**	ug/L	2.0	0.24	1	03/13/25 01:00	03/17/25 16:56	7439-96-5	
Potassium	**1920**	ug/L	100	18.0	1	03/13/25 01:00	03/17/25 16:56	7440-09-7	
Sodium	**13600**	ug/L	250	14.4	1	03/13/25 01:00	03/17/25 16:56	7440-23-5	
Thallium	**0.034J**	ug/L	0.20	0.028	1	03/13/25 01:00	03/17/25 16:56	7440-28-0	
Tin	ND	ug/L	1.0	0.14	1	03/13/25 01:00	03/17/25 16:56	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 15:44	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 14:35	64743-03-9	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**237**	mg/L	10.0	10.0	1		02/25/25 11:06		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Sample: 022025NABCFDDUPLICATE **Lab ID: 92780713006** Collected: 02/20/25 12:05 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	**9.7**	mg/L	1.0	0.60	1		02/22/25 14:46	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/22/25 14:46	16984-48-8	
Sulfate	**40.2**	mg/L	1.0	0.50	1		02/22/25 14:46	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Total Organic Carbon	**0.69J**	mg/L	1.0	0.50	1		02/26/25 14:30	7440-44-0	
Total Organic Carbon	**0.52J**	mg/L	1.0	0.50	1		02/26/25 14:30	7440-44-0	
Total Organic Carbon	**0.50J**	mg/L	1.0	0.50	1		02/26/25 14:30	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		02/26/25 14:30	7440-44-0	
Mean Total Organic Carbon	**0.55J**	mg/L	1.0	0.50	1		02/26/25 14:30	7440-44-0	

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

QC Batch: 917467
QC Batch Method: EPA 7199
Analysis Method: EPA 7199
Analysis Description: 7199 Chromium, Hexavalent
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92780713001, 92780713002

METHOD BLANK: 4715505 Matrix: Water
Associated Lab Samples: 92780713001, 92780713002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chromium, Hexavalent	ug/L	ND	0.025	0.0043	02/20/25 15:14	

LABORATORY CONTROL SAMPLE: 4715506

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	ug/L	0.1	0.10	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4715507 4715508

Parameter	Units	92780477004 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	ND	0.1	0.1	0.12	0.11	119	111	90-110	7	20	M1

SAMPLE DUPLICATE: 4715509

Parameter	Units	92780713001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chromium, Hexavalent	ug/L	ND	ND		20	D3

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

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: 92780713003, 92780713004, 92780713005, 92780713006

METHOD BLANK: 4716726 Matrix: Water
Associated Lab Samples: 92780713003, 92780713004, 92780713005, 92780713006

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_GrpA
Pace Project No.: 92780713

QC Batch: 917873
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780713001, 92780713002

METHOD BLANK: 4717713 Matrix: Water
Associated Lab Samples: 92780713001, 92780713002

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_GrpA
Pace Project No.: 92780713

QC Batch: 917994
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780713003, 92780713004, 92780713005, 92780713006

METHOD BLANK: 4718040 Matrix: Water
Associated Lab Samples: 92780713003, 92780713004, 92780713005, 92780713006

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_GrpA
Pace Project No.: 92780713

QC Batch: 917950
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780713001, 92780713002, 92780713003, 92780713004, 92780713005, 92780713006

METHOD BLANK: 4717941 Matrix: Water
Associated Lab Samples: 92780713001, 92780713002, 92780713003, 92780713004, 92780713005, 92780713006

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_GrpA
Pace Project No.: 92780713

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_GrpA
Pace Project No.: 92780713

QC Batch: 921898
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780713003, 92780713004, 92780713005, 92780713006

METHOD BLANK: 4736903 Matrix: Water
Associated Lab Samples: 92780713003, 92780713004, 92780713005, 92780713006

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

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QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

QC Batch: 922080
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780713001, 92780713002

METHOD BLANK: 4737785 Matrix: Water
Associated Lab Samples: 92780713001, 92780713002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Cobalt	ug/L	ND	1.0	0.14	03/14/25 18:09	
Iron	ug/L	ND	20.0	3.0	03/14/25 18:09	
Lead	ug/L	ND	1.0	0.18	03/14/25 18:09	
Lithium	ug/L	ND	2.5	0.33	03/14/25 18:09	
Manganese	ug/L	ND	2.0	0.24	03/14/25 18:09	
Potassium	ug/L	ND	100	18.0	03/14/25 18:09	
Sodium	ug/L	ND	250	14.4	03/14/25 18:09	
Thallium	ug/L	ND	0.20	0.028	03/14/25 18:09	
Tin	ug/L	ND	1.0	0.14	03/14/25 18:09	

LABORATORY CONTROL SAMPLE: 4737786

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cobalt	ug/L	50	50.6	101	80-120	
Iron	ug/L	1250	1240	100	80-120	
Lead	ug/L	50	51.6	103	80-120	
Lithium	ug/L	50	52.6	105	80-120	
Manganese	ug/L	50	51.5	103	80-120	
Potassium	ug/L	2500	2290	92	80-120	
Sodium	ug/L	2500	2500	100	80-120	
Thallium	ug/L	25	25.2	101	80-120	
Tin	ug/L	50	49.4	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4737787 4737788

Parameter	Units	92784400003 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	49.6	52.7	99	105	75-125	6	20	
Iron	ug/L	12.7J	1250	1250	1250	1360	99	108	75-125	9	20	
Lead	ug/L	ND	50	50	50.9	54.9	102	110	75-125	7	20	
Lithium	ug/L	6.4	50	50	56.3	59.6	100	106	75-125	6	20	
Manganese	ug/L	4.6	50	50	56.0	59.2	103	109	75-125	6	20	
Potassium	ug/L	1680	2500	2500	3960	4380	91	108	75-125	10	20	
Sodium	ug/L	25500	2500	2500	28500	31100	118	224	75-125	9	20	M1
Thallium	ug/L	ND	25	25	24.3	27.4	97	109	75-125	12	20	
Tin	ug/L	ND	50	50	51.0	53.8	102	107	75-125	5	20	

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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_GrpA
Pace Project No.: 92780713

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: 92780713001, 92780713002, 92780713003, 92780713004, 92780713005, 92780713006

METHOD BLANK: R4181371-1 Matrix: Water
Associated Lab Samples: 92780713001, 92780713002, 92780713003, 92780713004, 92780713005, 92780713006

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	92780713003 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	L1829618-02 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	0.938	0.953	93.8	95.3	90.0-110	1.59	20	

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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_GrpA
Pace Project No.: 92780713

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: 92780713001, 92780713002, 92780713003, 92780713004, 92780713005, 92780713006

METHOD BLANK: 4717974 Matrix: Water
Associated Lab Samples: 92780713001, 92780713002, 92780713003, 92780713004, 92780713005, 92780713006

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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(704)875-9092

QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

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: 92780713001, 92780713002

METHOD BLANK: 4716294 Matrix: Water
Associated Lab Samples: 92780713001, 92780713002

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

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

QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

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: 92780713003, 92780713004, 92780713005, 92780713006

METHOD BLANK: 4717836 Matrix: Water
Associated Lab Samples: 92780713003, 92780713004, 92780713005, 92780713006

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

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

QC Batch: 918413
QC Batch Method: EPA 9060A
Analysis Method: EPA 9060A
Analysis Description: 9060 TOC, AVL
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780713001, 92780713002, 92780713003, 92780713004, 92780713005, 92780713006

METHOD BLANK: 4720123 Matrix: Water
Associated Lab Samples: 92780713001, 92780713002, 92780713003, 92780713004, 92780713005, 92780713006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 11:09	
Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 11:09	
Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 11:09	
Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 11:09	
Total Organic Carbon	mg/L	ND	1.0	0.50	02/26/25 11:09	

LABORATORY CONTROL SAMPLE: 4720124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	25	24.0	96	75-125	
Total Organic Carbon	mg/L	25	23.9	95	75-125	
Total Organic Carbon	mg/L	25	24.0	96	75-125	
Total Organic Carbon	mg/L	25	23.9	96	75-125	
Total Organic Carbon	mg/L	25	24.1	97	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4720125 4720126

Parameter	Units	92780713003 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	24.4	24.4	98	98	75-125	0	25	
Total Organic Carbon	mg/L	ND	25	25	24.5	24.3	98	97	75-125	1	25	
Total Organic Carbon	mg/L	ND	25	25	24.5	24.4	98	98	75-125	0	25	
Total Organic Carbon	mg/L	ND	25	25	24.1	24.4	96	98	75-125	1	25	
Total Organic Carbon	mg/L	ND	25	25	24.5	24.5	98	98	75-125	0	25	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

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.
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.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PPPS_1SA2025_CCR_GrpA
Pace Project No.: 92780713

