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

BY ELECTRONIC MAIL

January 9, 2025

Ms. Shannon George, P.G.
Virginia Department of Environmental Quality – Valley Regional Office
Attn: Division of Land Protection and Revitalization
4411 Early Road
Harrisonburg, Virginia 22801
shannon.george@deq.virginia.gov

RE: Bremo Power Station, Solid Waste Permit No. 618: 2024 4th Quarter Surface Water Monitoring Report

Dear Ms. George:

In accordance with Solid Waste Permit No. 618 Module XVIII.F.1, Virginia Electric and Power Company (Dominion Energy) is providing the attached 2024 fourth quarter Surface Water Monitoring Report for the Bremo Power Station. The fourth quarter surface water sampling event was conducted on October 28, 2024, and analytical laboratory results were completed on November 11, 2024. A summary of this quarter's monitoring is provided in the attached report prepared by EnviroScience Inc.

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: Laura Stuart, DEQ VRO – Laura.Stuart@deq.virginia.gov

SURFACE WATER MONITORING REPORT – 4TH QUARTER, 2024

Dominion Energy
Bremo Power Station
Bremo Bluff, Virginia

VDEQ Solid Waste Permit No. 618

Prepared for:

Virginia Electric and Power Company
(d/b/a Dominion Energy Virginia)
120 Tredegar Street
Richmond, Virginia 23219

ES Project No.: 15626
Date: 1/9/2025

Prepared by:

EnviroScience
Excellence In Any Environment

1100 Athens Ave., Suite F
Richmond, VA 23227
800-940-4025
www.EnviroScienceInc.com

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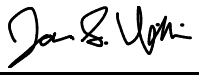
Certification of Results

As a representative of Dominion Energy Virginia, the undersigned certifies, to the best of their knowledge, that the information and analytical results contained within this document and its appendices are true and accurate.



Jan 9, 2025

Jason S. Williams — Date
Director Bremo Power Station

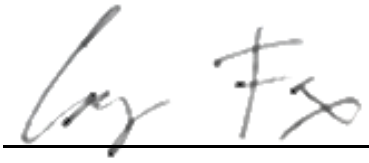
Bremo Power Station
Surface Water Monitoring Report 4Q24
Document Date: 1/9/2025
ES Project No.: 15626

Prepared for:
Dominion Energy
Virginia

Authorization for Release

The analyses, opinions, and conclusions in this document are based entirely on EnviroScience's unbiased, professional judgement. EnviroScience's compensation is not in any way contingent on any action or event resulting from this study.

The undersigned attest, to the best of their knowledge, that this document and the information contained herein is accurate and conforms to EnviroScience's internal Quality Assurance standards.



Cory Fox
Lead Field Scientist

David Czayka
Project Manager

Kyle Lawrence
Director of Operations

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1.0 INTRODUCTION

Virginia Electric and Power Company d/b/a Dominion Energy Virginia (Dominion Energy) operated the Bremo Power Station, located at 1038 Bremo Bluff Rd. in Bremo Bluff, Virginia until 2018. The station, situated on the north bank of the James River, was converted from coal to natural gas power in 2014. Sluiced coal combustion residuals (CCRs) produced during pre-conversion operations were managed in three on-site surface impoundments at various points in time from the 1930s to present: East Pond, West Pond, and North Pond. The East Pond and West Pond previously held CCRs, but the materials have been removed and the impoundments no longer contain CCR materials. Currently, all CCRs have been consolidated in the North Pond impoundment. The North Pond was constructed during 1982 and 1983 and contains approximately 6.2 million cubic yards of CCRs.

Permit Module XVIII of Bremo Power Station's Solid Waste Facility Permit (Permit No. 618) describes surface monitoring requirements for near-shore waters of the James River, with the objective of detecting potential surface water impacts that may be occurring due to potential groundwater / surface water exchange downgradient of the active and inactive impoundments. To address the requirements set out in Permit Module XVIII, Dominion Energy submitted a Surface Water Monitoring Plan (SWMP) for Bremo Power Station to the Virginia Department of Environmental Quality (VDEQ), originally dated August 2019 and most recently revised August 2022 (EA Engineering, Science, and Technology, Inc., 2022).

Dominion Energy retained EnviroScience, Inc. (EnviroScience) to provide field sampling and reporting services associated with the requirements set out under Permit Module XVIII. This Surface Water Monitoring Report summarizes activities undertaken and presents the results for the fourth quarter of 2024, in accordance with the SWMP as approved by VDEQ in the December 30, 2022 Permit modification.

2.0 SUMMARY OF FIELD ACTIVITIES

All field activities were conducted by EnviroScience personnel. Surface water samples were collected from the James River at designated locations proximal to Bremo Power Station on October 28, 2024. Sampling took place under fair weather conditions with temperatures ranging from 60-65° F, light winds, and clear skies. The average discharge of the James River during the sampling event was approximately 1,300 cubic feet per second, as reported by United States Geological Survey (USGS) gauge 02029000 at Scottsville, Virginia; the closest upstream gauge to the Station (USGS, 2024). Water clarity was clear to bottom across all sample locations at the time of sampling.

2.1 SAMPLING LOCATIONS

Samples were collected from all locations prescribed in the SWMP. These locations are shown on Figure 1 and listed in Table 1 along with their respective coordinates. Eight samples were collected from the James River for evaluation of potential impacts as required by Permit Module XVIII; these are designated by a "BR" identifier. Sample locations BR-01 through BR-04 are located downgradient of the West Pond, and sample locations BR-05 through BR-08 are located downgradient of the North Pond and East Pond. Two reference locations, designated by a "JR" identifier, were also collected from the James River upstream of Bremo Power Station to document ambient conditions. During the initial sampling event, each sampling location was marked on the shore with permanent signage to allow for future identification. Each marker was verified present during this sampling event.

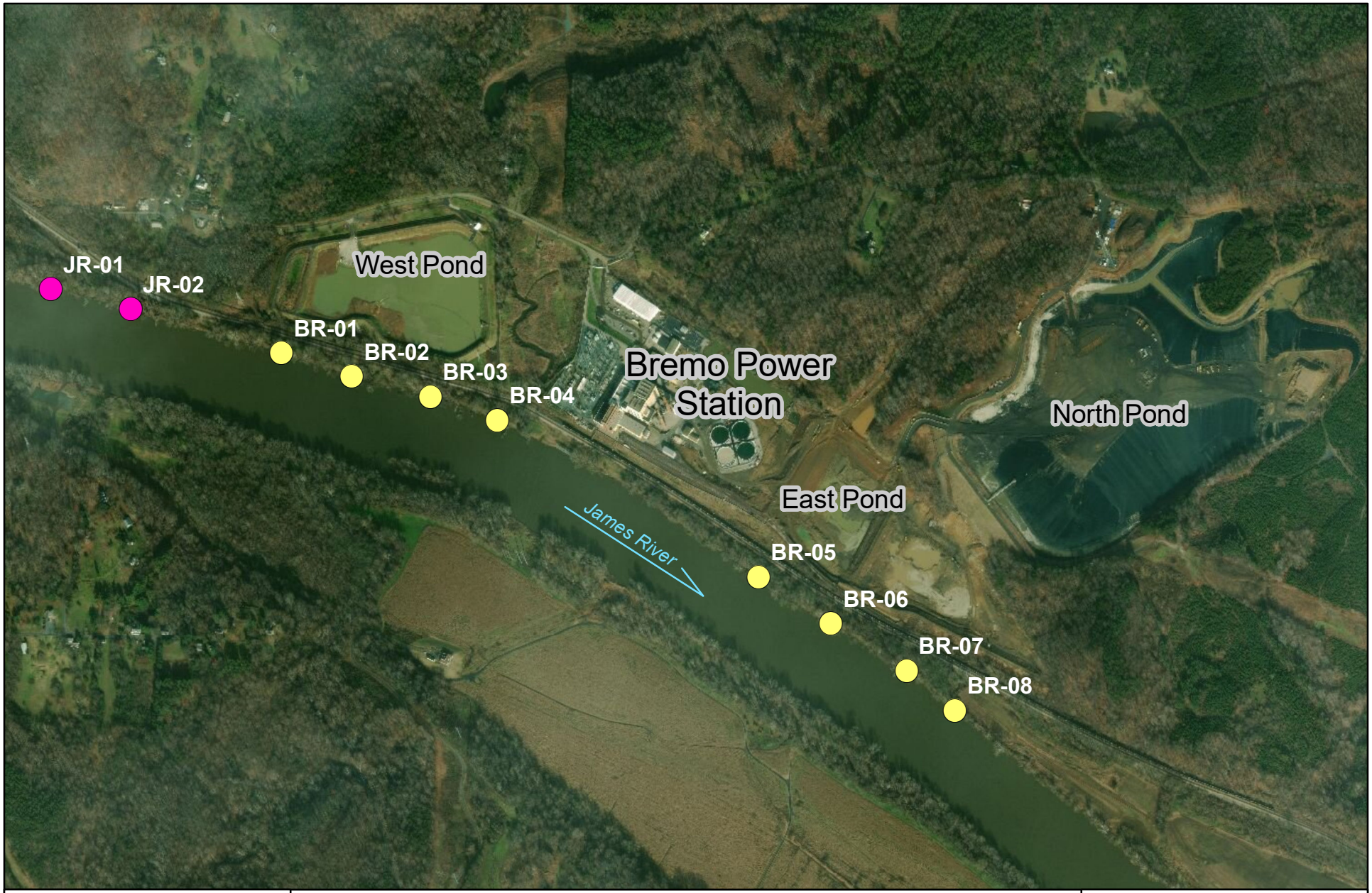

Figure 1. Site Map of Bremo Power Station Showing Sampling Locations.

Surface Water Sampling Location

Reference Sampling Location

0 250 500 1,000 Feet

0 75 150 300 Meters

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Date: 5/27/2020

Basemap courtesy of Esri.

Table 1. Sampling Locations and Coordinates

Sample Location	Latitude	Longitude
BR-01	37.71008	-78.29521
BR-02	37.70967	-78.29369
BR-03	37.70932	-78.29198
BR-04	37.70891	-78.29054
BR-05	37.70620	-78.28488
BR-06	37.70540	-78.28332
BR-07	37.70458	-78.28168
BR-08	37.70390	-78.28063
JR-01	37.71119	-78.30020
JR-02	37.71084	-78.29847

2.2 SAMPLE COLLECTION

Samples were collected from a jon boat, beginning with the most downstream location and proceeding upstream to prevent inadvertent cross-contamination due to introduction of disturbed sediments. At each location, the sampling boat was maneuvered as close to shore as river depths would allow.

Samples were collected from mid-depth into laboratory-supplied certified clean sample containers using a peristaltic pump and new dedicated Teflon tubing at each sampling location. During collection, samples were field filtered using a 0.45 micron in-line capsule filter, with a new filter used at each sampling location. Sample collection followed VDEQ's Collection of Trace Element Samples (Clean Metals) protocols (i.e., "clean hands / dirty hands" technique), which is included in the SWMP.

After collection, each sample container was placed into a cooler with wet ice and chilled to 4° C before being shipped to the analytical laboratory under chain-of-custody protocols, consistent with packaging and shipping procedures described in the SWMP.

2.3 QUALITY ASSURANCE SAMPLES

Quality assurance samples were collected in accordance with the SWMP, with the addition of a field blank. Altogether, collected quality assurance samples included one field duplicate, one matrix spike, one matrix spike duplicate, one equipment blank, and one field blank. Quality assurance samples were handled and shipped in the same manner as the primary analytical samples described in Section 2.2.

2.4 FIELD MEASUREMENTS

Water depth and infield chemistry parameters (temperature, specific conductance, pH, and dissolved oxygen), measured with a YSI Pro-DSS multiparameter probe, were recorded at each sampling location prior to sample collection. The YSI Pro-DSS was calibrated onsite prior to sampling in accordance with the manufacturer's specifications. Field-measured parameters are provided alongside validated analytical results in Table 2 (Section 4).

2.5 FIELD DOCUMENTATION

Field conditions including weather, locations, measured parameters, and other pertinent information were documented in field notebooks. A copy of this documentation is included as Appendix A.

3.0 SAMPLE ANALYSIS AND VALIDATION

Samples were analyzed by Pace Analytical Services, LLC (Pace) at their Asheville and Charlotte, North Carolina facilities. Third-party data validation of analytical results was performed by Environmental Standards, Inc. (Environmental Standards).

3.1 ANALYTES AND METHODS

Samples were analyzed by Pace for the following metals, using the noted SW-846 methods:

- Method 6020 – Dissolved antimony, arsenic, boron, cadmium, calcium, total chromium, cobalt, copper, lead, lithium, magnesium, molybdenum, nickel, selenium, silver, thallium, and zinc
- Method 7199 – Dissolved chromium VI
- Method 7470 – Dissolved mercury
- Calculated – Dissolved chromium III calculated by subtracting chromium VI from total chromium concentrations
- Calculated– Hardness calculated using calcium and magnesium concentrations

Final analytical results were received on November 11, 2024, and a complete copy of the Pace analytical report is included as Appendix B.

3.2 DATA VALIDATION

Environmental Standards performed a Tier 1 review of the Pace Level 2 laboratory data package following USEPA's *National Functional Guidelines for Superfund Inorganics Method Data Review* (2017). A complete copy of the Environmental Standards validation report is included as Appendix C.

4.0 RESULTS

Validated analytical results (as reported by Environmental Standards) and measured field parameters are presented on the following pages in Table 2. Table 2 also includes a comparison standard for each analyte, based on applicable Virginia Water Quality Standards (VAWQS) in 9VAC25-260-140 or on Groundwater Protection Standards (GPS) where VAWQS do not exist. Based on these comparisons, all fourth quarter 2024 surface water monitoring results were below applicable standards.