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92780713001	**021925NABC1608**	EPA 7199	917467		
92780713002	**021925NABCFBBLANK**	EPA 7199	917467		
92780713003	**022025NABC1602**	EPA 7199	917723		
92780713004	**022025NABC1607**	EPA 7199	917723		
92780713005	**022025NABC1614**	EPA 7199	917723		
92780713006	**022025NABCFDDUPLICATE**	EPA 7199	917723		
92780713001	**021925NABC1608**	EPA 3010A	917950	EPA 6010D	917964
92780713002	**021925NABCFBBLANK**	EPA 3010A	917950	EPA 6010D	917964
92780713003	**022025NABC1602**	EPA 3010A	917950	EPA 6010D	917964
92780713004	**022025NABC1607**	EPA 3010A	917950	EPA 6010D	917964
92780713005	**022025NABC1614**	EPA 3010A	917950	EPA 6010D	917964
92780713006	**022025NABCFDDUPLICATE**	EPA 3010A	917950	EPA 6010D	917964
92780713001	**021925NABC1608**	EPA 3010A	922080	EPA 6020B	922112
92780713002	**021925NABCFBBLANK**	EPA 3010A	922080	EPA 6020B	922112
92780713003	**022025NABC1602**	EPA 3010A	921898	EPA 6020B	921911
92780713004	**022025NABC1607**	EPA 3010A	921898	EPA 6020B	921911
92780713005	**022025NABC1614**	EPA 3010A	921898	EPA 6020B	921911
92780713006	**022025NABCFDDUPLICATE**	EPA 3010A	921898	EPA 6020B	921911
92780713001	**021925NABC1608**	EPA 7470A	917873	EPA 7470A	918003
92780713002	**021925NABCFBBLANK**	EPA 7470A	917873	EPA 7470A	918003
92780713003	**022025NABC1602**	EPA 7470A	917994	EPA 7470A	918664
92780713004	**022025NABC1607**	EPA 7470A	917994	EPA 7470A	918664
92780713005	**022025NABC1614**	EPA 7470A	917994	EPA 7470A	918664
92780713006	**022025NABCFDDUPLICATE**	EPA 7470A	917994	EPA 7470A	918664
92780713001	**021925NABC1608**	SW-846 9066	2459104	EPA 9066	2459104
92780713002	**021925NABCFBBLANK**	SW-846 9066	2459104	EPA 9066	2459104
92780713003	**022025NABC1602**	SW-846 9066	2459104	EPA 9066	2459104
92780713004	**022025NABC1607**	SW-846 9066	2459104	EPA 9066	2459104
92780713005	**022025NABC1614**	SW-846 9066	2459104	EPA 9066	2459104
92780713006	**022025NABCFDDUPLICATE**	SW-846 9066	2459104	EPA 9066	2459104
92780713001	**021925NABC1608**	SM 2540C-2015	917971		
92780713002	**021925NABCFBBLANK**	SM 2540C-2015	917971		
92780713003	**022025NABC1602**	SM 2540C-2015	917971		
92780713004	**022025NABC1607**	SM 2540C-2015	917971		
92780713005	**022025NABC1614**	SM 2540C-2015	917971		
92780713006	**022025NABCFDDUPLICATE**	SM 2540C-2015	917971		
92780713001	**021925NABC1608**	EPA 9056A	917605		
92780713002	**021925NABCFBBLANK**	EPA 9056A	917605		
92780713003	**022025NABC1602**	EPA 9056A	917919		
92780713004	**022025NABC1607**	EPA 9056A	917919		
92780713005	**022025NABC1614**	EPA 9056A	917919		
92780713006	**022025NABCFDDUPLICATE**	EPA 9056A	917919		
92780713001	**021925NABC1608**	EPA 9060A	918413		

REPORT OF LABORATORY ANALYSIS

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_GrpA
Pace Project No.: 92780713

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92780713002	**021925NABCFBBLANK**	EPA 9060A	918413		
92780713003	**022025NABC1602**	EPA 9060A	918413		
92780713004	**022025NABC1607**	EPA 9060A	918413		
92780713005	**022025NABC1614**	EPA 9060A	918413		
92780713006	**022025NABCFDDUPLICATE**	EPA 9060A	918413		

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# : 92780713

92780713

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 2/20/25

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

Thermometer: ☐ IR Gun ID: 92783 **Type of Ice:** ☒ Wet ☐ Blue ☐ None

Cooler Temp (°C): 1.7 **Correction Factor: Add / Subtract (°C)** 0

Corrected Cooler Temp (°C): 1.7

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:** _____

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#: 92780713

PM: SK **Due Date: 03/06/25**

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)	BP1N	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																													
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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-GroupA-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_GrpA	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 3222681

Preservation non-conformance identified for sample.

* 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 25NABC1602 MK 2/19/25	WT									X	X	X	X	X	X	X	-All samples
02 25NABC1607 MK 2/19/25	WT									X	X	X	X	X	X	X	preservation
02 25NABC1608	WT	G			2/19/25	1610	11			X	X	X	X	X	X	X	-Level II data
02 25NABC1614 MK 2/19/25	WT									X	X	X	X	X	X	X	package requested
02 25NABCFDDUPLICATE MK 2/19/25	WT									X	X	X	X	X	X	X	
02 25NABCFBBLANK	WT	G			2/19/25	1642	11			X	X	X	X	X	X	X	
02 25 MS MK 2/19/25	WT									X	X	X	X	X	X	X	
02 25 MSD MK 2/19/25	WT									X	X	X	X	X	X	X	

Additional Instructions from Pace®:

Collected By: (Printed Name) M. Kratz, S. Carmouche

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	92-T083	1.7			

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
2/19 1530 MK 2/19/25	2/19/25 @ 1500		2/20/25 11:15	772123783328
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 1

EPA method 7199 - Hexavalent Chromium pH Adjustment

HBN	917467
Analyst Initials	VJM
pH Meter	92pH6

Batch # 65698

VJM 2/20/25

WO# 92780713 ~~WO# 92780713~~ WO# 92780477

Lab Sample ID	Volume of Adjusted Sample (mL)	Initial pH	2/20/25 Date/Time Adjusted	Final pH	Volume of Adjustment Buffer (mL)	Volume of NaOH (mL)	Adjustment Buffer Standard ID	NaOH Standard ID	Comments
92780477004	20mL	5.4	2/20/25	9.00	.080mL		300471		
92780477006	10mL	5.5	2/20/25	9.00	.060mL				
92780713001	10mL	5.8	2/20/25	9.00	.050mL				
92780477005	10mL	5.6	2/20/25	9.00	.050mL				
92780713002	10mL	5.7	2/20/25	9.40	.050mL				

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

Proje **WO# : 92780713**

92780713

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 2/04/25

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

Thermometer: ☐ IR Gun ID: 97T083 **Type of Ice:** ☑ Wet ☐ Blue ☐ None

Cooler Temp (°C): 1.3,2.0 **Correction Factor: Add / Subtract (°C)** 0

Corrected Cooler Temp (°C): 1.3,2.0

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:** _____

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#: 92780713

PM: SK Due Date: 03/06/25

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)		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		3	3											10					9					10				
2		1	1											2					3					2				
3		1	1											2					3					2				
4		1	1											2					3					2				
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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/USWMR-Group A-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_GrpA	Invoice To:	Kelly Hicks
		Invoice E-Mail:	kelly.a.hicks@dominionenergy.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	S0149081
		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:

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 3222681**

* 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	Preservation non conformance identified for sample.
02 20 25NABC1602	WT	G			2/20/25	1200	33			X	X	X	X	X	X	X	-All samples	
02 20 25NABC1607	WT	G			2/20/25	1200	11			X	X	X	X	X	X	X	preserved on ice	
~~02 25NABC1608~~ MK 2/20/25	WT									X	X	X	X	X	X	X	-MS/MSD collected	
02 20 25NABC1614	WT	G			2/20/25	1520	11			X	X	X	X	X	X	X	at ABC-1602; IMS:	
02 20 25NABCFDDUPLICATE	WT	G			2/20/25	1205	11			X	X	X	X	X	X	X	022025MS/022025MSD	
~~02 25NABCFRBLANK~~ MK 2/20/25	WT									X	X	X	X	X	X	X	-Level II data	
~~02 25 MS~~ MK 2/20/25	WT									X	X	X	X	X	X	X	package requested	
~~02 25 MSD~~ MK 2/20/25	WT									X	X	X	X	X	X	X	Tracking #'s cont.:	
																	772125783409 772125783410	
																	772125783420	

Additional Instructions from Pace®:

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

Signature: M. Krez / [signature] / S. Carnouche

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	92T083	1.3, 2.0			

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
MKrez / WSP	2/20/25 @ 1700	KIMD PACE PHL	2/21/25 10:30
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: 772125783291, 772125783353, 772125783394

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

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 19, 2025

Pace Analytical - Kernersville, NC

Sample Delivery Group:	L1829584
Samples Received:	02/25/2025
Project Number:	92780713
Description:	PPS_1SA2025_CCR_GrpA
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.

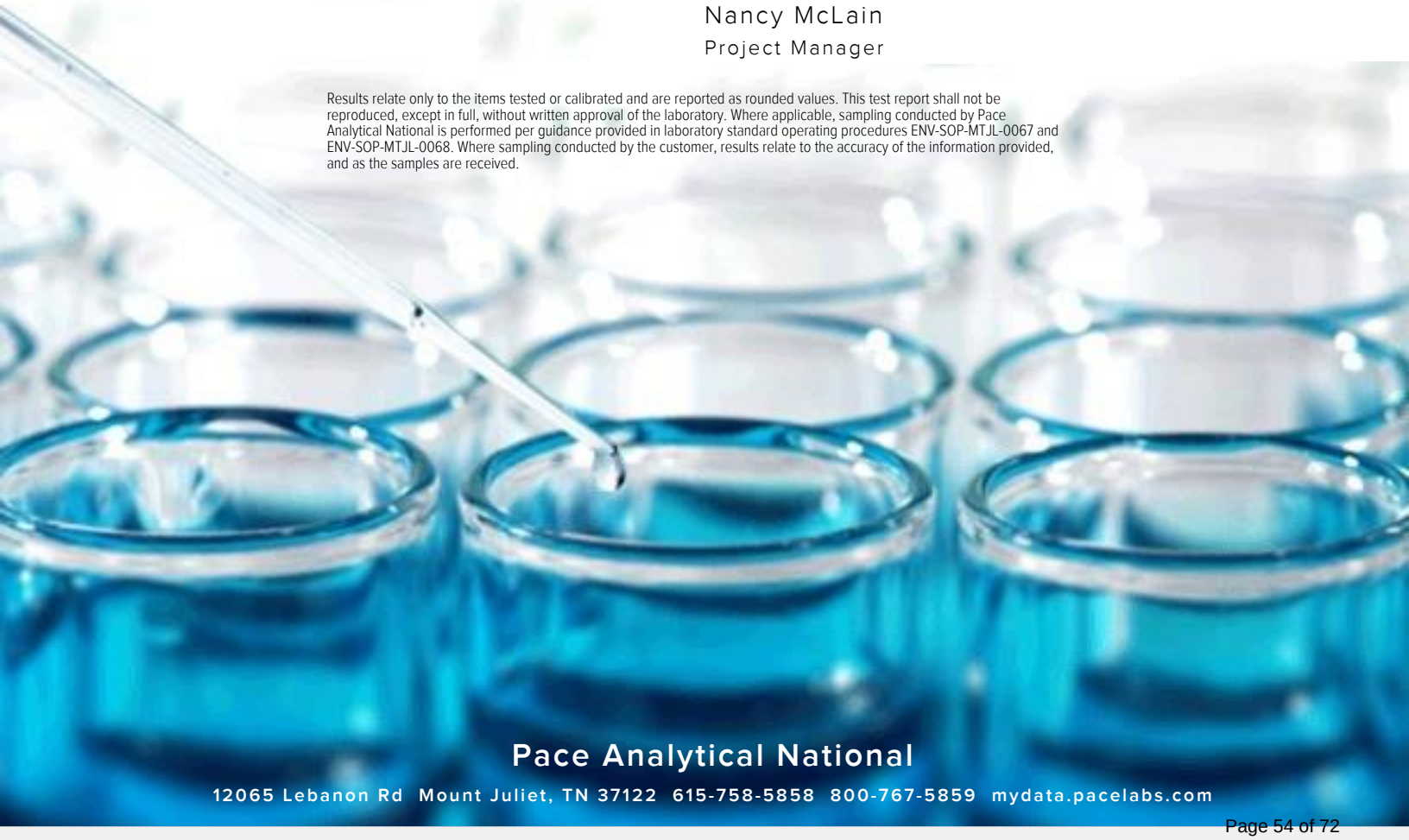

TABLE OF CONTENTS

021925NABC1608 L1829584-01 Non-Potable Water

Collected by | Collected date/time 02/19/25 16:10 | Received date/time 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 22:42	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

021925NABCFBBLANK L1829584-02 Non-Potable Water

Collected by | Collected date/time 02/19/25 16:42 | Received date/time 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 23:43	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

022025NABC1602 L1829584-03 Non-Potable Water

Collected by | Collected date/time 02/20/25 12:00 | Received date/time 02/25/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2466317	1	03/11/25 14:23	03/17/25 16:34	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	WG2466317	1	03/11/25 14:23	03/17/25 16:34	ASN	Mt. Juliet, TN

02025NABC1607 L1829584-04 Non-Potable Water

Collected by | Collected date/time 02/20/25 12:00 | Received date/time 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 23:43	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 23:43	DDD	Mt. Juliet, TN

02025NABC1614 L1829584-05 Non-Potable Water

Collected by | Collected date/time 02/20/25 15:20 | Received date/time 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 23:43	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 23:43	DDD	Mt. Juliet, TN

022025NABCFDDUPLICATE L1829584-06 Non-Potable Water

Collected by | Collected date/time 02/20/25 12:05 | Received date/time 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 23:43	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 23:43	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.

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	0.194	U	0.335	0.618	0.619	0.213	03/10/2025 22:42	WG2460191
(T) Barium	*36.8*					*30.0-143*	*03/10/2025 22:42*	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	1.91		0.370	0.658	0.618	0.324	03/11/2025 18:53	WG2460391
(T) Barium	*115*					*30.0-143*	*03/11/2025 18:53*	WG2460391
(T) Yttrium	*93.1*					*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	2.10		0.499	0.875	03/11/2025 18:53	WG2460191

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	0.0950	U	0.174	0.311	0.318	0.124	03/10/2025 23:43	WG2460191
(T) Barium	*99.7*					*30.0-143*	*03/10/2025 23:43*	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	0.0843	U	0.221	0.429	0.404	0.213	03/11/2025 18:53	WG2460391
(T) Barium	*119*					*30.0-143*	*03/11/2025 18:53*	WG2460391
(T) Yttrium	*91.0*					*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	0.179	U	0.281	0.514	03/11/2025 18:53	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	0.499		0.257	0.395	0.290	0.106	03/17/2025 16:34	WG2466317
(T) Barium	*102*					*30.0-143*	*03/17/2025 16:34*	WG2466317

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	1.43		0.310	0.513	0.509	0.265	03/10/2025 17:42	WG2461521
(T) Barium	*101*					*30.0-143*	*03/10/2025 17:42*	WG2461521
(T) Yttrium	*95.3*					*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	1.92		0.403	0.586	03/17/2025 16:34	WG2466317

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	0.292	J	0.224	0.363	0.327	0.127	03/10/2025 23:43	WG2460191
(T) Barium	*98.2*					*30.0-143*	*03/10/2025 23:43*	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	0.658		0.330	0.546	0.564	0.294	03/10/2025 17:42	WG2461521
(T) Barium	*107*					*30.0-143*	*03/10/2025 17:42*	WG2461521
(T) Yttrium	*84.7*					*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	0.951		0.399	0.652	03/10/2025 23:43	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	0.264		0.182	0.320	0.230	0.0792	03/10/2025 23:43	WG2460191
(T) Barium	*99.3*					*30.0-143*	*03/10/2025 23:43*	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	1.67		0.397	0.687	0.654	0.343	03/10/2025 17:42	WG2461521
(T) Barium	*109*					*30.0-143*	*03/10/2025 17:42*	WG2461521
(T) Yttrium	*91.8*					*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	1.93		0.437	0.693	03/10/2025 23:43	WG2460191

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	0.152	J	0.157	0.299	0.243	0.0837	03/10/2025 23:43	WG2460191
(T) Barium	*93.7*					*30.0-143*	*03/10/2025 23:43*	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	0.669		0.306	0.527	0.522	0.273	03/10/2025 17:42	WG2461521
(T) Barium	*110*					*30.0-143*	*03/10/2025 17:42*	WG2461521
(T) Yttrium	*81.8*					*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	0.821		0.344	0.576	03/10/2025 23:43	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) R4188039-1 03/17/25 15:30

Analyte	MB Result	MB Qualifier	MB 2 sigma CE	MB MDA	MB Lc
	pCi/l		+ / -	pCi/l	pCi/l
Radium-226	-0.0261	U	0.0808	0.188	0.0745
(T) Barium	*104*		*104*		

L1834244-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1834244-01 03/17/25 19:35 • (DUP) R4188039-5 03/17/25 16:34

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	0.361	0.226	0.285	0.104	-0.104	0.322	0.748	0.297	200	1.18	U	20	3
(T) Barium	*103*				*103*	*103*							

Laboratory Control Sample (LCS)

(LCS) R4188039-2 03/17/25 15:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	pCi/l	pCi/l	%	%	
Radium-226	5.00	5.26	105	80.0-120	
(T) Barium			*104*		

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

(OS) L1829584-03 03/17/25 16:34 • (MS) R4188039-3 03/17/25 15:30 • (MSD) R4188039-4 03/17/25 15:30

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	0.499	21.8	21.7	106	106	1	75.0-125			0.322		20
(T) Barium		*102*			*104*	*101*							

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*							

Method Blank (MB)

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

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc 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 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	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 pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
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 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	1.43	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*							

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.

C129

Internal Transfer Chain of Custody

Workorder: 92780713 Workorder Name: PPPS_1SA2025_CCR_GrpA

☐ Rush Multiplier____X
☐ Samples Pre-Logged into eCOC

State Of Origin: VA
Cert. Needed: [X] Yes ☐ No
Owner Received Date: 2/20/2025 Results Requested By: 3/6/2025

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	HNO3 (Preserved Containers)	H2SO4 (Preserved Containers)	Phenol by 9066	Ra 226/903.0	Ra228/904.0 + Combined Ra	LAB USE ONLY L1829584
1	021925NABC1608	PS	2/19/2025 16:10	92780713001	Water	2	2	X	X	X	-01
2	021925NABCFBBLANK	PS	2/19/2025 16:42	92780713002	Water	2	2	X	X	X	-02
3	022025NABC1602	RQS	2/20/2025 12:00	92780713003	Water	6	6	X	X	X	-03
4	022025NABC1607	PS	2/20/2025 12:00	92780713004	Water	2	2	X	X	X	-04
5	022025NABC1614	PS	2/20/2025 15:20	92780713005	Water	2	2	X	X	X	-05
6	022025NABCFDDUPLICATE	PS	2/20/2025 12:05	92780713006	Water	2	2	X	X	X	-06

Transfers	Released By	Date/Time	Received By	Date/Time
1	JCE Pace Hu	2-24-25 1800	Ashley Baxter	02/25/2025 0900
2				
3				

Comments: *MS/MSD required on sample 003

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: 32

PH – 10BDH2631
TRC – 4072A72

LF629584

INTER_LABORATORY WORK ORDER # 92780713

(To be completed by sending lab)