Table 2. Validated Analytical Results and Measured Field Parameters

Sample ID		JR-01-24-Q4					JR-02-24-Q4					BR-01-24-Q4					BR-02-24-Q4					BR-03-24-Q4					BR-04-24-Q4				
Sample Location		**JR-01 (Upstream)**					**JR-02 (Upstream)**					**BR-01 (West Pond)**					**BR-02 (West Pond)**					**BR-03 (West Pond)**					**BR-04 (West Pond)**				
Sample Date		**10/28/2024**					**10/28/2024**					**10/28/2024**					**10/28/2024**					**10/28/2024**					**10/28/2024**				
Chemical Name	**Comparison Standard**	**Comparison Standard Value**	**Result**	**Qual**	**MDL**	**RL**	**Comparison Standard Value**	**Result**	**Qual**	**MDL**	**RL**	**Comparison Standard Value**	**Result**	**Qual**	**MDL**	**RL**	**Comparison Standard Value**	**Result**	**Qual**	**MDL**	**RL**	**Comparison Standard Value**	**Result**	**Qual**	**MDL**	**RL**	**Comparison Standard Value**	**Result**	**Qual**	**MDL**	**RL**
Dissolved Metals (µg/L)																															
Antimony	HH - AOSW	640	< 0.10	U	0.10	1.0	640	< 0.10	U	0.10	1.0	640	< 0.10	U	0.10	1.0	640	< 0.10	U	0.10	1.0	640	< 0.10	U	0.10	1.0	640	< 0.10	U	0.10	1.0
Arsenic	AL FW Chronic	150	< 0.17	U	0.17	1.0	150	< 0.17	U	0.17	1.0	150	< 0.17	U	0.17	1.0	150	< 0.17	U	0.17	1.0	150	< 0.17	U	0.17	1.0	150	< 0.17	U	0.17	1.0
Boron	GPS	--	**18.0**	**J**	7.5	50.0	--	**17.6**	**J**	7.5	50.0	4000	**18.5**	**J**	7.5	50.0	4000	**18.3**	**J**	7.5	50.0	4000	**18.3**	**J**	7.5	50.0	4000	**18.5**	**J**	7.5	50.0
Cadmium	AL FW Chronic	0.54*	< 0.037	U	0.037	0.10	0.53*	< 0.037	U	0.037	0.10	0.54*	< 0.037	U	0.037	0.10	0.54*	< 0.037	U	0.037	0.10	0.53*	< 0.037	U	0.037	0.10	0.55*	< 0.037	U	0.037	0.10
Chromium	GPS	--	< 0.39	U	0.39	1.0	--	< 0.39	U	0.39	1.0	100	< 0.39	U	0.39	1.0	100	< 0.39	U	0.39	1.0	100	< 0.39	U	0.39	1.0	100	< 0.39	U	0.39	1.0
Chromium, Trivalent	AL FW Chronic	54*	< 10.0	UJ	10.0	10.0	53*	< 10.0	U	10.0	10.0	54*	< 10.0	U	10.0	10.0	54*	< 10.0	U	10.0	10.0	54*	< 10.0	U	10.0	10.0	56*	< 10.0	U	10.0	10.0
Chromium, Hexavalent	AL FW Chronic	11	< 0.081	U	0.081	0.081	11	< 0.085	U	0.085	0.085	11	< 0.075	U	0.075	0.075	11	< 0.086	U	0.086	0.086	11	< 0.095	U	0.095	0.095	11	< 0.077	U	0.077	0.077
Cobalt	GPS	--	**0.18**	**J**	0.14	1.0	--	**0.19**	**J**	0.14	1.0	6	**0.23**	**J**	0.14	1.0	6	**0.28**	**J**	0.14	1.0	6	**0.19**	**J**	0.14	1.0	6	**0.19**	**J**	0.14	1.0
Copper	AL FW Chronic	6.4*	< 0.55	U	0.55	2.0	6.3*	**0.56**	**J**	0.55	2.0	6.4*	**0.82**	**J**	0.55	2.0	6.5*	**0.82**	**J**	0.55	2.0	6.4*	**0.56**	**J**	0.55	2.0	6.6*	**0.59**	**J**	0.55	2.0
Lead	AL FW Chronic	7.0*	< 0.18	U	0.18	1.0	6.9*	< 0.18	U	0.18	1.0	7.0*	< 0.18	U	0.18	1.0	7.0*	< 0.18	U	0.18	1.0	6.9*	< 0.18	U	0.18	1.0	7.3*	< 0.18	U	0.18	1.0
Lithium	GPS	--	**1.3**	**J**	0.33	2.5	--	**1.4**	**J**	0.33	2.5	40	**1.4**	**J**	0.33	2.5	40	**1.4**	**J**	0.33	2.5	40	**1.4**	**J**	0.33	2.5	40	**1.4**	**J**	0.33	2.5
Mercury	AL FW Chronic	0.77	< 0.12	U	0.12	0.20	0.77	< 0.12	U	0.12	0.20	0.77	< 0.12	U	0.12	0.20	0.77	< 0.12	U	0.12	0.20	0.77	< 0.12	U	0.12	0.20	0.77	< 0.12	U	0.12	0.20
Molybdenum	GPS	--	**0.42**	**J**	0.075	1.0	--	**0.40**	**J**	0.075	1.0	100	**0.42**	**J**	0.075	1.0	100	**0.43**	**J**	0.075	1.0	100	**0.42**	**J**	0.075	1.0	100	**0.43**	**J**	0.075	1.0
Nickel	AL FW Chronic	15*	**0.80**	**J**	0.26	1.0	14*	**0.80**	**J**	0.26	1.0	15*	**0.87**	**J**	0.26	1.0	15*	**0.96**	**J**	0.26	1.0	15*	**0.82**	**J**	0.26	1.0	15*	**0.84**	**J**	0.26	1.0
Selenium	AL FW Chronic	5	< 0.22	U	0.22	2.0	5	< 0.22	U	0.22	2.0	5	< 0.22	U	0.22	2.0	5	< 0.22	U	0.22	2.0	5	< 0.22	U	0.22	2.0	5	< 0.22	U	0.22	2.0
Silver	AL FW Acute	1.8*	< 0.046	U	0.046	0.40	1.7*	< 0.046	U	0.046	0.40	1.8*	< 0.046	U	0.046	0.40	1.8*	< 0.046	U	0.046	0.40	1.8*	< 0.046	U	0.046	0.40	1.9*	< 0.046	U	0.046	0.40
Thallium	HH - AOSW	0.47	< 0.028	U	0.028	0.20	0.47	< 0.028	U	0.028	0.20	0.47	< 0.028	U	0.028	0.20	0.47	< 0.028	U	0.028	0.20	0.47	< 0.028	U	0.028	0.20	0.47	< 0.028	U	0.028	0.20
Zinc	AL FW Chronic	85*	**2.4**	**J**	0.93	10.0	84*	**2.4**	**J**	0.93	10.0	85*	**2.4**	**J**	0.93	10.0	85*	**2.2**	**J**	0.93	10.0	85*	**2.4**	**J**	0.93	10.0	88*	**2.8**	**J**	0.93	10.0
Hardness (mg/L)																															
Calcium	--	--	**19.9**		0.063	0.20	--	**19.7**		0.063	0.20	--	**20.0**		0.19	0.60	--	**20.1**		0.19	0.60	--	**19.8**		0.19	0.60	--	**20.9**		0.19	0.60
Hardness	--	--	**67.6**		0.54	0.91	--	**66.8**		0.54	0.91	--	**67.7**		1.6	2.7	--	**68.2**		1.6	2.7	--	**67.4**		1.6	2.7	--	**70.3**		1.6	2.7
Magnesium	--	--	**4.3**		0.0042	0.10	--	**4.3**		0.0042	0.10	--	**4.3**		0.0042	0.10	--	**4.4**		0.0042	0.10	--	**4.4**		0.0042	0.10	--	**4.4**		0.0042	0.10
Field Data																															
Conductivity (µS/cm)	--	--	151.0				--	147.3				--	150.5				--	150.6				--	151.0				--	150.6			
Dissolved Oxygen (mg/L)	--	--	9.73				--	9.95				--	9.52				--	9.74				--	9.06				--	10.35			
pH (S.U.)	--	--	8.70				--	8.64				--	8.63				--	8.56				--	8.21				--	8.50			
Salinity (ppt)	--	--	0.09				--	0.08				--	0.09				--	0.09				--	0.09				--	0.09			
Specific Conductance (µS/cm)	--	--	182.3				--	175.0				--	183.0				--	183.7				--	185.8				--	184.6			
Temperature (°C)	--	--	16.0				--	15.7				--	15.7				--	15.6				--	15.3				--	15.3			
Water level depth (M)	--	--	0.8				--	0.5				--	0.8				--	0.6				--	0.6				--	0.4			

Table 2. Validated Analytical Results and Measured Field Parameters (Cont.)

Sample ID		BR-05-24-Q4					BR-06-24-Q4					BR-07-24-Q4					BR-07-24-Q4-FD					BR-08-24-Q4					EB-01-24-Q4				
Sample Location		BR-05 (North & East Ponds)					BR-06 (North & East Ponds)					BR-07 (North & East Ponds)					Field Duplicate					BR-08 (North & East Ponds)					Equipment Blank				
Sample Date		10/28/2024					10/28/2024					10/28/2024					10/28/2024					10/28/2024					10/28/2024				
Chemical Name	**Comparison Standard**	**Comparison Standard Value**	**Result**	**Qual**	**MDL**	**RL**	**Comparison Standard Value**	**Result**	**Qual**	**MDL**	**RL**	**Comparison Standard Value**	**Result**	**Qual**	**MDL**	**RL**	**Comparison Standard Value**	**Result**	**Qual**	**MDL**	**RL**	**Comparison Standard Value**	**Result**	**Qual**	**MDL**	**RL**	**Comparison Standard Value**	**Result**	**Qual**	**MDL**	**RL**
Dissolved Metals (µg/L)																															
Antimony	HH - AOSW	640	< 0.10	U	0.10	1.0	640	< 0.10	U	0.10	1.0	640	< 0.10	U	0.10	1.0	640	< 0.10	U	0.10	1.0	640	< 0.10	U	0.10	1.0	--	< 0.10	U	0.10	1.0
Arsenic	AL FW Chronic	150	< 0.17	U	0.17	1.0	150	< 0.17	U	0.17	1.0	150	< 0.17	U	0.17	1.0	150	< 0.17	U	0.17	1.0	150	< 0.17	U	0.17	1.0	--	< 0.17	U	0.17	1.0
Boron	GPS	4000	**18.4**	**J**	7.5	50.0	4000	**19.2**	**J**	7.5	50.0	4000	**19.3**	**J**	7.5	50.0	4000	**19.0**	**J**	7.5	50.0	4000	**16.6**	**J**	7.5	50.0	--	< 7.5	U	7.5	50.0
Cadmium	AL FW Chronic	0.54*	< 0.037	U	0.037	0.10	0.55*	< 0.037	U	0.037	0.10	0.54*	< 0.037	U	0.037	0.10	0.55*	< 0.037	U	0.037	0.10	0.57*	< 0.037	U	0.037	0.10	--	< 0.037	U	0.037	0.10
Chromium	GPS	100	< 0.39	U	0.39	1.0	100	< 0.39	U	0.39	1.0	100	< 0.39	U	0.39	1.0	100	< 0.39	U	0.39	1.0	100	< 0.39	U	0.39	1.0	--	< 0.39	U	0.39	1.0
Chromium, Trivalent	AL FW Chronic	54*	< 10.0	U	10.0	10.0	56*	< 10.0	U	10.0	10.0	55*	< 10.0	U	10.0	10.0	55*	< 10.0	U	10.0	10.0	57*	< 10.0	U	10.0	10.0	--	< 10.0	UJ	10.0	10.0
Chromium, Hexavalent	AL FW Chronic	11	< 0.098	U	0.098	0.098	11	< 0.082	U	0.082	0.082	11	< 0.088	U	0.088	0.088	11	< 0.10	U	0.10	0.10	11	< 0.071	U	0.071	0.071	--	**0.066**	**J**	0.0043	0.025
Cobalt	GPS	6	**0.32**	**J**	0.14	1.0	6	**0.20**	**J**	0.14	1.0	6	**0.20**	**J**	0.14	1.0	6	**0.20**	**J**	0.14	1.0	6	**0.19**	**J**	0.14	1.0	--	< 0.14	U	0.14	1.0
Copper	AL FW Chronic	6.5*	**0.78**	**J**	0.55	2.0	6.6*	**0.92**	**J**	0.55	2.0	6.5*	< 0.55	U	0.55	2.0	6.6*	**0.56**	**J**	0.55	2.0	6.8*	< 0.55	U	0.55	2.0	--	< 0.55	U	0.55	2.0
Lead	AL FW Chronic	7.1*	< 0.18	U	0.18	1.0	7.3*	< 0.18	U	0.18	1.0	7.1*	< 0.18	U	0.18	1.0	7.2*	< 0.18	U	0.18	1.0	7.6*	< 0.18	U	0.18	1.0	--	< 0.18	U	0.18	1.0
Lithium	GPS	40	**1.4**	**J**	0.33	2.5	40	**1.4**	**J**	0.33	2.5	40	**1.5**	**J**	0.33	2.5	40	**1.4**	**J**	0.33	2.5	40	**1.4**	**J**	0.33	2.5	--	< 0.33	U	0.33	2.5
Mercury	AL FW Chronic	0.77	< 0.12	U	0.12	0.20	0.77	< 0.12	U	0.12	0.20	0.77	< 0.12	U	0.12	0.20	0.77	< 0.12	U	0.12	0.20	0.77	< 0.12	U	0.12	0.20	--	< 0.12	U	0.12	0.20
Molybdenum	GPS	100	**0.56**	**J**	0.075	1.0	100	**0.43**	**J**	0.075	1.0	100	**0.43**	**J**	0.075	1.0	100	**0.41**	**J**	0.075	1.0	100	**0.42**	**J**	0.075	1.0	--	< 0.075	U	0.075	1.0
Nickel	AL FW Chronic	15*	**1.0**		0.26	1.0	15*	**0.88**	**J**	0.26	1.0	15*	**0.85**	**J**	0.26	1.0	15*	**0.81**	**J**	0.26	1.0	16*	**0.84**	**J**	0.26	1.0	--	< 0.26	U	0.26	1.0
Selenium	AL FW Chronic	5	< 0.22	U	0.22	2.0	5	< 0.22	U	0.22	2.0	5	< 0.22	U	0.22	2.0	5	< 0.22	U	0.22	2.0	5	< 0.22	U	0.22	2.0	--	< 0.22	U	0.22	2.0
Silver	AL FW Acute	1.8*	< 0.046	U	0.046	0.40	1.9*	< 0.046	U	0.046	0.40	1.8*	< 0.046	U	0.046	0.40	1.9*	< 0.046	U	0.046	0.40	2.0*	< 0.046	U	0.046	0.40	--	< 0.046	U	0.046	0.40
Thallium	HH - AOSW	0.47	< 0.028	U	0.028	0.20	0.47	< 0.028	U	0.028	0.20	0.47	< 0.028	U	0.028	0.20	0.47	< 0.028	U	0.028	0.20	0.47	< 0.028	U	0.028	0.20	--	< 0.028	U	0.028	0.20
Zinc	AL FW Chronic	86*	**2.6**	**J**	0.93	10.0	88*	**2.4**	**J**	0.93	10.0	86*	**2.6**	**J**	0.93	10.0	87*	**2.4**	**J**	0.93	10.0	90*	**2.4**	**J**	0.93	10.0	--	< 0.93	U	0.93	10.0
Hardness (mg/L)																															
Calcium	--	--	**20.3**		0.19	0.60	--	**20.8**		0.19	0.60	--	**20.2**		0.19	0.60	--	**20.6**		0.19	0.60	--	**21.9**		0.19	0.60	--	< 0.063	U	0.063	0.20
Hardness	--	--	**68.6**		1.6	2.7	--	**70.4**		1.6	2.7	--	**68.9**		1.6	2.7	--	**69.7**		1.6	2.7	--	**73.0**		1.6	2.7	--	< 0.54	U	0.54	0.91
Magnesium	--	--	**4.4**		0.0042	0.10	--	**4.5**		0.0042	0.10	--	**4.5**		0.0042	0.10	--	**4.4**		0.0042	0.10	--	**4.4**		0.0042	0.10	--	**0.025**	**J**	0.0042	0.10
Field Data																															
Conductivity (µS/cm)	--	--	149.0				--	148.9				--	148.7				--					--	146.7				--				
Dissolved Oxygen (mg/L)	--	--	10.03				--	9.98				--	9.17				--					--	9.28				--				
pH (S.U.)	--	--	8.38				--	8.34				--	8.24				--					--	8.11				--				
Salinity (ppt)	--	--	0.09				--	0.09				--	0.09				--					--	0.09				--				
Specific Conductance (µS/cm)	--	--	183.8				--	184.5				--	185.1				--					--	184.5				--				
Temperature (°C)	--	--	15.1				--	14.9				--	14.7				--					--	14.3				--				
Water level depth (M)	--	--	0.6				--	0.4				--	0.4				--					--	0.4				--				

Table 2. Validated Analytical Results and Measured Field Parameters (Cont.)