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

Sending Project No:	92780713
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	02/24/25
REQUESTED COMPLETION DATE:	**3/6/2025**

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	6	SI-21WET	SUB PASI WET
Ra 226/903.0	BP1N		HNO3	6	SI-38RAD	SUB PASI RAD
Ra228/904.0 + Combined Ra	BP1N		HNO3	6	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# L1829584

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 19-20, 2025, Sampling Event

COC ID: PPPS-1SA2025-CCR/VSWMR-GroupA-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_GrpA
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 3222681

* 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/F/SO4	Phenol by 9066 - PN	RADS 226/228 - PN	Total Organic Carbon Asheville	Sample Comment	Preservation non-conformance identified for sample
~~02__25NABC1602~~ MK 2/19/25	WT									X	X	X	X	X	X	X	-All samples	
~~02__25NABC1607~~ MK 2/19/25	WT									X	X	X	X	X	X	X	preserved on ice	
0219_25NABC1608	WT	G			2/19/25	1610	11			X	X	X	X	X	X	X	-Level II data	
~~02__25NABC1614~~ MK 2/19/25	WT									X	X	X	X	X	X	X	package requested	
~~02__25NABCFDDUPLICATE~~ MK 2/19/25	WT									X	X	X	X	X	X	X		
0219_25NABCFBBLANK	WT	G			2/19/25	1642	11			X	X	X	X	X	X	X		
~~02__25______MS~~ MK 2/19/25	WT									X	X	X	X	X	X	X		
~~02__25______MSD~~ MK 2/19/25	WT									X	X	X	X	X	X	X		

Additional Instructions from Pace®:

Collected By: (Printed Name) M. Knez, S. Carmouche
Signature: [signatures]

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers	Thermometer ID	Correction Factor (°C)	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice
1	92T083	1.7			

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
M. Knez / WSP ~~2/19/25~~ MK 2/19/25	2/19/25 @ 1800	[signature] Pace HM	2/20/25 11:15

Tracking Number: 772123783328, 772123783339
Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

COC ID: PPPS-1SA2025-CCR/USWMR-Group A-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_GrpA	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

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 3222681**

* 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	Preservation non conformance identified for sample.
02220 25NABC1602	WT	G			2/20/25	1200	33			X	X	X	X	X	X	X	-All samples	
02210 25NABC1607	WT	G			2/20/25	1200	11			X	X	X	X	X	X	X	preserved on ice	
~~02 25NABC1608~~ MK 2/20/25	WT									X	X	X	X	X	X	X	-MS/MSD collected	
02220 25NABC1614	WT	G			2/20/25	1520	11			X	X	X	X	X	X	X	at ABC-1602; IMS:	
02220 25NABCFDDUPLICATE	WT	G			2/20/25	1205	11			X	X	X	X	X	X	X	022025MS/022025MSD	
~~02 25NABCFRBLANK~~ MK 2/20/25	WT									X	X	X	X	X	X	X	-Level II data	
~~02 25 MS~~ MK 2/20/25	WT									X	X	X	X	X	X	X	package requested	
~~02 25 MSD~~ MK 2/20/25	WT									X	X	X	X	X	X	X	Tracking #'s cont.:	
																	772125783409 772125783410	
																	772125783420	

Additional Instructions from Pace®:

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

Signature: M. Krez / [signature] / S. Carnouche

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	92T083	1.3, 2.0			

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
MKrez / WSP	2/20/25 @ 1700	KIMD PACE PHL	2/21/25 10:30
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: 772125783291, 772125783353, 772125783394

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

C129

Internal Transfer Chain of Custody

Rush Multiplier_____X
Samples Pre-Logged into eCOC

State Of Origin: VA
Cert. Needed: [X] Yes [ ] No

Workorder: 92780713 Workorder Name: PPPS_1SA2025_CCR_GrpA Owner Received Date: 2/20/2025 Results Requested By: 3/6/2025

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	HNO3	H2SO4	Phenol by 9066	Ra 226/903.0	Ra228/904.0 + Combined Ra	L1829584 LAB USE ONLY
1	021925NABC1608	PS	2/19/2025 16:10	92780713001	Water	2	2	X	X	X	-01
2	021925NABCFBBLANK	PS	2/19/2025 16:42	92780713002	Water	2	2	X	X	X	-02
3	022025NABC1602	RQS	2/20/2025 12:00	92780713003	Water	6	6	X	X	X	-03
4	022025NABC1607	PS	2/20/2025 12:00	92780713004	Water	2	2	X	X	X	-04
5	022025NABC1614	PS	2/20/2025 15:20	92780713005	Water	2	2	X	X	X	-05
6	022025NABCFDDUPLICATE	PS	2/20/2025 12:05	92780713006	Water	2	2	X	X	X	-06

Transfers	Released By	Date/Time	Received By	Date/Time
1	Joe Pace Hu	2-24-25 1800	Ashley Baxter	02/25/2025 0900
2				
3				

Comments: *MS/MSD required on sample 003

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: 32

PH - 10BDH2631
TRC - 4072A72

Attachment IX

Field Data Sheets

February 19-20, 2025, Sampling Event

Date: 02/18/2025

WELL GAUGING LOG

Project Name: Possum – 1SA2025 ABC Pond

Project No./Task No.: US0041019.5094

Sampler(s): T. Torrisi

Equipment: Water Level Indicator

Well ID	Personnel (initials)	Time	DTW (feet)	DTB (feet)	Well Condition Summary				
					Protective Casing	Well Casing	Label	Lock	Pad Condition
ABC-1607	TT	1051	24.16	--	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged
ABC-1608	TT	1100	16.79	--	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged
ABC-1614	TT	1112	11.72	--	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged
ABC-1602	TT	1127	13.36	--	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged
ABC-1616	TT	1114	12.63	--	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged
ABC-1617	TT	1057	22.05	--	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged
ABC-1618	TT	1135	21.23	--	☑ 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
					☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged
					☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged
				MR 2/25/25	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged

Notes/Observations: All Wells in good Condition

Signature: M. Ky Date: 2/25/25

QA/QC Signature: [signature] Date: 2/25/25

Page 1 of 1

MICROPURGE SAMPLING LOG

Date: 2/20/25
Weather: sunny, 20's

Project Name: Possum Point Power Station
Project No./Task No.: US0041019.5094
Event: 1SA25 CCR + VSWMR
Sampler(s): M. Knez
Unique Well ID: ABC-1602
Field Calibration Completed: 2/20/25 @ 0850
Well Diameter: 2.0 inches
Initial Depth to Water: 13.43 feet
Depth to Bottom: 31.75 feet
Water Column Thickness: 18.32 feet

Equipment Used:
- [x] WL Indicator
- [x] Turbidity Meter 21017
- [ ] Air Tank
- [x] Dedicated Bladder Pump
- [x] YSI EXO2S 18X100510
- [ ] 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
1050	4.63	170.4	13.3	4.34	11.8	308.9	13.50	~200
1055	4.63	170.5	14.5	4.31	12.0	311.7	13.52	~200
1100	4.62	169.8	11.7	4.23	12.6	319.1	13.51	~300
1105	4.63	168.8	8.47	4.09	13.4	325.9	13.55	~380
1110	4.62	169.9	6.46	3.98	13.3	330.1	13.54	~380
1115	4.62	170.4	4.52	3.89	13.4	333.7	13.57	~380
1120	4.62	170.8	4.62	3.85	13.4	336.9	13.55	~380
1125	4.62	171.0	3.79	3.75	13.4	338.9	13.57	~380
1130	4.61	171.2	3.01	3.70	13.5	340.2	13.59	~380
1135	4.61	171.5	2.48	3.65	13.6	343.8	13.60	~380
1140	4.61	171.4	2.31	3.60	13.6	344.5	13.54	~380
1145	4.61	171.5	2.40	3.62	13.6	346.2	13.57	~380
1150	4.61	171.4	2.24	3.59	13.7	347.6	13.60	~380
1155	4.61	171.6	2.51	3.58	13.7	348.9	13.61	~380
1200				SAMPLE				
1240	4.59	171.0	2.24	3.64	13.5	343.0	13.75	~380
								mk 2/25/25

Purge Cycle (End): 15/5 @ 20 psi
Flow Rate (ml/min End): ~380
Purge volume (gallons) prior to stabilization monitoring (3/8" I.D. Tube: Vol=Depth to Pump x 0.006 gal/ft): ~0.16
Total Purge Volume (Gallons): ~8.5
Purge Water Management: On site containment
Purge Observations (color, odor, turbidity, sheen): clear grab sample MS/MSD taken here
Purge Time: 1030 DTP: 26.48
Sample Time: 1200
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: 022025NABC1602, 022025MS, 022025MSD

Sampler Signature: M. Knez Date: 2/20/25 Page 1 of 1
QA/QC Signature: [signature] Date: 2/25/25

wsp

MICROPURGE SAMPLING LOG

Date: 02/20/25
Weather: partly cloudy, 40°

Project Name: Possum Point Power Station
Project No./Task No.: US0041019.5094
Event: 1SA25 CCR + VSWMR
Sampler(s): K Wood
Unique Well ID: ABC-1607
Field Calibration Completed: 02/20/25 @ 0850
Well Diameter: 2.0 inches
Initial Depth to Water: 24.41 feet
Depth to Bottom: 36.21 feet
Water Column Thickness: 11.80 feet

Equipment Used:
- [x] WL Indicator
- [x] YSI ProDSS 23KW3049
- [ ] In-Situ —
- [x] Turbidity Meter 2100
- [ ] 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)°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
1017	4.35	158.5	126	4.37	13.1	139.0	25.85	~200
1022	4.94	150.6	93.3	2.88	12.5	104.4	25.87	~200
1027	4.95	148.3	36.1	2.20	12.6	98.2	25.80	~140
1032	4.95	147.9	28.6	1.97	12.9	99.1	25.76	~140
1037	4.92	150.3	27.3	1.81	13.2	102.2	25.72	~140
1042	4.92	150.9	30.4	1.71	12.8	106.9	25.80	~140
1047	4.92	150.1	26.6	1.76	12.8	109.8	25.77	~140
1052	4.90	151.9	24.1	1.63	13.0	~~10~~ 112.8	25.76	~140
1057	4.90	152.8	19.1	1.60	12.9	114.4	25.71	~140
~~10~~ 1102	4.90	153.2	17.5	1.62	13.1	116.2	25.75	~140
1107	4.89	154.2	15.0	1.54	12.7	117.1	25.74	~140
1112	4.90	154.9	13.8	1.50	12.7	117.8	25.74	~140
1117	4.90	155.5	13.9	1.46	12.6	118.0	25.75	~140
1122	4.90	156.0	12.9	1.44	12.6	118.6	25.81	~140
1127	4.91	156.6	11.7	1.42	12.7	119.4	25.79	~140
1132	4.91	155.2	10.8	1.39	12.8	119.4	25.78	~140
1137	4.90	157.6	9.73	1.38	12.8	119.7	25.77	~140

Purge Cycle (End): ~~2~~ 17/3 KW 2/25/25 @ ~25 psi
Flow Rate (ml/min End): ~140
Purge volume (gallons) prior to stabilization monitoring (3/8" I.D. Tube: Vol=Depth to Pump x 0.006 gal/ft): ~0.169
Total Purge Volume (Gallons): ~7.0
Purge Water Management: On site containment
Purge Observations (color, odor, turbidity, sheen): clear, odorless grab sample
Purge Time: 1009
Sample Time: 1200
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: ABC Field Duplicate taken here
Sample ID: 022025NABC1607, ~~022025FD~~ 022025ABCFD Duplicate
Sampler Signature: [signature]
Date: 02/25/25
Page 1 of 2
QA/QC Signature: [signature]
Date: 02/25/25

MICROPURGE SAMPLING LOG

Date: 02/20/25
Weather: partly cloudy, 24°

Project Name: Possum Point Power Station
Event: 1SA25 CCR + VSWMR
Unique Well ID: ABC-1607
Well Diameter: 2.0 inches
Depth to Bottom: 36.21 feet
Equipment Used: ☑ WL Indicator ☑ YSI Pro DSS 23K102019 ☐ In-Situ —

Project No./Task No.: US0041019.5094
Sampler(s): K Wood
Field Calibration Completed: 02/20/25 @ 0850
Initial Depth to Water: 24.41 feet
Water Column Thickness: 11.80 feet
☑ Turbidity Meter 2100 ☐ Peristaltic Pump ☐ MP-10 Controller Box
☐ Air Tank ☐ Compressor ☑ MP-15 Controller Box
☑ Dedicated Bladder Pump ☐ Non-dedicated BP ☐ ←

Time (5 minute int.) Stabilization	pH (S.U.) +/- 0.1	Sp. Cond. (uS/cm)°C +/- 3%	Turbidity (NTU) if >10, +/- 10%	Dissolved Oxygen (mg/L) +/- 10%	Temp. (°C) +/- 1°C	ORP (mV) +/- 10 mV	DTW (feet) <0.3 feet	Flow Rate (mL/min) <500
1142	4.91	157.2	9.75	1.34	12.9	120.5	25.70	~140
1147	4.90	158.3	9.95	1.40	12.9	120.9	25.76	~140
~~1152~~ 1200	—	S	A	M	P	L	E	—
~~1157~~ 1254	4.88	159.9	5.18	1.56	12.9	128.2	25.82	~140

KW 02/25/25

Purge Cycle (End): 17/3 @ ~25 psi
Flow Rate (ml/min End): ~140
Purge volume (gallons) prior to stabilization monitoring (3/8" I.D. Tube: Vol=Depth to Pump x 0.006 gal/ft): ~0.169
Total Purge Volume (Gallons): ~7.0
Purge Water Management: On site containment
Purge Observations (color, odor, turbidity, sheen): Clear, odorless grab sample
Purge Time: 1009
Sample Time: 1200
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: ABC Field Duplicate taken here
* Airtank changed @ 1220

Sample ID: 022025NABC1607, ~~022025FDDuplicate~~ KW 02/25/25 022025ABCFDDuplicate
Sampler Signature: [signature] Date: 02/25/25
QA/QC Signature: [signature] Date: 02/25/25

MICROPURGE SAMPLING LOG

Date: 2/19/25
Weather: Snow flurry, 20's

Project Name: Possum Point Power Station
Project No./Task No.: US0041019.5094
Event: 1SA25 CCR + VSWMR
Sampler(s): M. Kmetz
Unique Well ID: ABC-1608
Field Calibration Completed: 2/19/25 @0900
Well Diameter: 2.0 inches
Initial Depth to Water: 16.91 feet
Depth to Bottom: 33.78 feet
Water Column Thickness: 16.87 feet

Equipment Used:
- [x] WL Indicator
- [x] Turbidity Meter 21017
- [ ] Air Tank
- [x] Dedicated Bladder Pump
- [x] YSI ProDSS 16K100570
- [ ] 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
1335	5.64	267.8	360	1.14	13.1	90.7	18.90	~360
1340	5.64	269.1	314	1.00	13.0	86.8	17.89	~360
1345	5.64	274.1	212	0.81	13.1	77.9	19.00	~360
1350	5.64	273.8	193	0.84	13.1	74.3	19.09	~360
1355	5.63	272.7	160	0.74	13.1	70.2	19.08	~360
1400	5.63	272.4	144	0.73	13.1	68.1	19.13	~360
1405	5.62	271.6	120	0.55	13.2	67.4	19.14	~360
1410	5.61	271.2	140	0.57	13.3	68.7	19.08	~360
1415	5.61	271.9	116	0.49	13.4	68.4	19.11	~360
1420	5.60	272.5	123	0.39	13.6	67.4	19.12	~360
1425	5.61	274.1	96.5	0.45	12.7	66.9	18.61	~350
1430	5.61	274.5	96.3	0.67	11.3	67.4	18.41	~175
1435	5.60	272.8	97.8	0.58	12.4	68.5	18.38	~350
1440	5.59	273.4	91.0	0.58	12.3	69.1	18.36	~350
1445	5.59	273.7	91.8	0.57	12.7	68.9	18.42	~350
1450	5.59	274.4	91.7	0.56	12.8	68.1	18.43	~350
1455	5.59	275.9	90.8	0.56	12.6	68.4	18.43	~350

try to decrease V turb.

Purge Cycle (End): 5713 @ 25 psi Flow Rate (ml/min End): ~100

Purge volume (gallons) prior to stabilization monitoring (3/8" I.D. Tube: Vol=Depth to Pump x 0.006 gal/ft): 26.30 x 0.006 = 0.10

Total Purge Volume (Gallons): ~10 Purge Water Management: On site containment

Purge Observations (color, odor, turbidity, sheen): cloudy grab sample

Purge Time: 1324

Sample Time: 1610 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: 021925 NABC1608 DTP: 26.30

Sampler Signature: M Kmetz Date: 2/19/25 Page 1 of 2

QA/QC Signature: Date: 2/25/25

MICROPURGE SAMPLING LOG

Date: 2/19/25
Weather: snow flurry, 20's

Project Name: Possum Point Power Station
Project No./Task No.: US0041019.5094
Event: 1SA25 CCR + VSWMR
Sampler(s): M. Knez
Unique Well ID: ASC-1608
Field Calibration Completed: 2/19/25 @ ~~0900~~ 2/19/25 0800
Well Diameter: 2.0 inches
Initial Depth to Water: 16.91 feet
Depth to Bottom: 33.78 feet
Water Column Thickness: 16.87 feet

Equipment Used:
- [x] WL Indicator
- [x] Turbidity Meter 21017
- [ ] Air Tank
- [x] Dedicated Bladder Pump
- [x] YSI ~~pro~~ SS10KW0510
- [ ] 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
1500	5.59	276.2	80.9	0.57	12.5	67.6	18.45	~250 mL/min
1505	5.59	276.2	76.7	0.56	12.5	67.4	18.46	~125
1510	5.59	276.3	77.9	0.57	12.4	67.3	18.42	~125
1515	5.60	276.3	74.6	0.56	12.4	67.0	18.~~20~~	~125
1520	5.58	275.7	74.5	0.69	10.7	72.9	17.92	~125
1525	5.57	275.6	73.7	0.87	10.6	73.1	17.90	~100
1530	5.56	~~276~~ 274.9	76.7	0.82	10.9	74.1	17.95	~100
1535	5.56	274.7	73.6	0.83	10.8	74.3	17.92	~100
1540	5.57	274.3	74.5	0.86	10.7	74.5	17.93	~100
1545	5.56	273.5	77.8	0.87	10.7	75.3	17.98	~100
1550	5.56	272.1	76.7	0.86	10.8	76.9	17.91	~100
1555	5.56	271.8	74.3	0.87	10.9	77.3	17.93	~100
1600	5.56	270.9	78.7	0.87	10.6	77.1	17.95	~100
1605	5.55	274.1	74.7	0.84	10.9	77.4	17.99	~100
1610				SAMPLE				
1640	5.57	274.8	83.9	1.33	10.9	69.5	17.92	~100
								~~MW 2/25/25~~

try to decr turb

Purge Cycle (End): 5/3 @ ~25 psi
Flow Rate (ml/min End): ~100
Purge volume (gallons) prior to stabilization monitoring (3/8" I.D. Tube: Vol=Depth to Pump x 0.006 gal/ft): ~0.10
Total Purge Volume (Gallons): ~10
Purge Water Management: ~~DA Tank~~ MW 2/19/25, On site containment
Purge Observations (color, odor, turbidity, sheen): cloudy grab sample
Purge Time: 1324
Sample Time: 1610
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: 021925NASC1608
Sampler Signature: M. Knez Date: 2/19/25
QA/QC Signature: [signature] Date: 2/25/25