	Sample ID	FB-01-24-Q4				
	Sample Location	Field Blank				
	Sample Date	10/28/2024				
Chemical Name	**Comparison Standard**	**Comparison Standard Value**	**Result**	**Qual**	**MDL**	**RL**
Dissolved Metals (µg/L)						
Antimony	HH - AOSW	--	< 0.10	U	0.10	1.0
Arsenic	AL FW Chronic	--	< 0.17	U	0.17	1.0
Boron	GPS	--	< 7.5	U	7.5	50.0
Cadmium	AL FW Chronic	--	< 0.037	U	0.037	0.10
Chromium	GPS	--	< 0.39	U	0.39	1.0
Chromium, Trivalent	AL FW Chronic	--	< 10.0	UJ	10.0	10.0
Chromium, Hexavalent	AL FW Chronic	--	**0.057**	**J**	0.0043	0.025
Cobalt	GPS	--	< 0.14	U	0.14	1.0
Copper	AL FW Chronic	--	< 0.55	U	0.55	2.0
Lead	AL FW Chronic	--	< 0.18	U	0.18	1.0
Lithium	GPS	--	< 0.33	U	0.33	2.5
Mercury	AL FW Chronic	--	< 0.12	U	0.12	0.20
Molybdenum	GPS	--	< 0.075	U	0.075	1.0
Nickel	AL FW Chronic	--	< 0.26	U	0.26	1.0
Selenium	AL FW Chronic	--	< 0.22	U	0.22	2.0
Silver	AL FW Acute	--	< 0.046	U	0.046	0.40
Thallium	HH - AOSW	--	< 0.028	U	0.028	0.20
Zinc	AL FW Chronic	--	< 0.93	U	0.93	10.0
Hardness (mg/L)						
Calcium	--	--	< 0.063	U	0.063	0.20
Hardness	--	--	< 0.54	U	0.54	0.91
Magnesium	--	--	< 0.0042	U	0.0042	0.10
Field Data						
Conductivity (µS/cm)	--	--				
Dissolved Oxygen (mg/L)	--	--				
pH (S.U.)	--	--				
Salinity (ppt)	--	--				
Specific Conductance (µS/cm)	--	--				
Temperature (°C)	--	--				
Water level depth (M)	--	--				

Notes:
°C = Degrees Celsius
GPS = Groundwater Protection Standard (Virginia Solid Waste Permit #617)
MDL = Method detection limit
mg/L = Milligrams per liter
M = Meters
ppt = parts per trillion
RL = Reporting limit
pH Units= standard pH Units
µg/L = Micrograms per liter
µS/cm = MicroSiemen per centimeter
VA WQC = Virginia Water Quality Criterial (9VAC-25-260-140)
HH AOSW = Human health (all other surface waters)
AL FW = Aquatic life - freshwater
* hardness-specific criteria
Bold = detected concentration

Qualifiers (Qual):
J = Quantitation is approximate due to limitations identified during data validation.
U = The analyte was not detected above the level of the sample reporting limit.
UJ = The analyte was not detected; the reporting limit is approximate and may be inaccurate or imprecise.

= Concentration greater than applicable comparison standard

5.0 REFERENCES

EA Engineering, Science, and Technology, Inc.. (2022). *Surface Water Monitoring Plan, Dominion Energy, Bremo Power Station*. Prepared for Dominion Energy Services, Inc. August 2019 (Revised August 2022).

USGS. (2025). USGS 02029000 James River at Scottsville, VA. National Water Information System. Retrieved from https://waterdata.usgs.gov/monitoring-location/02029000/#showMedian=true&dataTypeId=continuous-00060-0&startDT=2024-10-28&endDT=2024-10-28.

VDEQ. (2017). *Standard Operating Procedures Manual for the Department of Environmental Quality Water Quality Monitoring and Assessment Program.* Rev 20. Richmond, Virginia.

Appendix A

Field Documentation

10/28/2024

1023 - YSI Pro Plus calibration Temp 17.5°C Bp 767.8

Parameter	I	E
Sp cond (uS/cm)	1465	1413
pH 7	7.03	[7.03]
pH 4	4.00	[4.00]
pH 10	10.23	10.11
DO%	114.5	101.6

1200 - FB-01-24-Q4

1205 - EB-01-24-Q4

1215p - BR-08-24-Q4 *BR-08-24-Q4-MS & BR-08-24-Q4-MSD COLLECTED

Temp: 14.3°C DO: 9.28 mg/L Sp cond: 184.5 uS/cm

Cond: 146.7 uS/cm Sal: 0.09 ppt pH: 8.11

Depth: 0.4 m coord: 37.70386, -78.28057

Weather: 60 F, Sunny, 5-10 mph SE winds

1240 - BR-07-24-Q4 * BR-07-24-Q4-FD COLLECTED

TEMP: 14.7°C DO: 9.17 mg/L SP COND: 185.1 uS/cm

COND: 148.7 uS/cm SAL: 0.09 ppt pH: 8.24

DEPTH: 0.4m COOR: 37.70458, -78.2818

WEATHER: 60 F, SUNNY, 5-10 mph SE WINDS

1310 - BR-06-24-Q4

TEMP: 14.9°C DO: 9.98 mg/L SP. COND 184.5 uS/cm

COND: 148.9 uS/cm SAL: 0.09 ppt pH: 8.34

DEPTH: 0.4m COOR: 37.7054, -78.28336

WEATHER: SUNNY, 63 F, 0-5 mph SE WINDS

1330 - BR-05-24-Q4

TEMP. 15.1°C DO: 10.03 mg/L SP. COND: 182.8 µS/cm

COND: 148.0 µS/cm SAL: 0.09 ppt pH: 8.38

DEPTH 0.6m COOR:

WEATHER: SUNNY, 63 F, 0-5 mph SE WINDS

1350 - BR-04-24-Q4

TEMP: 15.3°C DO: 10.35 mg/L SP. COND: 184.6 µS/cm

COND: 150.6 µS/cm SAL: 0.09 ppt pH: 8.50

DEPTH: 0.4 m COOR: 37.70885, -78.29049

WEATHER: 64F, SUNNY, 0-5 mph SE WINDS

1410 - BR-03-24-Q4

TEMP: 15.3°C DO: 9.06 mg/L SP. COND: 185.8 µS/cm

COND: 151.0 µS/cm SAL: 0.09 ppt pH: 8.21

DEPTH: 0.6m COOR: 37.70427, -78.29192

WEATHER: 64 F, SUNNY, 0-5 mph SE WINDS

1425 - BR-02-24-Q4

TEMP: 15.6°C DO: 9.74 mg/L SP. COND: 183.7 µS/cm

COND: 150.6 µS/cm SAL 0.09 ppt pH: 8.56

DEPTH: 0.6m COOR: 37.70968, -78.2937

WEATHER: 65 F, SUNNY, 0-5 mph SE WINDS

1440 - BR-01-24-Q4

TEMP: 15.7°C DO: 9.52 mg/L SP. COND: 183.0 µS/cm

COND: 150.5 µS/cm SAL: 0.09 ppt pH: 8.63

DEPTH: 0.8m COOR: ~~37...~~ CF 37.71005, -78.2952

WEATHER: 65 F, SUNNY, 0-5 mph SE WINDS

1500 - JR-02-24-Q4

TEMP: 15.7°C DO: 9.95 mg/L SP. COND: 179.0 µS/cm

COND: 147.3 µS/cm SAL: 0.08 ppt pH: 8.64

DEPTH: 0.5m COOR: ~~...~~ 37.71081, -78.29849

WEATHER: 65 F, SUNNY, 0-5 mph SE WINDS

1510 - JR-01-24-Q4

TEMP: 16.0°C DO: 9.78 mg/L SP. COND: 182.3 µS/cm

COND: 151.0 µS/cm SAL: 0.09 ppt pH: 8.7

DEPTH: 0.8m COOR: 37.71122, -78.30025

WEATHER: 65 F, SUNNY, 0-5 mph SE WINDS

* ALL SAMPLING MARKER SIGNS WERE OBSERVED AND IN GOOD CONDITION. DISCHARGE AT THE SCOTTSVILLE GAUGE WAS ~ 1400 ft^3/s DURING SAMPLE COLLECTION AND WATER CLARITY WAS CLEAR TO BOTTOM AT ALL SAMPLING LOCATIONS.

Appendix B

Laboratory Analytical Report

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

November 11, 2024

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

RE: Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Dear Kelly Hicks:

Enclosed are the analytical results for sample(s) received by the laboratory on October 29, 2024. 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 Analytical Services - Asheville
- Pace Analytical Services - Charlotte

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

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
612-473-6801
Project Manager

Enclosures

cc: ENV STD DM
Rashida Marlowe, Dominion Energy Services, Inc.
Joe Papineau, EnviroScience
Environmental Standards, Inc., Environmental Standards, Inc.

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

CERTIFICATIONS

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

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

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

SAMPLE SUMMARY

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92760477001	**FB-01-24-Q4**	Water	10/28/24 12:00	10/29/24 08:00
92760477002	**EB-01-24-Q4**	Water	10/28/24 12:05	10/29/24 08:00
92760477003	**BR-08-24-Q4**	Water	10/28/24 12:15	10/29/24 08:00
92760477004	**BR-07-24-Q4**	Water	10/28/24 12:40	10/29/24 08:00
92760477005	**BR-07-24-Q4-FD**	Water	10/28/24 12:40	10/29/24 08:00
92760477006	**BR-06-24-Q4**	Water	10/28/24 13:10	10/29/24 08:00
92760477007	**BR-05-24-Q4**	Water	10/28/24 13:30	10/29/24 08:00
92760477008	**BR-04-24-Q4**	Water	10/28/24 13:50	10/29/24 08:00
92760477009	**BR-03-24-Q4**	Water	10/28/24 14:10	10/29/24 08:00
92760477010	**BR-02-24-Q4**	Water	10/28/24 14:25	10/29/24 08:00
92760477011	**BR-01-24-Q4**	Water	10/28/24 14:40	10/29/24 08:00
92760477012	**JR-02-24-Q4**	Water	10/28/24 15:00	10/29/24 08:00
92760477013	**JR-01-24-Q4**	Water	10/28/24 15:20	10/29/24 08:00

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

SAMPLE ANALYTE COUNT

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92760477001	**FB-01-24-Q4**	EPA 7199	VJM	1	PASI-C
		EPA 6020B	CRW	18	PASI-A
		Trivalent Chromium Calculation	EWS	1	PASI-A
		EPA 7470A	MAB2	1	PASI-A
92760477002	**EB-01-24-Q4**	EPA 7199	VJM	1	PASI-C
		EPA 6020B	KRL	18	PASI-A
		Trivalent Chromium Calculation	EWS	1	PASI-A
		EPA 7470A	MAB2	1	PASI-A
92760477003	**BR-08-24-Q4**	EPA 7199	VJM	1	PASI-C
		EPA 6020B	KRL	18	PASI-A
		Trivalent Chromium Calculation	EWS	1	PASI-A
		EPA 7470A	MAB2	1	PASI-A
92760477004	**BR-07-24-Q4**	EPA 7199	VJM	1	PASI-C
		EPA 6020B	KRL	18	PASI-A
		Trivalent Chromium Calculation	EWS	1	PASI-A
		EPA 7470A	MAB2	1	PASI-A
92760477005	**BR-07-24-Q4-FD**	EPA 7199	VJM	1	PASI-C
		EPA 6020B	KRL	18	PASI-A
		Trivalent Chromium Calculation	EWS	1	PASI-A
		EPA 7470A	MAB2	1	PASI-A
92760477006	**BR-06-24-Q4**	EPA 7199	VJM	1	PASI-C
		EPA 6020B	KRL	18	PASI-A
		Trivalent Chromium Calculation	EWS	1	PASI-A
		EPA 7470A	MAB2	1	PASI-A
92760477007	**BR-05-24-Q4**	EPA 7199	VJM	1	PASI-C
		EPA 6020B	KRL	18	PASI-A
		Trivalent Chromium Calculation	EWS	1	PASI-A
		EPA 7470A	MAB2	1	PASI-A
92760477008	**BR-04-24-Q4**	EPA 7199	VJM	1	PASI-C
		EPA 6020B	KRL	18	PASI-A
		Trivalent Chromium Calculation	EWS	1	PASI-A
		EPA 7470A	MAB2	1	PASI-A
92760477009	**BR-03-24-Q4**	EPA 7199	VJM	1	PASI-C
		EPA 6020B	KRL	18	PASI-A
		Trivalent Chromium Calculation	EWS	1	PASI-A
		EPA 7470A	MAB2	1	PASI-A
92760477010	**BR-02-24-Q4**	EPA 7199	VJM	1	PASI-C