MICROPURGE SAMPLING LOG

Date: 2/20/25
Weather: partly cloudy 20's

Project Name: Possum Point Power Station
Project No./Task No.: US0041019.5094
Event: 1SA25 CCR + VSWMR
Sampler(s): S. Carmouche
Unique Well ID: ~~E~~ ABC1614
Field Calibration Completed: 2/20/25 @ 0850
Well Diameter: 2.0 inches
Initial Depth to Water: 11.62 feet
Depth to Bottom: ~ 28.19 feet
Water Column Thickness: ~ 16.57 feet

Equipment Used:
- [x] WL Indicator
- [x] Turbidity Meter HF198703
- [ ] Air Tank
- [x] Dedicated Bladder Pump
- [x] YSI Pro DSS 22J100253
- [ ] 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	
~~1410~~ 1415	6.00	383.6	25.8	2.85	12.8	3.2	14.08	~250	psi ~35
~~1415~~ 1420	6.00	383.3	25.9	2.28	12.9	0.2	14.10	~250	
~~1420~~ 1425	6.00	385.5	23.3	2.87	12.8	-5.3	14.16	~250	
~~1425~~ 1430	5.97	382.0	18.0	1.10	13.1	-8.4	14.25	~250	lower psi to ~25
1435	5.97	378.9	14.9	0.99	13.2	-9.5	14.26	~200	
1440	5.96	373.1	14.7	0.83	13.1	-10.7	14.25	~200	
1445	5.96	368.1	12.6	0.81	12.9	-10.8	14.30	~200	
1450	5.95	366.5	12.3	0.77	12.9	-10.5	14.31	~200	
1455	5.94	359.7	11.2	0.68	13.1	-11.0	14.40	~200	
1500	5.94	355.3	10.6	0.70	13.2	-10.5	14.41	~200	
1505	5.93	351.8	8.55	0.70	13.2	-10.0	14.42	~250	
1510	5.93	346.9	~~8.55~~ 8.40	0.63	13.1	-9.4	14.41	~250	
1515	5.93	346.8	7.68	0.68	13.1	-9.6	14.44	~250	
1520	—	S	A	M	P	L	E	—	
1538	5.95	335.1	5.87	2.03	12.3	12.0	14.35	~250	

Purge Cycle (End): 25/5 @ ~ 30 psi
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): 0.006 x 21.20 = ~0.13
Total Purge Volume (Gallons): ~ 6.0
Purge Water Management: On site containment
Purge Observations (color, odor, turbidity, sheen): clear grab sample
Purge Time: 1403
Sample Time: 1520
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 = 21.20
Sample ID: 02202 5 NABC1614

Sampler Signature: [signature] Date: 2/20/25 Page 1 of 1
QA/QC Signature: [signature] Date: 2/25/25

MICROPURGE SAMPLING LOG

Date: 2/19/25
Weather: cloudy/sunny 20's

Project Name: Possum Point Power Station
Project No./Task No.: US0041019.5094
Event: 1SA25 ~~OWB~~ LLR+VSWMR
Sampler(s): S. Carmacle
Unique Well ID: Pond ABC Field Blank
Field Calibration Completed: —
Well Diameter: — inches
Initial Depth to Water: — feet
Depth to Bottom: — feet
Water Column Thickness: — feet
Equipment Used: ☐ WL Indicator ☐ Turbidity Meter ☐ Air Tank ☐ Dedicated Bladder Pump
☐ YSI — ☐ Peristaltic Pump ☐ Compressor ☐ Disposable Bailer
☐ 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)	Well Volume (gallons)
Stabilization	+/- 0.1	+/- 3%	if >10, +/- 10%	+/- 10%	+/- 1°C	+/- 10 mV	<0.3 feet	<500	
1642	—	S	A	M	P	L	E	—	—
									MK 2/25/25

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: —
Purge Observations (color, odor, turbidity, sheen): clear grab sample taken w/ lab-supplied DI water near ABC-1607

Sample Time: 1642 Field Filtered (0.45µm): ☒ Yes SCE 2/19/25 ☒ No

Sample Parameters/Analyte(s):
☑ ~~Dissolved Metals: As, Ba, Cd, Cu, Fe, Pb, Mn, Hg, Ni, K, Se, Ag, Na, V, Zn~~ MK 2/25/25 ☒ Hexavalent Chromium
☑ ~~BTEX~~ MK 2/25/25 ☒ CCR App. III & IV constituents ☒ Ni, Ag ☒ Radium 226+228 (combine)
☑ ~~Additional VPDES - Chloride, Fluoride, Hardness, Phenolics, Sulfate, TOC, DRO, GRO~~ MK 2/25/25

Other Observations / Equipment Operation Problems:
Sample ID: 021925NABCFBBLANK
Sampler Signature: S. Carmacle Date: 2/19/25 Page 1 of 1
QA/QC Signature: MKR Date: 2/25/25

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 Wood
Unique Well ID: ABC Pond 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~~ — (KW 2/25/25)
- [ ] 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
1205	—	S	A	M	P	L	E	—
								MK 2/25/25

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 from ABC-1607.
Purge Time: —

Sample Time: 1205
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: 022025NABCFDDuplicate

Sampler Signature: Date: 02/25/25
QA/QC Signature: Date: 02/25/25

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, Ponds ABC – 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* for Ponds ABC was submitted to the DEQ on May 2, 2025, documenting SWP GPS exceedances for arsenic at monitoring well ABC-1614, cobalt at monitoring wells ABC-1608 and ABC-1614, and nickel at monitoring wells ABC-1608 and ABC-1614.

In response to the SWP GPS exceedances for arsenic and nickel, and federal CCR GWPS exceedances for arsenic, Dominion Energy completed an Assessment of Corrective Measures (ACM) on June 19, 2020 (revised October 16, 2024), consistent with 9VAC20-81-260 *et seq*. of the VSWMR and §257.96 of the CCR Rule. In response to the SWP GPS and federal CCR GWPS exceedances for cobalt, Dominion Energy completed a Nature and Extent Study (NES) and ACM Addendum on April 8, 2024 (revised October 16, 2024).

Attachment XII

Data Validation Forms

February 19-20, 2025, Sampling Event

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:

92780713

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
021925NABC1608	ABC-1608	N	SM 2540C	Total Dissolved Solids	N	224	J+	BF	10.0	10.0		mg/L
021925NABC1608	ABC-1608	N	SW-846 6010D	Arsenic	T	2.6	J	RL	2.5	10.0		ug/L
021925NABC1608	ABC-1608	N	SW-846 6010D	Beryllium	T	0.20	J	RL	0.16	1.0		ug/L
021925NABC1608	ABC-1608	N	SW-846 6010D	Chromium	T	1.3	J	RL	0.63	5.0		ug/L
021925NABC1608	ABC-1608	N	SW-846 6010D	Copper	T	1.2	J	RL	0.62	5.0		ug/L
021925NABC1608	ABC-1608	N	SW-846 6010D	Vanadium	T	2.4	J	RL	1.6	5.0		ug/L
021925NABC1608	ABC-1608	N	SW-846 6020B	Thallium	T	0.030	J	RL	0.028	0.20		ug/L
021925NABC1608	ABC-1608	N	SW-846 6020B	Tin	T	0.26	J	RL	0.14	1.0		ug/L
021925NABC1608	ABC-1608	N	SW-846 9056A	Fluoride	N	0.087	J	RL	0.050	0.10		mg/L
021925NABCFBBLANK	Field Blank	FB	SW-846 6010D	Boron	T	5.6	J	RL	4.0	50.0		ug/L
022025NABC1602	ABC-1602	N	SM 2540C	Total Dissolved Solids	N	134	J+	BF	10.0	10.0		mg/L
022025NABC1602	ABC-1602	N	SW-846 6010D	Beryllium	T	0.65	J	RL	0.16	1.0		ug/L
022025NABC1602	ABC-1602	N	SW-846 6010D	Chromium	T	1.6	J	RL	0.63	5.0		ug/L
022025NABC1602	ABC-1602	N	SW-846 6010D	Silver	T	2.1	J	RL	0.49	5.0		ug/L
022025NABC1602	ABC-1602	N	SW-846 6010D	Zinc	T	5.5	J	RL	3.0	10.0		ug/L
022025NABC1602	ABC-1602	N	SW-846 6020B	Iron	T	44.4	J+	BL	3.0	20.0		ug/L
022025NABC1602	ABC-1602	N	SW-846 6020B	Lead	T	0.20	J	RL	0.18	1.0		ug/L
022025NABC1602	ABC-1602	N	SW-846 6020B	Thallium	T	0.031	J	RL	0.028	0.20		ug/L
022025NABC1602	ABC-1602	N	SW-846 7199	Chromium, Hexavalent	D	1.3	J	H,M	0.043	0.25		ug/L
022025NABC1602	ABC-1602	N	SW-846 9056A	Sulfate	N	54.6	J-	M	0.50	1.0		mg/L
022025NABC1607	ABC-1607	N	SM 2540C	Total Dissolved Solids	N	122	J	BF,FD	10.0	10.0		mg/L
022025NABC1607	ABC-1607	N	SW-846 6010D	Beryllium	T	0.19	J	RL	0.16	1.0		ug/L
022025NABC1607	ABC-1607	N	SW-846 6010D	Chromium	T	0.72	J	RL	0.63	5.0		ug/L
022025NABC1607	ABC-1607	N	SW-846 6010D	Copper	T	0.69	J	RL	0.62	5.0		ug/L
022025NABC1607	ABC-1607	N	SW-846 6020B	Thallium	T	0.033	J	RL	0.028	0.20		ug/L
022025NABC1607	ABC-1607	N	SW-846 7199	Chromium, Hexavalent	D		UJ	M	0.0043	0.025		ug/L
022025NABC1607	ABC-1607	N	SW-846 9056A	Sulfate	N	40.1	J-	M	0.50	1.0		mg/L
022025NABC1607	ABC-1607	N	SW-846 9060A	Mean Total Organic Carbon	N	0.54	J	RL	0.50	1.0		mg/L
022025NABC1614	ABC-1614	N	SM 2540C	Total Dissolved Solids	N	207	J+	BF	10.0	10.0		mg/L
022025NABC1614	ABC-1614	N	SW-846 6010D	Chromium	T	0.69	J	RL	0.63	5.0		ug/L