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

SAMPLE ANALYTE COUNT

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020B	KRL	18	PASI-A
		Trivalent Chromium Calculation	EWS	1	PASI-A
		EPA 7470A	MAB2	1	PASI-A
92760477011	**BR-01-24-Q4**	EPA 7199	VJM	1	PASI-C
		EPA 6020B	KRL	18	PASI-A
		Trivalent Chromium Calculation	EWS	1	PASI-A
		EPA 7470A	MAB2	1	PASI-A
92760477012	**JR-02-24-Q4**	EPA 7199	VJM	1	PASI-C
		EPA 6020B	KRL	18	PASI-A
		Trivalent Chromium Calculation	EWS	1	PASI-A
		EPA 7470A	MAB2	1	PASI-A
92760477013	**JR-01-24-Q4**	EPA 7199	VJM	1	PASI-C
		EPA 6020B	KRL	18	PASI-A
		Trivalent Chromium Calculation	EWS	1	PASI-A
		EPA 7470A	MAB2	1	PASI-A

PASI-A = Pace Analytical Services - Asheville
PASI-C = Pace Analytical Services - Charlotte

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

SUMMARY OF DETECTION

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92760477001	**FB-01-24-Q4**					
EPA 7199	Chromium, Hexavalent	0.057	ug/L	0.025	10/29/24 16:32	H1
92760477002	**EB-01-24-Q4**					
EPA 7199	Chromium, Hexavalent	0.066	ug/L	0.025	10/29/24 16:49	H1
EPA 6020B	Magnesium, Dissolved	0.025J	mg/L	0.10	11/07/24 21:38	
92760477003	**BR-08-24-Q4**					
EPA 7199	Chromium, Hexavalent	0.071	ug/L	0.025	10/29/24 12:05	
EPA 6020B	Boron, Dissolved	16.6J	ug/L	50.0	11/08/24 14:31	
EPA 6020B	Calcium, Dissolved	21.9	mg/L	0.60	11/08/24 14:35	M1
EPA 6020B	Cobalt, Dissolved	0.19J	ug/L	1.0	11/07/24 21:42	
EPA 6020B	Hardness, Total(SM 2340B), Dissolved	73.0	mg/L	2.7	11/08/24 14:35	
EPA 6020B	Lithium, Dissolved	1.4J	ug/L	2.5	11/07/24 21:42	
EPA 6020B	Magnesium, Dissolved	4.4	mg/L	0.10	11/07/24 21:42	
EPA 6020B	Molybdenum, Dissolved	0.42J	ug/L	1.0	11/07/24 21:42	
EPA 6020B	Nickel, Dissolved	0.84J	ug/L	1.0	11/07/24 21:42	
EPA 6020B	Zinc, Dissolved	2.4J	ug/L	10.0	11/07/24 21:42	
92760477004	**BR-07-24-Q4**					
EPA 7199	Chromium, Hexavalent	0.088	ug/L	0.025	10/29/24 12:33	
EPA 6020B	Boron, Dissolved	19.3J	ug/L	50.0	11/07/24 22:08	
EPA 6020B	Calcium, Dissolved	20.2	mg/L	0.60	11/08/24 15:17	
EPA 6020B	Cobalt, Dissolved	0.20J	ug/L	1.0	11/07/24 22:08	
EPA 6020B	Hardness, Total(SM 2340B), Dissolved	68.9	mg/L	2.7	11/08/24 15:17	
EPA 6020B	Lithium, Dissolved	1.5J	ug/L	2.5	11/07/24 22:08	
EPA 6020B	Magnesium, Dissolved	4.5	mg/L	0.10	11/07/24 22:08	
EPA 6020B	Molybdenum, Dissolved	0.43J	ug/L	1.0	11/07/24 22:08	
EPA 6020B	Nickel, Dissolved	0.85J	ug/L	1.0	11/07/24 22:08	
EPA 6020B	Zinc, Dissolved	2.6J	ug/L	10.0	11/07/24 22:08	
92760477005	**BR-07-24-Q4-FD**					
EPA 7199	Chromium, Hexavalent	0.10	ug/L	0.025	10/29/24 12:23	
EPA 6020B	Boron, Dissolved	19.0J	ug/L	50.0	11/07/24 22:12	
EPA 6020B	Calcium, Dissolved	20.6	mg/L	0.60	11/08/24 15:21	
EPA 6020B	Cobalt, Dissolved	0.20J	ug/L	1.0	11/07/24 22:12	
EPA 6020B	Copper, Dissolved	0.56J	ug/L	2.0	11/07/24 22:12	
EPA 6020B	Hardness, Total(SM 2340B), Dissolved	69.7	mg/L	2.7	11/08/24 15:21	
EPA 6020B	Lithium, Dissolved	1.4J	ug/L	2.5	11/07/24 22:12	
EPA 6020B	Magnesium, Dissolved	4.4	mg/L	0.10	11/07/24 22:12	
EPA 6020B	Molybdenum, Dissolved	0.41J	ug/L	1.0	11/07/24 22:12	
EPA 6020B	Nickel, Dissolved	0.81J	ug/L	1.0	11/07/24 22:12	
EPA 6020B	Zinc, Dissolved	2.4J	ug/L	10.0	11/07/24 22:12	
92760477006	**BR-06-24-Q4**					
EPA 7199	Chromium, Hexavalent	0.082	ug/L	0.025	10/29/24 12:56	
EPA 6020B	Boron, Dissolved	19.2J	ug/L	50.0	11/07/24 22:16	
EPA 6020B	Calcium, Dissolved	20.8	mg/L	0.60	11/08/24 15:25	

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SUMMARY OF DETECTION

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92760477006	**BR-06-24-Q4**					
EPA 6020B	Cobalt, Dissolved	0.20J	ug/L	1.0	11/07/24 22:16	
EPA 6020B	Copper, Dissolved	0.92J	ug/L	2.0	11/07/24 22:16	
EPA 6020B	Hardness, Total(SM 2340B), Dissolved	70.4	mg/L	2.7	11/08/24 15:25	
EPA 6020B	Lithium, Dissolved	1.4J	ug/L	2.5	11/07/24 22:16	
EPA 6020B	Magnesium, Dissolved	4.5	mg/L	0.10	11/07/24 22:16	
EPA 6020B	Molybdenum, Dissolved	0.43J	ug/L	1.0	11/07/24 22:16	
EPA 6020B	Nickel, Dissolved	0.88J	ug/L	1.0	11/07/24 22:16	
EPA 6020B	Zinc, Dissolved	2.4J	ug/L	10.0	11/07/24 22:16	
92760477007	**BR-05-24-Q4**					
EPA 7199	Chromium, Hexavalent	0.098	ug/L	0.025	10/29/24 13:07	
EPA 6020B	Boron, Dissolved	18.4J	ug/L	50.0	11/07/24 22:19	
EPA 6020B	Calcium, Dissolved	20.3	mg/L	0.60	11/08/24 15:28	
EPA 6020B	Cobalt, Dissolved	0.32J	ug/L	1.0	11/07/24 22:19	
EPA 6020B	Copper, Dissolved	0.78J	ug/L	2.0	11/07/24 22:19	
EPA 6020B	Hardness, Total(SM 2340B), Dissolved	68.6	mg/L	2.7	11/08/24 15:28	
EPA 6020B	Lithium, Dissolved	1.4J	ug/L	2.5	11/07/24 22:19	
EPA 6020B	Magnesium, Dissolved	4.4	mg/L	0.10	11/07/24 22:19	
EPA 6020B	Molybdenum, Dissolved	0.56J	ug/L	1.0	11/07/24 22:19	
EPA 6020B	Nickel, Dissolved	1.0	ug/L	1.0	11/07/24 22:19	
EPA 6020B	Zinc, Dissolved	2.6J	ug/L	10.0	11/07/24 22:19	
92760477008	**BR-04-24-Q4**					
EPA 7199	Chromium, Hexavalent	0.077	ug/L	0.025	10/29/24 13:17	
EPA 6020B	Boron, Dissolved	18.5J	ug/L	50.0	11/07/24 22:23	
EPA 6020B	Calcium, Dissolved	20.9	mg/L	0.60	11/08/24 15:32	
EPA 6020B	Cobalt, Dissolved	0.19J	ug/L	1.0	11/07/24 22:23	
EPA 6020B	Copper, Dissolved	0.59J	ug/L	2.0	11/07/24 22:23	
EPA 6020B	Hardness, Total(SM 2340B), Dissolved	70.3	mg/L	2.7	11/08/24 15:32	
EPA 6020B	Lithium, Dissolved	1.4J	ug/L	2.5	11/07/24 22:23	
EPA 6020B	Magnesium, Dissolved	4.4	mg/L	0.10	11/07/24 22:23	
EPA 6020B	Molybdenum, Dissolved	0.43J	ug/L	1.0	11/07/24 22:23	
EPA 6020B	Nickel, Dissolved	0.84J	ug/L	1.0	11/07/24 22:23	
EPA 6020B	Zinc, Dissolved	2.8J	ug/L	10.0	11/07/24 22:23	
92760477009	**BR-03-24-Q4**					
EPA 7199	Chromium, Hexavalent	0.095	ug/L	0.025	10/29/24 14:18	H1
EPA 6020B	Boron, Dissolved	18.3J	ug/L	50.0	11/07/24 22:27	
EPA 6020B	Calcium, Dissolved	19.8	mg/L	0.60	11/08/24 15:36	
EPA 6020B	Cobalt, Dissolved	0.19J	ug/L	1.0	11/07/24 22:27	
EPA 6020B	Copper, Dissolved	0.56J	ug/L	2.0	11/07/24 22:27	
EPA 6020B	Hardness, Total(SM 2340B), Dissolved	67.4	mg/L	2.7	11/08/24 15:36	
EPA 6020B	Lithium, Dissolved	1.4J	ug/L	2.5	11/07/24 22:27	
EPA 6020B	Magnesium, Dissolved	4.4	mg/L	0.10	11/07/24 22:27	
EPA 6020B	Molybdenum, Dissolved	0.42J	ug/L	1.0	11/07/24 22:27	
EPA 6020B	Nickel, Dissolved	0.82J	ug/L	1.0	11/07/24 22:27	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92760477009	**BR-03-24-Q4**					
EPA 6020B	Zinc, Dissolved	2.4J	ug/L	10.0	11/07/24 22:27	
92760477010	**BR-02-24-Q4**					
EPA 7199	Chromium, Hexavalent	0.086	ug/L	0.025	10/29/24 13:52	
EPA 6020B	Boron, Dissolved	18.3J	ug/L	50.0	11/07/24 22:31	
EPA 6020B	Calcium, Dissolved	20.1	mg/L	0.60	11/08/24 15:40	
EPA 6020B	Cobalt, Dissolved	0.28J	ug/L	1.0	11/07/24 22:31	
EPA 6020B	Copper, Dissolved	0.82J	ug/L	2.0	11/07/24 22:31	
EPA 6020B	Hardness, Total(SM 2340B), Dissolved	68.2	mg/L	2.7	11/08/24 15:40	
EPA 6020B	Lithium, Dissolved	1.4J	ug/L	2.5	11/07/24 22:31	
EPA 6020B	Magnesium, Dissolved	4.4	mg/L	0.10	11/07/24 22:31	
EPA 6020B	Molybdenum, Dissolved	0.43J	ug/L	1.0	11/07/24 22:31	
EPA 6020B	Nickel, Dissolved	0.96J	ug/L	1.0	11/07/24 22:31	
EPA 6020B	Zinc, Dissolved	2.2J	ug/L	10.0	11/07/24 22:31	
92760477011	**BR-01-24-Q4**					
EPA 7199	Chromium, Hexavalent	0.075	ug/L	0.025	10/29/24 14:10	
EPA 6020B	Boron, Dissolved	18.5J	ug/L	50.0	11/07/24 22:35	
EPA 6020B	Calcium, Dissolved	20.0	mg/L	0.60	11/08/24 15:51	
EPA 6020B	Cobalt, Dissolved	0.23J	ug/L	1.0	11/07/24 22:35	
EPA 6020B	Copper, Dissolved	0.82J	ug/L	2.0	11/07/24 22:35	
EPA 6020B	Hardness, Total(SM 2340B), Dissolved	67.7	mg/L	2.7	11/08/24 15:51	
EPA 6020B	Lithium, Dissolved	1.4J	ug/L	2.5	11/07/24 22:35	
EPA 6020B	Magnesium, Dissolved	4.3	mg/L	0.10	11/07/24 22:35	
EPA 6020B	Molybdenum, Dissolved	0.42J	ug/L	1.0	11/07/24 22:35	
EPA 6020B	Nickel, Dissolved	0.87J	ug/L	1.0	11/07/24 22:35	
EPA 6020B	Zinc, Dissolved	2.4J	ug/L	10.0	11/07/24 22:35	
92760477012	**JR-02-24-Q4**					
EPA 7199	Chromium, Hexavalent	0.085	ug/L	0.025	10/29/24 14:28	
EPA 6020B	Boron, Dissolved	17.6J	ug/L	50.0	11/07/24 22:38	
EPA 6020B	Calcium, Dissolved	19.7	mg/L	0.20	11/07/24 22:38	
EPA 6020B	Cobalt, Dissolved	0.19J	ug/L	1.0	11/07/24 22:38	
EPA 6020B	Copper, Dissolved	0.56J	ug/L	2.0	11/07/24 22:38	
EPA 6020B	Hardness, Total(SM 2340B), Dissolved	66.8	mg/L	0.91	11/07/24 22:38	
EPA 6020B	Lithium, Dissolved	1.4J	ug/L	2.5	11/07/24 22:38	
EPA 6020B	Magnesium, Dissolved	4.3	mg/L	0.10	11/07/24 22:38	
EPA 6020B	Molybdenum, Dissolved	0.40J	ug/L	1.0	11/07/24 22:38	
EPA 6020B	Nickel, Dissolved	0.80J	ug/L	1.0	11/07/24 22:38	
EPA 6020B	Zinc, Dissolved	2.4J	ug/L	10.0	11/07/24 22:38	
92760477013	**JR-01-24-Q4**					
EPA 7199	Chromium, Hexavalent	0.081	ug/L	0.025	10/29/24 17:07	H1
EPA 6020B	Boron, Dissolved	18.0J	ug/L	50.0	11/07/24 22:42	
EPA 6020B	Calcium, Dissolved	19.9	mg/L	0.20	11/07/24 22:42	
EPA 6020B	Cobalt, Dissolved	0.18J	ug/L	1.0	11/07/24 22:42	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92760477013	**JR-01-24-Q4**					
EPA 6020B	Hardness, Total(SM 2340B), Dissolved	67.6	mg/L	0.91	11/07/24 22:42	
EPA 6020B	Lithium, Dissolved	1.3J	ug/L	2.5	11/07/24 22:42	
EPA 6020B	Magnesium, Dissolved	4.3	mg/L	0.10	11/07/24 22:42	
EPA 6020B	Molybdenum, Dissolved	0.42J	ug/L	1.0	11/07/24 22:42	
EPA 6020B	Nickel, Dissolved	0.80J	ug/L	1.0	11/07/24 22:42	
EPA 6020B	Zinc, Dissolved	2.4J	ug/L	10.0	11/07/24 22:42	

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PROJECT NARRATIVE

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Method: **EPA 7199**
Description: 7199 Chromium, Hexavalent
Client: Dominion Energy_VA
Date: November 11, 2024

General Information:
13 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.
- BR-03-24-Q4 (Lab ID: 92760477009)
- EB-01-24-Q4 (Lab ID: 92760477002)
- FB-01-24-Q4 (Lab ID: 92760477001)
- JR-01-24-Q4 (Lab ID: 92760477013)

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.