Sample	Location	Sample Type	Method	Analyte	T/D	Result	Qual	Reason Code(s)	MDL	QL	Uncertainty	Unit
022025NABC1614	ABC-1614	N	SW-846 6010D	Copper	T	0.67	J	RL	0.62	5.0		ug/L
022025NABC1614	ABC-1614	N	SW-846 7199	Chromium, Hexavalent	D		UJ	M	0.0086	0.050		ug/L
022025NABC1614	ABC-1614	N	SW-846 9056A	Fluoride	N	0.059	J	RL	0.050	0.10		mg/L
022025NABC1614	ABC-1614	N	SW-846 9056A	Sulfate	N	38.0	J-	M	0.50	1.0		mg/L
022025NABCFDDUPLICATE	ABC-1607	FD	SM 2540C	Total Dissolved Solids	N	237	J	BF,FD	10.0	10.0		mg/L
022025NABCFDDUPLICATE	ABC-1607	FD	SW-846 6010D	Beryllium	T	0.18	J	RL	0.16	1.0		ug/L
022025NABCFDDUPLICATE	ABC-1607	FD	SW-846 6010D	Copper	T	0.64	J	RL	0.62	5.0		ug/L
022025NABCFDDUPLICATE	ABC-1607	FD	SW-846 6020B	Thallium	T	0.034	J	RL	0.028	0.20		ug/L
022025NABCFDDUPLICATE	ABC-1607	FD	SW-846 7199	Chromium, Hexavalent	D		UJ	M	0.0043	0.025		ug/L
022025NABCFDDUPLICATE	ABC-1607	FD	SW-846 9056A	Sulfate	N	40.2	J-	M	0.50	1.0		mg/L
022025NABCFDDUPLICATE	ABC-1607	FD	SW-846 9060A	Mean Total Organic Carbon	N	0.55	J	RL	0.50	1.0		mg/L
021925NABC1608	ABC-1608	N	CALC	Combined Radium	N	2.10	J	Y,S			0.499	pCi/L
021925NABC1608	ABC-1608	N	SW-846 9320	RADIUM-228	N	1.91	J+	Y	0.618	0.618	0.370	pCi/L
022025NABC1607	ABC-1607	N	CALC	Combined Radium	N	0.951	J	S			0.399	pCi/L
022025NABCFDDUPLICATE	ABC-1607	FD	CALC	Combined Radium	N	0.821	J	S			0.344	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: 92780713