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

Additional Comments:

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PROJECT NARRATIVE

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Method: **EPA 6020B**
Description: 6020 MET ICPMS
Client: Dominion Energy_VA
Date: November 11, 2024

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

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

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

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

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

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

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

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

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

Additional Comments:

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PROJECT NARRATIVE

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Method: **EPA 6020B**
Description: 6020 MET ICPMS, Dissolved
Client: Dominion Energy_VA
Date: November 11, 2024

General Information:
12 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: 892380

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92760477003

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

- MS (Lab ID: 4594756)
  - Calcium, Dissolved
- MSD (Lab ID: 4594757)
  - Calcium, Dissolved

Additional Comments:

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PROJECT NARRATIVE

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Method: **Trivalent Chromium Calculation**
Description: Trivalent Chromium Calculation
Client: Dominion Energy_VA
Date: November 11, 2024

General Information:
1 sample was analyzed for Trivalent Chromium Calculation 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.

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.

Additional Comments:

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PROJECT NARRATIVE

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Method: **Trivalent Chromium Calculation**
Description: Trivalent Chromium Cal, Diss
Client: Dominion Energy_VA
Date: November 11, 2024

General Information:
12 samples were analyzed for Trivalent Chromium Calculation 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.

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.

Additional Comments:

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PROJECT NARRATIVE

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Method: **EPA 7470A**
Description: 7470 Mercury
Client: Dominion Energy_VA
Date: November 11, 2024

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

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

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

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

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

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

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

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

Additional Comments:

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PROJECT NARRATIVE

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Method: **EPA 7470A**
Description: 7470 Mercury, Dissolved
Client: Dominion Energy_VA
Date: November 11, 2024

General Information:
12 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:

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

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ANALYTICAL RESULTS

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Sample: FB-01-24-Q4 **Lab ID: 92760477001** Collected: 10/28/24 12:00 Received: 10/29/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	**0.057**	ug/L	0.025	0.0043	1		10/29/24 16:32	18540-29-9	H1
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony	ND	ug/L	1.0	0.10	1	10/30/24 16:15	11/07/24 06:11	7440-36-0	
Arsenic	ND	ug/L	1.0	0.17	1	10/30/24 16:15	11/07/24 06:11	7440-38-2	
Boron	ND	ug/L	50.0	7.5	1	10/30/24 16:15	11/07/24 06:11	7440-42-8	
Cadmium	ND	ug/L	0.10	0.037	1	10/30/24 16:15	11/07/24 06:11	7440-43-9	
Calcium	ND	mg/L	0.20	0.063	1	10/30/24 16:15	11/07/24 06:11	7440-70-2	
Chromium	ND	ug/L	1.0	0.39	1	10/30/24 16:15	11/07/24 06:11	7440-47-3	
Cobalt	ND	ug/L	1.0	0.14	1	10/30/24 16:15	11/07/24 06:11	7440-48-4	
Copper	ND	ug/L	2.0	0.55	1	10/30/24 16:15	11/07/24 06:11	7440-50-8	
Lead	ND	ug/L	1.0	0.18	1	10/30/24 16:15	11/07/24 06:11	7439-92-1	
Lithium	ND	ug/L	2.5	0.33	1	10/30/24 16:15	11/07/24 06:11	7439-93-2	
Magnesium	ND	mg/L	0.10	0.0042	1	10/30/24 16:15	11/07/24 06:11	7439-95-4	
Molybdenum	ND	ug/L	1.0	0.075	1	10/30/24 16:15	11/07/24 06:11	7439-98-7	
Nickel	ND	ug/L	1.0	0.26	1	10/30/24 16:15	11/07/24 06:11	7440-02-0	
Selenium	ND	ug/L	2.0	0.22	1	10/30/24 16:15	11/07/24 06:11	7782-49-2	
Silver	ND	ug/L	0.40	0.046	1	10/30/24 16:15	11/07/24 06:11	7440-22-4	
Thallium	ND	ug/L	0.20	0.028	1	10/30/24 16:15	11/07/24 06:11	7440-28-0	
Hardness, Total(SM 2340B)	ND	mg/L	0.91	0.54	1	10/30/24 16:15	11/07/24 06:11		
Zinc	ND	ug/L	10.0	0.93	1	10/30/24 16:15	11/07/24 06:11	7440-66-6	
Trivalent Chromium Calculation	Analytical Method: Trivalent Chromium Calculation Pace Analytical Services - Asheville								
Chromium, Trivalent	ND	ug/L	10.0	10.0	1		11/11/24 15:45	16065-83-1	N2
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	0.12	1	11/04/24 13:44	11/05/24 11:47	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Sample: EB-01-24-Q4 **Lab ID: 92760477002** Collected: 10/28/24 12:05 Received: 10/29/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	**0.066**	ug/L	0.025	0.0043	1		10/29/24 16:49	18540-29-9	H1
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony, Dissolved	ND	ug/L	1.0	0.10	1	10/30/24 17:50	11/07/24 21:38	7440-36-0	
Arsenic, Dissolved	ND	ug/L	1.0	0.17	1	10/30/24 17:50	11/07/24 21:38	7440-38-2	
Boron, Dissolved	ND	ug/L	50.0	7.5	1	10/30/24 17:50	11/08/24 14:27	7440-42-8	
Cadmium, Dissolved	ND	ug/L	0.10	0.037	1	10/30/24 17:50	11/07/24 21:38	7440-43-9	
Calcium, Dissolved	ND	mg/L	0.20	0.063	1	10/30/24 17:50	11/07/24 21:38	7440-70-2	
Chromium, Dissolved	ND	ug/L	1.0	0.39	1	10/30/24 17:50	11/07/24 21:38	7440-47-3	
Cobalt, Dissolved	ND	ug/L	1.0	0.14	1	10/30/24 17:50	11/07/24 21:38	7440-48-4	
Copper, Dissolved	ND	ug/L	2.0	0.55	1	10/30/24 17:50	11/07/24 21:38	7440-50-8	
Hardness, Total(SM 2340B), Dissolved	ND	mg/L	0.91	0.54	1	10/30/24 17:50	11/07/24 21:38		
Lead, Dissolved	ND	ug/L	1.0	0.18	1	10/30/24 17:50	11/07/24 21:38	7439-92-1	
Lithium, Dissolved	ND	ug/L	2.5	0.33	1	10/30/24 17:50	11/07/24 21:38	7439-93-2	
Magnesium, Dissolved	**0.025J**	mg/L	0.10	0.0042	1	10/30/24 17:50	11/07/24 21:38	7439-95-4	
Molybdenum, Dissolved	ND	ug/L	1.0	0.075	1	10/30/24 17:50	11/07/24 21:38	7439-98-7	
Nickel, Dissolved	ND	ug/L	1.0	0.26	1	10/30/24 17:50	11/07/24 21:38	7440-02-0	
Selenium, Dissolved	ND	ug/L	2.0	0.22	1	10/30/24 17:50	11/07/24 21:38	7782-49-2	
Silver, Dissolved	ND	ug/L	0.40	0.046	1	10/30/24 17:50	11/07/24 21:38	7440-22-4	
Thallium, Dissolved	ND	ug/L	0.20	0.028	1	10/30/24 17:50	11/07/24 21:38	7440-28-0	
Zinc, Dissolved	ND	ug/L	10.0	0.93	1	10/30/24 17:50	11/07/24 21:38	7440-66-6	
Trivalent Chromium Cal, Diss	Analytical Method: Trivalent Chromium Calculation Pace Analytical Services - Asheville								
Chromium, Trivalent, Dissolved	ND	ug/L	10.0	10.0	1		11/11/24 16:00	16065-83-1	N2
7470 Mercury, Dissolved	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury, Dissolved	ND	ug/L	0.20	0.12	1	11/04/24 13:44	11/05/24 12:43	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Sample: BR-08-24-Q4 **Lab ID: 92760477003** Collected: 10/28/24 12:15 Received: 10/29/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	**0.071**	ug/L	0.025	0.0043	1		10/29/24 12:05	18540-29-9	
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony, Dissolved	ND	ug/L	1.0	0.10	1	10/30/24 17:50	11/07/24 21:42	7440-36-0	
Arsenic, Dissolved	ND	ug/L	1.0	0.17	1	10/30/24 17:50	11/07/24 21:42	7440-38-2	
Boron, Dissolved	**16.6J**	ug/L	50.0	7.5	1	10/30/24 17:50	11/08/24 14:31	7440-42-8	
Cadmium, Dissolved	ND	ug/L	0.10	0.037	1	10/30/24 17:50	11/07/24 21:42	7440-43-9	
Calcium, Dissolved	**21.9**	mg/L	0.60	0.19	3	10/30/24 17:50	11/08/24 14:35	7440-70-2	M1
Chromium, Dissolved	ND	ug/L	1.0	0.39	1	10/30/24 17:50	11/07/24 21:42	7440-47-3	
Cobalt, Dissolved	**0.19J**	ug/L	1.0	0.14	1	10/30/24 17:50	11/07/24 21:42	7440-48-4	
Copper, Dissolved	ND	ug/L	2.0	0.55	1	10/30/24 17:50	11/07/24 21:42	7440-50-8	
Hardness, Total(SM 2340B), Dissolved	**73.0**	mg/L	2.7	1.6	3	10/30/24 17:50	11/08/24 14:35		
Lead, Dissolved	ND	ug/L	1.0	0.18	1	10/30/24 17:50	11/07/24 21:42	7439-92-1	
Lithium, Dissolved	**1.4J**	ug/L	2.5	0.33	1	10/30/24 17:50	11/07/24 21:42	7439-93-2	
Magnesium, Dissolved	**4.4**	mg/L	0.10	0.0042	1	10/30/24 17:50	11/07/24 21:42	7439-95-4	
Molybdenum, Dissolved	**0.42J**	ug/L	1.0	0.075	1	10/30/24 17:50	11/07/24 21:42	7439-98-7	
Nickel, Dissolved	**0.84J**	ug/L	1.0	0.26	1	10/30/24 17:50	11/07/24 21:42	7440-02-0	
Selenium, Dissolved	ND	ug/L	2.0	0.22	1	10/30/24 17:50	11/07/24 21:42	7782-49-2	
Silver, Dissolved	ND	ug/L	0.40	0.046	1	10/30/24 17:50	11/07/24 21:42	7440-22-4	
Thallium, Dissolved	ND	ug/L	0.20	0.028	1	10/30/24 17:50	11/07/24 21:42	7440-28-0	
Zinc, Dissolved	**2.4J**	ug/L	10.0	0.93	1	10/30/24 17:50	11/07/24 21:42	7440-66-6	
Trivalent Chromium Cal, Diss	Analytical Method: Trivalent Chromium Calculation Pace Analytical Services - Asheville								
Chromium, Trivalent, Dissolved	ND	ug/L	10.0	10.0	1		11/11/24 16:00	16065-83-1	N2
7470 Mercury, Dissolved	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury, Dissolved	ND	ug/L	0.20	0.12	1	11/04/24 13:44	11/05/24 12:44	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Sample: BR-07-24-Q4 **Lab ID: 92760477004** Collected: 10/28/24 12:40 Received: 10/29/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	**0.088**	ug/L	0.025	0.0043	1		10/29/24 12:33	18540-29-9	
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony, Dissolved	ND	ug/L	1.0	0.10	1	10/30/24 17:50	11/07/24 22:08	7440-36-0	
Arsenic, Dissolved	ND	ug/L	1.0	0.17	1	10/30/24 17:50	11/07/24 22:08	7440-38-2	
Boron, Dissolved	**19.3J**	ug/L	50.0	7.5	1	10/30/24 17:50	11/07/24 22:08	7440-42-8	
Cadmium, Dissolved	ND	ug/L	0.10	0.037	1	10/30/24 17:50	11/07/24 22:08	7440-43-9	
Calcium, Dissolved	**20.2**	mg/L	0.60	0.19	3	10/30/24 17:50	11/08/24 15:17	7440-70-2	
Chromium, Dissolved	ND	ug/L	1.0	0.39	1	10/30/24 17:50	11/07/24 22:08	7440-47-3	
Cobalt, Dissolved	**0.20J**	ug/L	1.0	0.14	1	10/30/24 17:50	11/07/24 22:08	7440-48-4	
Copper, Dissolved	ND	ug/L	2.0	0.55	1	10/30/24 17:50	11/07/24 22:08	7440-50-8	
Hardness, Total(SM 2340B), Dissolved	**68.9**	mg/L	2.7	1.6	3	10/30/24 17:50	11/08/24 15:17		
Lead, Dissolved	ND	ug/L	1.0	0.18	1	10/30/24 17:50	11/07/24 22:08	7439-92-1	
Lithium, Dissolved	**1.5J**	ug/L	2.5	0.33	1	10/30/24 17:50	11/07/24 22:08	7439-93-2	
Magnesium, Dissolved	**4.5**	mg/L	0.10	0.0042	1	10/30/24 17:50	11/07/24 22:08	7439-95-4	
Molybdenum, Dissolved	**0.43J**	ug/L	1.0	0.075	1	10/30/24 17:50	11/07/24 22:08	7439-98-7	
Nickel, Dissolved	**0.85J**	ug/L	1.0	0.26	1	10/30/24 17:50	11/07/24 22:08	7440-02-0	
Selenium, Dissolved	ND	ug/L	2.0	0.22	1	10/30/24 17:50	11/07/24 22:08	7782-49-2	
Silver, Dissolved	ND	ug/L	0.40	0.046	1	10/30/24 17:50	11/07/24 22:08	7440-22-4	
Thallium, Dissolved	ND	ug/L	0.20	0.028	1	10/30/24 17:50	11/07/24 22:08	7440-28-0	
Zinc, Dissolved	**2.6J**	ug/L	10.0	0.93	1	10/30/24 17:50	11/07/24 22:08	7440-66-6	
Trivalent Chromium Cal, Diss	Analytical Method: Trivalent Chromium Calculation Pace Analytical Services - Asheville								
Chromium, Trivalent, Dissolved	ND	ug/L	10.0	10.0	1		11/11/24 16:00	16065-83-1	N2
7470 Mercury, Dissolved	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury, Dissolved	ND	ug/L	0.20	0.12	1	11/04/24 13:44	11/05/24 12:49	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Sample: BR-07-24-Q4-FD **Lab ID: 92760477005** Collected: 10/28/24 12:40 Received: 10/29/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	**0.10**	ug/L	0.025	0.0043	1		10/29/24 12:23	18540-29-9	
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony, Dissolved	ND	ug/L	1.0	0.10	1	10/30/24 17:50	11/07/24 22:12	7440-36-0	
Arsenic, Dissolved	ND	ug/L	1.0	0.17	1	10/30/24 17:50	11/07/24 22:12	7440-38-2	
Boron, Dissolved	**19.0J**	ug/L	50.0	7.5	1	10/30/24 17:50	11/07/24 22:12	7440-42-8	
Cadmium, Dissolved	ND	ug/L	0.10	0.037	1	10/30/24 17:50	11/07/24 22:12	7440-43-9	
Calcium, Dissolved	**20.6**	mg/L	0.60	0.19	3	10/30/24 17:50	11/08/24 15:21	7440-70-2	
Chromium, Dissolved	ND	ug/L	1.0	0.39	1	10/30/24 17:50	11/07/24 22:12	7440-47-3	
Cobalt, Dissolved	**0.20J**	ug/L	1.0	0.14	1	10/30/24 17:50	11/07/24 22:12	7440-48-4	
Copper, Dissolved	**0.56J**	ug/L	2.0	0.55	1	10/30/24 17:50	11/07/24 22:12	7440-50-8	
Hardness, Total(SM 2340B), Dissolved	**69.7**	mg/L	2.7	1.6	3	10/30/24 17:50	11/08/24 15:21		
Lead, Dissolved	ND	ug/L	1.0	0.18	1	10/30/24 17:50	11/07/24 22:12	7439-92-1	
Lithium, Dissolved	**1.4J**	ug/L	2.5	0.33	1	10/30/24 17:50	11/07/24 22:12	7439-93-2	
Magnesium, Dissolved	**4.4**	mg/L	0.10	0.0042	1	10/30/24 17:50	11/07/24 22:12	7439-95-4	
Molybdenum, Dissolved	**0.41J**	ug/L	1.0	0.075	1	10/30/24 17:50	11/07/24 22:12	7439-98-7	
Nickel, Dissolved	**0.81J**	ug/L	1.0	0.26	1	10/30/24 17:50	11/07/24 22:12	7440-02-0	
Selenium, Dissolved	ND	ug/L	2.0	0.22	1	10/30/24 17:50	11/07/24 22:12	7782-49-2	
Silver, Dissolved	ND	ug/L	0.40	0.046	1	10/30/24 17:50	11/07/24 22:12	7440-22-4	
Thallium, Dissolved	ND	ug/L	0.20	0.028	1	10/30/24 17:50	11/07/24 22:12	7440-28-0	
Zinc, Dissolved	**2.4J**	ug/L	10.0	0.93	1	10/30/24 17:50	11/07/24 22:12	7440-66-6	
Trivalent Chromium Cal, Diss	Analytical Method: Trivalent Chromium Calculation Pace Analytical Services - Asheville								
Chromium, Trivalent, Dissolved	ND	ug/L	10.0	10.0	1		11/11/24 16:00	16065-83-1	N2
7470 Mercury, Dissolved	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury, Dissolved	ND	ug/L	0.20	0.12	1	11/04/24 13:44	11/05/24 12:51	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Sample: BR-06-24-Q4 **Lab ID: 92760477006** Collected: 10/28/24 13:10 Received: 10/29/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	**0.082**	ug/L	0.025	0.0043	1		10/29/24 12:56	18540-29-9	
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony, Dissolved	ND	ug/L	1.0	0.10	1	10/30/24 17:50	11/07/24 22:16	7440-36-0	
Arsenic, Dissolved	ND	ug/L	1.0	0.17	1	10/30/24 17:50	11/07/24 22:16	7440-38-2	
Boron, Dissolved	**19.2J**	ug/L	50.0	7.5	1	10/30/24 17:50	11/07/24 22:16	7440-42-8	
Cadmium, Dissolved	ND	ug/L	0.10	0.037	1	10/30/24 17:50	11/07/24 22:16	7440-43-9	
Calcium, Dissolved	**20.8**	mg/L	0.60	0.19	3	10/30/24 17:50	11/08/24 15:25	7440-70-2	
Chromium, Dissolved	ND	ug/L	1.0	0.39	1	10/30/24 17:50	11/07/24 22:16	7440-47-3	
Cobalt, Dissolved	**0.20J**	ug/L	1.0	0.14	1	10/30/24 17:50	11/07/24 22:16	7440-48-4	
Copper, Dissolved	**0.92J**	ug/L	2.0	0.55	1	10/30/24 17:50	11/07/24 22:16	7440-50-8	
Hardness, Total(SM 2340B), Dissolved	**70.4**	mg/L	2.7	1.6	3	10/30/24 17:50	11/08/24 15:25		
Lead, Dissolved	ND	ug/L	1.0	0.18	1	10/30/24 17:50	11/07/24 22:16	7439-92-1	
Lithium, Dissolved	**1.4J**	ug/L	2.5	0.33	1	10/30/24 17:50	11/07/24 22:16	7439-93-2	
Magnesium, Dissolved	**4.5**	mg/L	0.10	0.0042	1	10/30/24 17:50	11/07/24 22:16	7439-95-4	
Molybdenum, Dissolved	**0.43J**	ug/L	1.0	0.075	1	10/30/24 17:50	11/07/24 22:16	7439-98-7	
Nickel, Dissolved	**0.88J**	ug/L	1.0	0.26	1	10/30/24 17:50	11/07/24 22:16	7440-02-0	
Selenium, Dissolved	ND	ug/L	2.0	0.22	1	10/30/24 17:50	11/07/24 22:16	7782-49-2	
Silver, Dissolved	ND	ug/L	0.40	0.046	1	10/30/24 17:50	11/07/24 22:16	7440-22-4	
Thallium, Dissolved	ND	ug/L	0.20	0.028	1	10/30/24 17:50	11/07/24 22:16	7440-28-0	
Zinc, Dissolved	**2.4J**	ug/L	10.0	0.93	1	10/30/24 17:50	11/07/24 22:16	7440-66-6	
Trivalent Chromium Cal, Diss	Analytical Method: Trivalent Chromium Calculation Pace Analytical Services - Asheville								
Chromium, Trivalent, Dissolved	ND	ug/L	10.0	10.0	1		11/11/24 16:00	16065-83-1	N2
7470 Mercury, Dissolved	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury, Dissolved	ND	ug/L	0.20	0.12	1	11/04/24 13:44	11/05/24 12:53	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Sample: BR-05-24-Q4 **Lab ID: 92760477007** Collected: 10/28/24 13:30 Received: 10/29/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	**0.098**	ug/L	0.025	0.0043	1		10/29/24 13:07	18540-29-9	
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony, Dissolved	ND	ug/L	1.0	0.10	1	10/30/24 17:50	11/07/24 22:19	7440-36-0	
Arsenic, Dissolved	ND	ug/L	1.0	0.17	1	10/30/24 17:50	11/07/24 22:19	7440-38-2	
Boron, Dissolved	**18.4J**	ug/L	50.0	7.5	1	10/30/24 17:50	11/07/24 22:19	7440-42-8	
Cadmium, Dissolved	ND	ug/L	0.10	0.037	1	10/30/24 17:50	11/07/24 22:19	7440-43-9	
Calcium, Dissolved	**20.3**	mg/L	0.60	0.19	3	10/30/24 17:50	11/08/24 15:28	7440-70-2	
Chromium, Dissolved	ND	ug/L	1.0	0.39	1	10/30/24 17:50	11/07/24 22:19	7440-47-3	
Cobalt, Dissolved	**0.32J**	ug/L	1.0	0.14	1	10/30/24 17:50	11/07/24 22:19	7440-48-4	
Copper, Dissolved	**0.78J**	ug/L	2.0	0.55	1	10/30/24 17:50	11/07/24 22:19	7440-50-8	
Hardness, Total(SM 2340B), Dissolved	**68.6**	mg/L	2.7	1.6	3	10/30/24 17:50	11/08/24 15:28		
Lead, Dissolved	ND	ug/L	1.0	0.18	1	10/30/24 17:50	11/07/24 22:19	7439-92-1	
Lithium, Dissolved	**1.4J**	ug/L	2.5	0.33	1	10/30/24 17:50	11/07/24 22:19	7439-93-2	
Magnesium, Dissolved	**4.4**	mg/L	0.10	0.0042	1	10/30/24 17:50	11/07/24 22:19	7439-95-4	