Lab Sample ID	92780713001
Sys Sample Code	021925NABC1608
Sample Name	021925NABC1608
Sample Date	2/19/2025 4:10:00 PM
Location	PP-ABC-ABC-1608 / ABC-1608
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	54200				36.8	36.8	662	Y	Yes	1	NA
SM 2540C	Total Dissolved Solids	TDS	N	mg/L	224	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	2.6	J	RL		2.5	2.5	10.0	Y	Yes	1	NA
	Barium	7440-39-3	T	ug/L	73.4				0.79	0.79	5.0	Y	Yes	1	NA
	Beryllium	7440-41-7	T	ug/L	0.20	J	RL		0.16	0.16	1.0	Y	Yes	1	NA
	Boron	7440-42-8	T	ug/L	176				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	11400				14.7	14.7	100	Y	Yes	1	NA
	Chromium	7440-47-3	T	ug/L	1.3	J	RL		0.63	0.63	5.0	Y	Yes	1	NA
	Copper	7440-50-8	T	ug/L	1.2	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	15.7				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	2.4	J	RL		1.6	1.6	5.0	Y	Yes	1	NA
	Zinc	7440-66-6	T	ug/L	16.8				3.0	3.0	10.0	Y	Yes	1	NA
SW-846 6020B	Cobalt	7440-48-4	T	ug/L	20.0				0.14	0.14	1.0	Y	Yes	1	NA
	Iron	7439-89-6	T	ug/L	8240				3.0	3.0	20.0	Y	Yes	1	NA
	Lead	7439-92-1	T	ug/L	2.0				0.18	0.18	1.0	Y	Yes	1	NA
	Lithium	7439-93-2	T	ug/L	14.7				0.33	0.33	2.5	Y	Yes	1	NA
	Manganese	7439-96-5	T	ug/L	156				0.24	0.24	2.0	Y	Yes	1	NA
	Potassium	7440-09-7	T	ug/L	3170				18.0	18.0	100	Y	Yes	1	NA
	Thallium	7440-28-0	T	ug/L	0.030	J	RL		0.028	0.028	0.20	Y	Yes	1	NA
	Tin	7440-31-5	T	ug/L	0.26	J	RL		0.14	0.14	1.0	Y	Yes	1	NA
SW-846 6020B	Sodium	7440-23-5	T	ug/L	27400				144	144	2500	Y	Yes	10	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L		U			0.0086	0.0086	0.050	N	Yes	2	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	92780713001
Sys Sample Code	021925NABC1608
Sample Name	021925NABC1608
Sample Date	2/19/2025 4:10:00 PM
Location	PP-ABC-ABC-1608 / ABC-1608
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	31.0				0.60	0.60	1.0	Y	Yes	1	NA
	Fluoride	16984-48-8	N	mg/L	0.087	J	RL		0.050	0.050	0.10	Y	Yes	1	NA
	Sulfate	14808-79-8	N	mg/L	45.8				0.50	0.50	1.0	Y	Yes	1	NA
SW-846 9060A	Mean Total Organic Carbon	TOC	N	mg/L	1.3				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	92780713002
Sys Sample Code	021925NABCFBBLANK
Sample Name	021925NABCFBBLANK
Sample Date	2/19/2025 4:42:00 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	55.6				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		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	5.6	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
	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		U			3.0	3.0	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	92780713002
Sys Sample Code	021925NABCFBBLANK
Sample Name	021925NABCFBBLANK
Sample Date	2/19/2025 4:42:00 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	92780713003
Sys Sample Code	022025NABC1602
Sample Name	022025NABC1602
Sample Date	2/20/2025 12:00:00 PM
Location	PP-ABC-ABC-1602 / ABC-1602
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	34100				36.8	36.8	662	Y	Yes	1	NA
SM 2540C	Total Dissolved Solids	TDS	N	mg/L	134	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	48.8				0.79	0.79	5.0	Y	Yes	1	NA
	Beryllium	7440-41-7	T	ug/L	0.65	J	RL		0.16	0.16	1.0	Y	Yes	1	NA
	Boron	7440-42-8	T	ug/L		U			4.0	4.0	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	6790				14.7	14.7	100	Y	Yes	1	NA
	Chromium	7440-47-3	T	ug/L	1.6	J	RL		0.63	0.63	5.0	Y	Yes	1	NA
	Copper	7440-50-8	T	ug/L	6.2				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	6.8				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	2.1	J	RL		0.49	0.49	5.0	Y	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	12.2				0.14	0.14	1.0	Y	Yes	1	NA
	Iron	7439-89-6	T	ug/L	44.4	J+	BL		3.0	3.0	20.0	Y	Yes	1	NA
	Lead	7439-92-1	T	ug/L	0.20	J	RL		0.18	0.18	1.0	Y	Yes	1	NA
	Lithium	7439-93-2	T	ug/L	11.1				0.33	0.33	2.5	Y	Yes	1	NA
	Manganese	7439-96-5	T	ug/L	183				0.24	0.24	2.0	Y	Yes	1	NA
	Potassium	7440-09-7	T	ug/L	6510				18.0	18.0	100	Y	Yes	1	NA
	Sodium	7440-23-5	T	ug/L	9360				14.4	14.4	250	Y	Yes	1	NA
	Thallium	7440-28-0	T	ug/L	0.031	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	1.3	J	H,M		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	92780713003
Sys Sample Code	022025NABC1602
Sample Name	022025NABC1602
Sample Date	2/20/2025 12:00:00 PM
Location	PP-ABC-ABC-1602 / ABC-1602
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	3.6				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	54.6	J-	M		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	92780713004
Sys Sample Code	022025NABC1607
Sample Name	022025NABC1607
Sample Date	2/20/2025 12:00:00 PM
Location	PP-ABC-ABC-1607 / ABC-1607
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	27900				36.8	36.8	662	Y	Yes	1	NA
SM 2540C	Total Dissolved Solids	TDS	N	mg/L	122	J	BF,FD		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	38.8				0.79	0.79	5.0	Y	Yes	1	NA
	Beryllium	7440-41-7	T	ug/L	0.19	J	RL		0.16	0.16	1.0	Y	Yes	1	NA
	Boron	7440-42-8	T	ug/L	201				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	5840				14.7	14.7	100	Y	Yes	1	NA
	Chromium	7440-47-3	T	ug/L	0.72	J	RL		0.63	0.63	5.0	Y	Yes	1	NA
	Copper	7440-50-8	T	ug/L	0.69	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	8.5				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	24.5				3.0	3.0	10.0	Y	Yes	1	NA
SW-846 6020B	Cobalt	7440-48-4	T	ug/L	7.7				0.14	0.14	1.0	Y	Yes	1	NA
	Iron	7439-89-6	T	ug/L	3320				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	5.2				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	2000				18.0	18.0	100	Y	Yes	1	NA
	Sodium	7440-23-5	T	ug/L	14200				14.4	14.4	250	Y	Yes	1	NA
	Thallium	7440-28-0	T	ug/L	0.033	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		UJ	M		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	92780713004
Sys Sample Code	022025NABC1607
Sample Name	022025NABC1607
Sample Date	2/20/2025 12:00:00 PM
Location	PP-ABC-ABC-1607 / ABC-1607
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	9.6				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	40.1	J-	M		0.50	0.50	1.0	Y	Yes	1	NA
SW-846 9060A	Mean Total Organic Carbon	TOC	N	mg/L	0.54	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	92780713005
Sys Sample Code	022025NABC1614
Sample Name	022025NABC1614
Sample Date	2/20/2025 3:20:00 PM
Location	PP-ABC-ABC-1614 / ABC-1614
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	60100				36.8	36.8	662	Y	Yes	1	NA
SM 2540C	Total Dissolved Solids	TDS	N	mg/L	207	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	50.4				2.5	2.5	10.0	Y	Yes	1	NA
	Barium	7440-39-3	T	ug/L	174				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	207				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	13100				14.7	14.7	100	Y	Yes	1	NA
	Chromium	7440-47-3	T	ug/L	0.69	J	RL		0.63	0.63	5.0	Y	Yes	1	NA
	Copper	7440-50-8	T	ug/L	0.67	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	15.5				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	11.6				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	19.4				0.14	0.14	1.0	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	14.7				0.33	0.33	2.5	Y	Yes	1	NA
	Potassium	7440-09-7	T	ug/L	4120				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		U			0.14	0.14	1.0	N	Yes	1	NA
SW-846 6020B	Iron	7439-89-6	T	ug/L	30200				29.8	29.8	200	Y	Yes	10	NA
	Manganese	7439-96-5	T	ug/L	217				2.4	2.4	20.0	Y	Yes	10	NA
	Sodium	7440-23-5	T	ug/L	24700				144	144	2500	Y	Yes	10	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L		UJ	M		0.0086	0.0086	0.050	N	Yes	2	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	92780713005
Sys Sample Code	022025NABC1614
Sample Name	022025NABC1614
Sample Date	2/20/2025 3:20:00 PM
Location	PP-ABC-ABC-1614 / ABC-1614
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	27.4				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	38.0	J-	M		0.50	0.50	1.0	Y	Yes	1	NA
SW-846 9060A	Mean Total Organic Carbon	TOC	N	mg/L	2.0				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	92780713006
Sys Sample Code	022025NABCFDDUPLICATE
Sample Name	022025NABCFDDUPLICATE
Sample Date	2/20/2025 12:05:00 PM
Location	PP-ABC-ABC-1607 / ABC-1607
Sample Type	FD
Matrix	GW
Parent Sample	022025NABC1607
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	26900				36.8	36.8	662	Y	Yes	1	NA
SM 2540C	Total Dissolved Solids	TDS	N	mg/L	237	J	BF,FD		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	37.6				0.79	0.79	5.0	Y	Yes	1	NA
	Beryllium	7440-41-7	T	ug/L	0.18	J	RL		0.16	0.16	1.0	Y	Yes	1	NA
	Boron	7440-42-8	T	ug/L	196				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	5610				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	0.64	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	8.2				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	21.1				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	7.3				0.14	0.14	1.0	Y	Yes	1	NA
	Iron	7439-89-6	T	ug/L	3130				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	4.9				0.33	0.33	2.5	Y	Yes	1	NA
	Manganese	7439-96-5	T	ug/L	161				0.24	0.24	2.0	Y	Yes	1	NA
	Potassium	7440-09-7	T	ug/L	1920				18.0	18.0	100	Y	Yes	1	NA
	Sodium	7440-23-5	T	ug/L	13600				14.4	14.4	250	Y	Yes	1	NA
	Thallium	7440-28-0	T	ug/L	0.034	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		UJ	M		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	92780713006
Sys Sample Code	022025NABCFDDUPLICATE
Sample Name	022025NABCFDDUPLICATE
Sample Date	2/20/2025 12:05:00 PM
Location	PP-ABC-ABC-1607 / ABC-1607
Sample Type	FD
Matrix	GW
Parent Sample	022025NABC1607
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	9.7				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	40.2	J-	M		0.50	0.50	1.0	Y	Yes	1	NA
SW-846 9060A	Mean Total Organic Carbon	TOC	N	mg/L	0.55	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	L1829584-01
Sys Sample Code	021925NABC1608
Sample Name	021925NABC1608
Sample Date	2/19/2025 4:10:00 PM
Location	PP-ABC-ABC-1608 / ABC-1608
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	2.10	J	Y,S	0.499				Y	Yes	1	NA
SW-846 9315	Radium-226	13982-63-3	N	pCi/L	0.194	U		0.335	0.619	0.619	0.619	N	Yes	1	NA
SW-846 9320	RADIUM-228	15262-20-1	N	pCi/L	1.91	J+	Y	0.370	0.618	0.618	0.618	Y	Yes	1	NA

Lab Sample ID	L1829584-02
Sys Sample Code	021925NABCFBBLANK
Sample Name	021925NABCFBBLANK
Sample Date	2/19/2025 4:42:00 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	0.179	U		0.281				N	Yes	1	NA
SW-846 9315	Radium-226	13982-63-3	N	pCi/L	0.0950	U		0.174	0.318	0.318	0.318	N	Yes	1	NA
SW-846 9320	RADIUM-228	15262-20-1	N	pCi/L	0.0843	U		0.221	0.404	0.404	0.404	N	Yes	1	NA

Lab Sample ID	L1829584-03
Sys Sample Code	022025NABC1602
Sample Name	022025NABC1602
Sample Date	2/20/2025 12:00:00 PM
Location	PP-ABC-ABC-1602 / ABC-1602
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	1.92			0.403				Y	Yes	1	NA
SW-846 9315	Radium-226	13982-63-3	N	pCi/L	0.499			0.257	0.290	0.290	0.290	Y	Yes	1	NA
SW-846 9320	RADIUM-228	15262-20-1	N	pCi/L	1.43			0.310	0.509	0.509	0.509	Y	Yes	1	NA

Facility: Possum Point Power Station
SDG: 92780713

Lab Sample ID	L1829584-04
Sys Sample Code	022025NABC1607
Sample Name	022025NABC1607
Sample Date	2/20/2025 12:00:00 PM
Location	PP-ABC-ABC-1607 / ABC-1607
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	0.951	J	S	0.399				Y	Yes	1	NA
SW-846 9315	Radium-226	13982-63-3	N	pCi/L	0.292	U		0.224	0.327	0.327	0.327	N	Yes	1	NA
SW-846 9320	RADIUM-228	15262-20-1	N	pCi/L	0.658			0.330	0.564	0.564	0.564	Y	Yes	1	NA

Facility: Possum Point Power Station
SDG: 92780713

Lab Sample ID	L1829584-05
Sys Sample Code	022025NABC1614
Sample Name	022025NABC1614
Sample Date	2/20/2025 3:20:00 PM
Location	PP-ABC-ABC-1614 / ABC-1614
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	1.93			0.437				Y	Yes	1	NA
SW-846 9315	Radium-226	13982-63-3	N	pCi/L	0.264			0.182	0.230	0.230	0.230	Y	Yes	1	NA
SW-846 9320	RADIUM-228	15262-20-1	N	pCi/L	1.67			0.397	0.654	0.654	0.654	Y	Yes	1	NA

Lab Sample ID	L1829584-06
Sys Sample Code	022025NABCFDDUPLICATE
Sample Name	022025NABCFDDUPLICATE
Sample Date	2/20/2025 12:05:00 PM
Location	PP-ABC-ABC-1607 / ABC-1607
Sample Type	FD
Matrix	GW
Parent Sample	022025NABC1607
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	0.821	J	S	0.344				Y	Yes	1	NA
SW-846 9315	Radium-226	13982-63-3	N	pCi/L	0.152	U		0.157	0.243	0.243	0.243	N	Yes	1	NA
SW-846 9320	RADIUM-228	15262-20-1	N	pCi/L	0.669			0.306	0.522	0.522	0.522	Y	Yes	1	NA