Molybdenum, Dissolved	**0.56J**	ug/L	1.0	0.075	1	10/30/24 17:50	11/07/24 22:19	7439-98-7	
Nickel, Dissolved	**1.0**	ug/L	1.0	0.26	1	10/30/24 17:50	11/07/24 22:19	7440-02-0	
Selenium, Dissolved	ND	ug/L	2.0	0.22	1	10/30/24 17:50	11/07/24 22:19	7782-49-2	
Silver, Dissolved	ND	ug/L	0.40	0.046	1	10/30/24 17:50	11/07/24 22:19	7440-22-4	
Thallium, Dissolved	ND	ug/L	0.20	0.028	1	10/30/24 17:50	11/07/24 22:19	7440-28-0	
Zinc, Dissolved	**2.6J**	ug/L	10.0	0.93	1	10/30/24 17:50	11/07/24 22:19	7440-66-6	
Trivalent Chromium Cal, Diss	Analytical Method: Trivalent Chromium Calculation Pace Analytical Services - Asheville								
Chromium, Trivalent, Dissolved	ND	ug/L	10.0	10.0	1		11/11/24 16:00	16065-83-1	N2
7470 Mercury, Dissolved	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury, Dissolved	ND	ug/L	0.20	0.12	1	11/04/24 13:44	11/05/24 12:55	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Sample: BR-04-24-Q4 **Lab ID: 92760477008** Collected: 10/28/24 13:50 Received: 10/29/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	**0.077**	ug/L	0.025	0.0043	1		10/29/24 13:17	18540-29-9	
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony, Dissolved	ND	ug/L	1.0	0.10	1	10/30/24 17:50	11/07/24 22:23	7440-36-0	
Arsenic, Dissolved	ND	ug/L	1.0	0.17	1	10/30/24 17:50	11/07/24 22:23	7440-38-2	
Boron, Dissolved	**18.5J**	ug/L	50.0	7.5	1	10/30/24 17:50	11/07/24 22:23	7440-42-8	
Cadmium, Dissolved	ND	ug/L	0.10	0.037	1	10/30/24 17:50	11/07/24 22:23	7440-43-9	
Calcium, Dissolved	**20.9**	mg/L	0.60	0.19	3	10/30/24 17:50	11/08/24 15:32	7440-70-2	
Chromium, Dissolved	ND	ug/L	1.0	0.39	1	10/30/24 17:50	11/07/24 22:23	7440-47-3	
Cobalt, Dissolved	**0.19J**	ug/L	1.0	0.14	1	10/30/24 17:50	11/07/24 22:23	7440-48-4	
Copper, Dissolved	**0.59J**	ug/L	2.0	0.55	1	10/30/24 17:50	11/07/24 22:23	7440-50-8	
Hardness, Total(SM 2340B), Dissolved	**70.3**	mg/L	2.7	1.6	3	10/30/24 17:50	11/08/24 15:32		
Lead, Dissolved	ND	ug/L	1.0	0.18	1	10/30/24 17:50	11/07/24 22:23	7439-92-1	
Lithium, Dissolved	**1.4J**	ug/L	2.5	0.33	1	10/30/24 17:50	11/07/24 22:23	7439-93-2	
Magnesium, Dissolved	**4.4**	mg/L	0.10	0.0042	1	10/30/24 17:50	11/07/24 22:23	7439-95-4	
Molybdenum, Dissolved	**0.43J**	ug/L	1.0	0.075	1	10/30/24 17:50	11/07/24 22:23	7439-98-7	
Nickel, Dissolved	**0.84J**	ug/L	1.0	0.26	1	10/30/24 17:50	11/07/24 22:23	7440-02-0	
Selenium, Dissolved	ND	ug/L	2.0	0.22	1	10/30/24 17:50	11/07/24 22:23	7782-49-2	
Silver, Dissolved	ND	ug/L	0.40	0.046	1	10/30/24 17:50	11/07/24 22:23	7440-22-4	
Thallium, Dissolved	ND	ug/L	0.20	0.028	1	10/30/24 17:50	11/07/24 22:23	7440-28-0	
Zinc, Dissolved	**2.8J**	ug/L	10.0	0.93	1	10/30/24 17:50	11/07/24 22:23	7440-66-6	
Trivalent Chromium Cal, Diss	Analytical Method: Trivalent Chromium Calculation Pace Analytical Services - Asheville								
Chromium, Trivalent, Dissolved	ND	ug/L	10.0	10.0	1		11/11/24 16:00	16065-83-1	N2
7470 Mercury, Dissolved	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury, Dissolved	ND	ug/L	0.20	0.12	1	11/04/24 13:44	11/05/24 13:00	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Sample: BR-03-24-Q4 **Lab ID: 92760477009** Collected: 10/28/24 14:10 Received: 10/29/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	**0.095**	ug/L	0.025	0.0043	1		10/29/24 14:18	18540-29-9	H1
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony, Dissolved	ND	ug/L	1.0	0.10	1	10/30/24 17:50	11/07/24 22:27	7440-36-0	
Arsenic, Dissolved	ND	ug/L	1.0	0.17	1	10/30/24 17:50	11/07/24 22:27	7440-38-2	
Boron, Dissolved	**18.3J**	ug/L	50.0	7.5	1	10/30/24 17:50	11/07/24 22:27	7440-42-8	
Cadmium, Dissolved	ND	ug/L	0.10	0.037	1	10/30/24 17:50	11/07/24 22:27	7440-43-9	
Calcium, Dissolved	**19.8**	mg/L	0.60	0.19	3	10/30/24 17:50	11/08/24 15:36	7440-70-2	
Chromium, Dissolved	ND	ug/L	1.0	0.39	1	10/30/24 17:50	11/07/24 22:27	7440-47-3	
Cobalt, Dissolved	**0.19J**	ug/L	1.0	0.14	1	10/30/24 17:50	11/07/24 22:27	7440-48-4	
Copper, Dissolved	**0.56J**	ug/L	2.0	0.55	1	10/30/24 17:50	11/07/24 22:27	7440-50-8	
Hardness, Total(SM 2340B), Dissolved	**67.4**	mg/L	2.7	1.6	3	10/30/24 17:50	11/08/24 15:36		
Lead, Dissolved	ND	ug/L	1.0	0.18	1	10/30/24 17:50	11/07/24 22:27	7439-92-1	
Lithium, Dissolved	**1.4J**	ug/L	2.5	0.33	1	10/30/24 17:50	11/07/24 22:27	7439-93-2	
Magnesium, Dissolved	**4.4**	mg/L	0.10	0.0042	1	10/30/24 17:50	11/07/24 22:27	7439-95-4	
Molybdenum, Dissolved	**0.42J**	ug/L	1.0	0.075	1	10/30/24 17:50	11/07/24 22:27	7439-98-7	
Nickel, Dissolved	**0.82J**	ug/L	1.0	0.26	1	10/30/24 17:50	11/07/24 22:27	7440-02-0	
Selenium, Dissolved	ND	ug/L	2.0	0.22	1	10/30/24 17:50	11/07/24 22:27	7782-49-2	
Silver, Dissolved	ND	ug/L	0.40	0.046	1	10/30/24 17:50	11/07/24 22:27	7440-22-4	
Thallium, Dissolved	ND	ug/L	0.20	0.028	1	10/30/24 17:50	11/07/24 22:27	7440-28-0	
Zinc, Dissolved	**2.4J**	ug/L	10.0	0.93	1	10/30/24 17:50	11/07/24 22:27	7440-66-6	
Trivalent Chromium Cal, Diss	Analytical Method: Trivalent Chromium Calculation Pace Analytical Services - Asheville								
Chromium, Trivalent, Dissolved	ND	ug/L	10.0	10.0	1		11/11/24 16:00	16065-83-1	N2
7470 Mercury, Dissolved	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury, Dissolved	ND	ug/L	0.20	0.12	1	11/04/24 13:44	11/05/24 13:01	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Sample: BR-02-24-Q4 **Lab ID: 92760477010** Collected: 10/28/24 14:25 Received: 10/29/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	**0.086**	ug/L	0.025	0.0043	1		10/29/24 13:52	18540-29-9	
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony, Dissolved	ND	ug/L	1.0	0.10	1	10/30/24 17:50	11/07/24 22:31	7440-36-0	
Arsenic, Dissolved	ND	ug/L	1.0	0.17	1	10/30/24 17:50	11/07/24 22:31	7440-38-2	
Boron, Dissolved	**18.3J**	ug/L	50.0	7.5	1	10/30/24 17:50	11/07/24 22:31	7440-42-8	
Cadmium, Dissolved	ND	ug/L	0.10	0.037	1	10/30/24 17:50	11/07/24 22:31	7440-43-9	
Calcium, Dissolved	**20.1**	mg/L	0.60	0.19	3	10/30/24 17:50	11/08/24 15:40	7440-70-2	
Chromium, Dissolved	ND	ug/L	1.0	0.39	1	10/30/24 17:50	11/07/24 22:31	7440-47-3	
Cobalt, Dissolved	**0.28J**	ug/L	1.0	0.14	1	10/30/24 17:50	11/07/24 22:31	7440-48-4	
Copper, Dissolved	**0.82J**	ug/L	2.0	0.55	1	10/30/24 17:50	11/07/24 22:31	7440-50-8	
Hardness, Total(SM 2340B), Dissolved	**68.2**	mg/L	2.7	1.6	3	10/30/24 17:50	11/08/24 15:40		
Lead, Dissolved	ND	ug/L	1.0	0.18	1	10/30/24 17:50	11/07/24 22:31	7439-92-1	
Lithium, Dissolved	**1.4J**	ug/L	2.5	0.33	1	10/30/24 17:50	11/07/24 22:31	7439-93-2	
Magnesium, Dissolved	**4.4**	mg/L	0.10	0.0042	1	10/30/24 17:50	11/07/24 22:31	7439-95-4	
Molybdenum, Dissolved	**0.43J**	ug/L	1.0	0.075	1	10/30/24 17:50	11/07/24 22:31	7439-98-7	
Nickel, Dissolved	**0.96J**	ug/L	1.0	0.26	1	10/30/24 17:50	11/07/24 22:31	7440-02-0	
Selenium, Dissolved	ND	ug/L	2.0	0.22	1	10/30/24 17:50	11/07/24 22:31	7782-49-2	
Silver, Dissolved	ND	ug/L	0.40	0.046	1	10/30/24 17:50	11/07/24 22:31	7440-22-4	
Thallium, Dissolved	ND	ug/L	0.20	0.028	1	10/30/24 17:50	11/07/24 22:31	7440-28-0	
Zinc, Dissolved	**2.2J**	ug/L	10.0	0.93	1	10/30/24 17:50	11/07/24 22:31	7440-66-6	
Trivalent Chromium Cal, Diss	Analytical Method: Trivalent Chromium Calculation Pace Analytical Services - Asheville								
Chromium, Trivalent, Dissolved	ND	ug/L	10.0	10.0	1		11/11/24 16:00	16065-83-1	N2
7470 Mercury, Dissolved	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury, Dissolved	ND	ug/L	0.20	0.12	1	11/04/24 13:44	11/05/24 13:03	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Sample: BR-01-24-Q4 **Lab ID: 92760477011** Collected: 10/28/24 14:40 Received: 10/29/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	**0.075**	ug/L	0.025	0.0043	1		10/29/24 14:10	18540-29-9	
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony, Dissolved	ND	ug/L	1.0	0.10	1	10/30/24 17:50	11/07/24 22:35	7440-36-0	
Arsenic, Dissolved	ND	ug/L	1.0	0.17	1	10/30/24 17:50	11/07/24 22:35	7440-38-2	
Boron, Dissolved	**18.5J**	ug/L	50.0	7.5	1	10/30/24 17:50	11/07/24 22:35	7440-42-8	
Cadmium, Dissolved	ND	ug/L	0.10	0.037	1	10/30/24 17:50	11/07/24 22:35	7440-43-9	
Calcium, Dissolved	**20.0**	mg/L	0.60	0.19	3	10/30/24 17:50	11/08/24 15:51	7440-70-2	
Chromium, Dissolved	ND	ug/L	1.0	0.39	1	10/30/24 17:50	11/07/24 22:35	7440-47-3	
Cobalt, Dissolved	**0.23J**	ug/L	1.0	0.14	1	10/30/24 17:50	11/07/24 22:35	7440-48-4	
Copper, Dissolved	**0.82J**	ug/L	2.0	0.55	1	10/30/24 17:50	11/07/24 22:35	7440-50-8	
Hardness, Total(SM 2340B), Dissolved	**67.7**	mg/L	2.7	1.6	3	10/30/24 17:50	11/08/24 15:51		
Lead, Dissolved	ND	ug/L	1.0	0.18	1	10/30/24 17:50	11/07/24 22:35	7439-92-1	
Lithium, Dissolved	**1.4J**	ug/L	2.5	0.33	1	10/30/24 17:50	11/07/24 22:35	7439-93-2	
Magnesium, Dissolved	**4.3**	mg/L	0.10	0.0042	1	10/30/24 17:50	11/07/24 22:35	7439-95-4	
Molybdenum, Dissolved	**0.42J**	ug/L	1.0	0.075	1	10/30/24 17:50	11/07/24 22:35	7439-98-7	
Nickel, Dissolved	**0.87J**	ug/L	1.0	0.26	1	10/30/24 17:50	11/07/24 22:35	7440-02-0	
Selenium, Dissolved	ND	ug/L	2.0	0.22	1	10/30/24 17:50	11/07/24 22:35	7782-49-2	
Silver, Dissolved	ND	ug/L	0.40	0.046	1	10/30/24 17:50	11/07/24 22:35	7440-22-4	
Thallium, Dissolved	ND	ug/L	0.20	0.028	1	10/30/24 17:50	11/07/24 22:35	7440-28-0	
Zinc, Dissolved	**2.4J**	ug/L	10.0	0.93	1	10/30/24 17:50	11/07/24 22:35	7440-66-6	
Trivalent Chromium Cal, Diss	Analytical Method: Trivalent Chromium Calculation Pace Analytical Services - Asheville								
Chromium, Trivalent, Dissolved	ND	ug/L	10.0	10.0	1		11/11/24 16:00	16065-83-1	N2
7470 Mercury, Dissolved	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury, Dissolved	ND	ug/L	0.20	0.12	1	11/04/24 13:44	11/05/24 13:05	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Sample: JR-02-24-Q4 **Lab ID: 92760477012** Collected: 10/28/24 15:00 Received: 10/29/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	**0.085**	ug/L	0.025	0.0043	1		10/29/24 14:28	18540-29-9	
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony, Dissolved	ND	ug/L	1.0	0.10	1	10/30/24 17:50	11/07/24 22:38	7440-36-0	
Arsenic, Dissolved	ND	ug/L	1.0	0.17	1	10/30/24 17:50	11/07/24 22:38	7440-38-2	
Boron, Dissolved	**17.6J**	ug/L	50.0	7.5	1	10/30/24 17:50	11/07/24 22:38	7440-42-8	
Cadmium, Dissolved	ND	ug/L	0.10	0.037	1	10/30/24 17:50	11/07/24 22:38	7440-43-9	
Calcium, Dissolved	**19.7**	mg/L	0.20	0.063	1	10/30/24 17:50	11/07/24 22:38	7440-70-2	
Chromium, Dissolved	ND	ug/L	1.0	0.39	1	10/30/24 17:50	11/07/24 22:38	7440-47-3	
Cobalt, Dissolved	**0.19J**	ug/L	1.0	0.14	1	10/30/24 17:50	11/07/24 22:38	7440-48-4	
Copper, Dissolved	**0.56J**	ug/L	2.0	0.55	1	10/30/24 17:50	11/07/24 22:38	7440-50-8	
Hardness, Total(SM 2340B), Dissolved	**66.8**	mg/L	0.91	0.54	1	10/30/24 17:50	11/07/24 22:38		
Lead, Dissolved	ND	ug/L	1.0	0.18	1	10/30/24 17:50	11/07/24 22:38	7439-92-1	
Lithium, Dissolved	**1.4J**	ug/L	2.5	0.33	1	10/30/24 17:50	11/07/24 22:38	7439-93-2	
Magnesium, Dissolved	**4.3**	mg/L	0.10	0.0042	1	10/30/24 17:50	11/07/24 22:38	7439-95-4	
Molybdenum, Dissolved	**0.40J**	ug/L	1.0	0.075	1	10/30/24 17:50	11/07/24 22:38	7439-98-7	
Nickel, Dissolved	**0.80J**	ug/L	1.0	0.26	1	10/30/24 17:50	11/07/24 22:38	7440-02-0	
Selenium, Dissolved	ND	ug/L	2.0	0.22	1	10/30/24 17:50	11/07/24 22:38	7782-49-2	
Silver, Dissolved	ND	ug/L	0.40	0.046	1	10/30/24 17:50	11/07/24 22:38	7440-22-4	
Thallium, Dissolved	ND	ug/L	0.20	0.028	1	10/30/24 17:50	11/07/24 22:38	7440-28-0	
Zinc, Dissolved	**2.4J**	ug/L	10.0	0.93	1	10/30/24 17:50	11/07/24 22:38	7440-66-6	
Trivalent Chromium Cal, Diss	Analytical Method: Trivalent Chromium Calculation Pace Analytical Services - Asheville								
Chromium, Trivalent, Dissolved	ND	ug/L	10.0	10.0	1		11/11/24 16:00	16065-83-1	N2
7470 Mercury, Dissolved	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury, Dissolved	ND	ug/L	0.20	0.12	1	11/04/24 13:44	11/05/24 13:06	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Sample: JR-01-24-Q4 **Lab ID: 92760477013** Collected: 10/28/24 15:20 Received: 10/29/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7199 Chromium, Hexavalent	Analytical Method: EPA 7199 Pace Analytical Services - Charlotte								
Chromium, Hexavalent	**0.081**	ug/L	0.025	0.0043	1		10/29/24 17:07	18540-29-9	H1
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Antimony, Dissolved	ND	ug/L	1.0	0.10	1	10/30/24 17:50	11/07/24 22:42	7440-36-0	
Arsenic, Dissolved	ND	ug/L	1.0	0.17	1	10/30/24 17:50	11/07/24 22:42	7440-38-2	
Boron, Dissolved	**18.0J**	ug/L	50.0	7.5	1	10/30/24 17:50	11/07/24 22:42	7440-42-8	
Cadmium, Dissolved	ND	ug/L	0.10	0.037	1	10/30/24 17:50	11/07/24 22:42	7440-43-9	
Calcium, Dissolved	**19.9**	mg/L	0.20	0.063	1	10/30/24 17:50	11/07/24 22:42	7440-70-2	
Chromium, Dissolved	ND	ug/L	1.0	0.39	1	10/30/24 17:50	11/07/24 22:42	7440-47-3	
Cobalt, Dissolved	**0.18J**	ug/L	1.0	0.14	1	10/30/24 17:50	11/07/24 22:42	7440-48-4	
Copper, Dissolved	ND	ug/L	2.0	0.55	1	10/30/24 17:50	11/07/24 22:42	7440-50-8	
Hardness, Total(SM 2340B), Dissolved	**67.6**	mg/L	0.91	0.54	1	10/30/24 17:50	11/07/24 22:42		
Lead, Dissolved	ND	ug/L	1.0	0.18	1	10/30/24 17:50	11/07/24 22:42	7439-92-1	
Lithium, Dissolved	**1.3J**	ug/L	2.5	0.33	1	10/30/24 17:50	11/07/24 22:42	7439-93-2	
Magnesium, Dissolved	**4.3**	mg/L	0.10	0.0042	1	10/30/24 17:50	11/07/24 22:42	7439-95-4	
Molybdenum, Dissolved	**0.42J**	ug/L	1.0	0.075	1	10/30/24 17:50	11/07/24 22:42	7439-98-7	
Nickel, Dissolved	**0.80J**	ug/L	1.0	0.26	1	10/30/24 17:50	11/07/24 22:42	7440-02-0	
Selenium, Dissolved	ND	ug/L	2.0	0.22	1	10/30/24 17:50	11/07/24 22:42	7782-49-2	
Silver, Dissolved	ND	ug/L	0.40	0.046	1	10/30/24 17:50	11/07/24 22:42	7440-22-4	
Thallium, Dissolved	ND	ug/L	0.20	0.028	1	10/30/24 17:50	11/07/24 22:42	7440-28-0	
Zinc, Dissolved	**2.4J**	ug/L	10.0	0.93	1	10/30/24 17:50	11/07/24 22:42	7440-66-6	
Trivalent Chromium Cal, Diss	Analytical Method: Trivalent Chromium Calculation Pace Analytical Services - Asheville								
Chromium, Trivalent, Dissolved	ND	ug/L	10.0	10.0	1		11/11/24 16:00	16065-83-1	N2
7470 Mercury, Dissolved	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury, Dissolved	ND	ug/L	0.20	0.12	1	11/04/24 13:44	11/05/24 13:08	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

QC Batch: 891994
QC Batch Method: EPA 7199
Analysis Method: EPA 7199
Analysis Description: 7199 Chromium, Hexavalent
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92760477001, 92760477002, 92760477003, 92760477004, 92760477005, 92760477006, 92760477007, 92760477008, 92760477009, 92760477010, 92760477011, 92760477012, 92760477013

METHOD BLANK: 4592043 Matrix: Water
Associated Lab Samples: 92760477001, 92760477002, 92760477003, 92760477004, 92760477005, 92760477006, 92760477007, 92760477008, 92760477009, 92760477010, 92760477011, 92760477012, 92760477013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chromium, Hexavalent	ug/L	ND	0.025	0.0043	10/29/24 09:44	

LABORATORY CONTROL SAMPLE: 4592044

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	ug/L	0.1	0.10	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4592046 4592047

Parameter	Units	92760477003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	ug/L	0.071	0.1	0.1	0.18	0.18	107	109	90-110	1	20	H1

SAMPLE DUPLICATE: 4596659

Parameter	Units	92760477004 Result	Dup Result	RPD	Max RPD	Qualifiers
Chromium, Hexavalent	ug/L	0.088	0.082	7	20	H1

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

QC Batch: 893328
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92760477001

METHOD BLANK: 4598976 Matrix: Water
Associated Lab Samples: 92760477001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.12	11/05/24 11:20	

LABORATORY CONTROL SAMPLE: 4598977

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.4	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4598978 4598979

Parameter	Units	92760949005 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	97	75-125	4	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

QC Batch: 892777
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury Dissolved
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92760477002, 92760477003, 92760477004, 92760477005, 92760477006, 92760477007, 92760477008, 92760477009, 92760477010, 92760477011, 92760477012, 92760477013

METHOD BLANK: 4595874 Matrix: Water
Associated Lab Samples: 92760477002, 92760477003, 92760477004, 92760477005, 92760477006, 92760477007, 92760477008, 92760477009, 92760477010, 92760477011, 92760477012, 92760477013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	0.12	11/05/24 12:39	

LABORATORY CONTROL SAMPLE: 4595875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	2.5	2.4	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4595876 4595877

Parameter	Units	92760477003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	2.5	2.5	2.3	2.4	91	95	75-125	4	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

QC Batch: 892499
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92760477001

METHOD BLANK: 4594272 Matrix: Water
Associated Lab Samples: 92760477001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.10	11/07/24 06:03	
Arsenic	ug/L	ND	1.0	0.17	11/07/24 06:03	
Boron	ug/L	ND	50.0	7.5	11/07/24 06:03	
Cadmium	ug/L	ND	0.10	0.037	11/07/24 06:03	
Calcium	mg/L	ND	0.20	0.063	11/07/24 06:03	
Chromium	ug/L	ND	1.0	0.39	11/07/24 06:03	
Cobalt	ug/L	ND	1.0	0.14	11/07/24 06:03	
Copper	ug/L	ND	2.0	0.55	11/07/24 06:03	
Hardness, Total(SM 2340B)	mg/L	ND	0.91	0.54	11/07/24 06:03	
Lead	ug/L	ND	1.0	0.18	11/07/24 06:03	
Lithium	ug/L	ND	2.5	0.33	11/07/24 06:03	
Magnesium	mg/L	ND	0.10	0.0042	11/07/24 06:03	
Molybdenum	ug/L	0.095J	1.0	0.075	11/07/24 06:03	
Nickel	ug/L	ND	1.0	0.26	11/07/24 06:03	
Selenium	ug/L	ND	2.0	0.22	11/07/24 06:03	
Silver	ug/L	ND	0.40	0.046	11/07/24 06:03	
Thallium	ug/L	ND	0.20	0.028	11/07/24 06:03	
Zinc	ug/L	ND	10.0	0.93	11/07/24 06:03	

LABORATORY CONTROL SAMPLE: 4594273

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	53.4	107	80-120	
Arsenic	ug/L	50	52.5	105	80-120	
Boron	ug/L	50	52.8	106	80-120	
Cadmium	ug/L	50	53.5	107	80-120	
Calcium	mg/L	2.5	2.8	110	80-120	
Chromium	ug/L	50	52.6	105	80-120	
Cobalt	ug/L	50	54.1	108	80-120	
Copper	ug/L	50	52.6	105	80-120	
Hardness, Total(SM 2340B)	mg/L		18.0			
Lead	ug/L	50	54.0	108	80-120	
Lithium	ug/L	50	50.5	101	80-120	
Magnesium	mg/L	2.5	2.7	108	80-120	
Molybdenum	ug/L	50	52.3	105	80-120	
Nickel	ug/L	50	54.3	109	80-120	
Selenium	ug/L	50	51.5	103	80-120	
Silver	ug/L	25	26.3	105	80-120	
Thallium	ug/L	25	26.8	107	80-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

LABORATORY CONTROL SAMPLE: 4594273

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Zinc	ug/L	50	53.6	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4594274 4594275

Parameter	Units	92760477001 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	50	50	53.4	52.8	107	106	75-125	1	20	
Arsenic	ug/L	ND	50	50	52.6	52.2	105	104	75-125	1	20	
Boron	ug/L	ND	50	50	52.7	52.9	100	100	75-125	0	20	
Cadmium	ug/L	ND	50	50	53.8	53.3	108	107	75-125	1	20	
Calcium	mg/L	ND	2.5	2.5	2.8	2.7	110	107	75-125	3	20	
Chromium	ug/L	ND	50	50	53.6	52.6	107	104	75-125	2	20	
Cobalt	ug/L	ND	50	50	54.6	53.6	109	107	75-125	2	20	
Copper	ug/L	ND	50	50	53.3	52.2	106	104	75-125	2	20	
Hardness, Total(SM 2340B)	mg/L	ND			18.1	17.8				2	20	
Lead	ug/L	ND	50	50	54.7	54.3	109	109	75-125	1	20	
Lithium	ug/L	ND	50	50	51.3	50.3	103	101	75-125	2	20	
Magnesium	mg/L	ND	2.5	2.5	2.7	2.7	108	107	75-125	1	20	
Molybdenum	ug/L	ND	50	50	52.7	52.3	105	104	75-125	1	20	
Nickel	ug/L	ND	50	50	55.3	54.0	110	108	75-125	2	20	
Selenium	ug/L	ND	50	50	51.1	50.3	102	101	75-125	2	20	
Silver	ug/L	ND	25	25	26.9	26.6	107	106	75-125	1	20	
Thallium	ug/L	ND	25	25	27.6	26.5	111	106	75-125	4	20	
Zinc	ug/L	ND	50	50	53.8	53.5	106	106	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

QC Batch: 892380
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET Dissolved
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92760477002, 92760477003, 92760477004, 92760477005, 92760477006, 92760477007, 92760477008, 92760477009, 92760477010, 92760477011, 92760477012, 92760477013

METHOD BLANK: 4593494 Matrix: Water
Associated Lab Samples: 92760477002, 92760477003, 92760477004, 92760477005, 92760477006, 92760477007, 92760477008, 92760477009, 92760477010, 92760477011, 92760477012, 92760477013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony, Dissolved	ug/L	ND	1.0	0.10	11/07/24 21:30	
Arsenic, Dissolved	ug/L	ND	1.0	0.17	11/07/24 21:30	
Boron, Dissolved	ug/L	ND	50.0	7.5	11/08/24 14:20	
Cadmium, Dissolved	ug/L	ND	0.10	0.037	11/07/24 21:30	
Calcium, Dissolved	mg/L	ND	0.20	0.063	11/07/24 21:30	
Chromium, Dissolved	ug/L	ND	1.0	0.39	11/07/24 21:30	
Cobalt, Dissolved	ug/L	ND	1.0	0.14	11/07/24 21:30	
Copper, Dissolved	ug/L	ND	2.0	0.55	11/07/24 21:30	
Hardness, Total(SM 2340B), Dissolved	mg/L	ND	0.91	0.54	11/07/24 21:30	
Lead, Dissolved	ug/L	ND	1.0	0.18	11/07/24 21:30	
Lithium, Dissolved	ug/L	ND	2.5	0.33	11/07/24 21:30	
Magnesium, Dissolved	mg/L	ND	0.10	0.0042	11/07/24 21:30	
Molybdenum, Dissolved	ug/L	ND	1.0	0.075	11/07/24 21:30	
Nickel, Dissolved	ug/L	ND	1.0	0.26	11/07/24 21:30	
Selenium, Dissolved	ug/L	ND	2.0	0.22	11/07/24 21:30	
Silver, Dissolved	ug/L	ND	0.40	0.046	11/07/24 21:30	
Thallium, Dissolved	ug/L	ND	0.20	0.028	11/07/24 21:30	
Zinc, Dissolved	ug/L	ND	10.0	0.93	11/07/24 21:30	

LABORATORY CONTROL SAMPLE: 4593495

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony, Dissolved	ug/L	50	47.5	95	80-120	
Arsenic, Dissolved	ug/L	50	48.8	98	80-120	
Boron, Dissolved	ug/L	50	48.5J	97	80-120	
Cadmium, Dissolved	ug/L	50	47.6	95	80-120	
Calcium, Dissolved	mg/L	2.5	2.4	97	80-120	
Chromium, Dissolved	ug/L	50	45.9	92	80-120	
Cobalt, Dissolved	ug/L	50	45.3	91	80-120	
Copper, Dissolved	ug/L	50	46.1	92	80-120	
Hardness, Total(SM 2340B), Dissolved	mg/L		15.7			
Lead, Dissolved	ug/L	50	45.9	92	80-120	
Lithium, Dissolved	ug/L	50	47.4	95	80-120	
Magnesium, Dissolved	mg/L	2.5	2.3	94	80-120	
Molybdenum, Dissolved	ug/L	50	47.1	94	80-120	
Nickel, Dissolved	ug/L	50	46.6	93	80-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

QUALITY CONTROL DATA

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

LABORATORY CONTROL SAMPLE: 4593495

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Selenium, Dissolved	ug/L	50	51.2	102	80-120	
Silver, Dissolved	ug/L	25	24.2	97	80-120	
Thallium, Dissolved	ug/L	25	22.7	91	80-120	
Zinc, Dissolved	ug/L	50	49.0	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4594756 4594757

Parameter	Units	92760477003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony, Dissolved	ug/L	ND	50	50	46.2	47.1	92	94	75-125	2	20	
Arsenic, Dissolved	ug/L	ND	50	50	51.5	51.3	103	102	75-125	0	20	
Boron, Dissolved	ug/L	16.6J	50	50	68.2	68.0	103	103	75-125	0	20	
Cadmium, Dissolved	ug/L	ND	50	50	48.9	48.9	98	98	75-125	0	20	
Calcium, Dissolved	mg/L	21.9	2.5	2.5	22.0	22.2	3	10	75-125	1	20	M1
Chromium, Dissolved	ug/L	ND	50	50	48.8	48.5	97	96	75-125	1	20	
Cobalt, Dissolved	ug/L	0.19J	50	50	47.0	47.3	94	94	75-125	1	20	
Copper, Dissolved	ug/L	ND	50	50	48.0	48.3	95	96	75-125	1	20	
Hardness, Total(SM 2340B), Dissolved	mg/L	73.0			83.0	83.2				0	20	
Lead, Dissolved	ug/L	ND	50	50	49.2	47.9	98	96	75-125	3	20	
Lithium, Dissolved	ug/L	1.4J	50	50	49.9	48.7	97	95	75-125	2	20	
Magnesium, Dissolved	mg/L	4.4	2.5	2.5	6.8	6.7	95	92	75-125	1	20	
Molybdenum, Dissolved	ug/L	0.42J	50	50	47.0	48.3	93	96	75-125	3	20	
Nickel, Dissolved	ug/L	0.84J	50	50	49.0	49.1	96	97	75-125	0	20	
Selenium, Dissolved	ug/L	ND	50	50	51.0	51.4	102	103	75-125	1	20	
Silver, Dissolved	ug/L	ND	25	25	24.8	24.3	99	97	75-125	2	20	
Thallium, Dissolved	ug/L	ND	25	25	24.7	24.0	99	96	75-125	3	20	
Zinc, Dissolved	ug/L	2.4J	50	50	51.4	51.7	98	99	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALIFIERS

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1	Analysis conducted outside the EPA method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92760477001	**FB-01-24-Q4**	EPA 7199	891994		
92760477002	**EB-01-24-Q4**	EPA 7199	891994		
92760477003	**BR-08-24-Q4**	EPA 7199	891994		
92760477004	**BR-07-24-Q4**	EPA 7199	891994		
92760477005	**BR-07-24-Q4-FD**	EPA 7199	891994		
92760477006	**BR-06-24-Q4**	EPA 7199	891994		
92760477007	**BR-05-24-Q4**	EPA 7199	891994		
92760477008	**BR-04-24-Q4**	EPA 7199	891994		
92760477009	**BR-03-24-Q4**	EPA 7199	891994		
92760477010	**BR-02-24-Q4**	EPA 7199	891994		
92760477011	**BR-01-24-Q4**	EPA 7199	891994		
92760477012	**JR-02-24-Q4**	EPA 7199	891994		
92760477013	**JR-01-24-Q4**	EPA 7199	891994		
92760477001	**FB-01-24-Q4**	EPA 3010A	892499	EPA 6020B	892602
92760477002	**EB-01-24-Q4**	EPA 3010A	892380	EPA 6020B	892580
92760477003	**BR-08-24-Q4**	EPA 3010A	892380	EPA 6020B	892580
92760477004	**BR-07-24-Q4**	EPA 3010A	892380	EPA 6020B	892580
92760477005	**BR-07-24-Q4-FD**	EPA 3010A	892380	EPA 6020B	892580
92760477006	**BR-06-24-Q4**	EPA 3010A	892380	EPA 6020B	892580
92760477007	**BR-05-24-Q4**	EPA 3010A	892380	EPA 6020B	892580
92760477008	**BR-04-24-Q4**	EPA 3010A	892380	EPA 6020B	892580
92760477009	**BR-03-24-Q4**	EPA 3010A	892380	EPA 6020B	892580
92760477010	**BR-02-24-Q4**	EPA 3010A	892380	EPA 6020B	892580
92760477011	**BR-01-24-Q4**	EPA 3010A	892380	EPA 6020B	892580
92760477012	**JR-02-24-Q4**	EPA 3010A	892380	EPA 6020B	892580
92760477013	**JR-01-24-Q4**	EPA 3010A	892380	EPA 6020B	892580
92760477001	**FB-01-24-Q4**	Trivalent Chromium Calculation	895136		
92760477002	**EB-01-24-Q4**	Trivalent Chromium Calculation	895143		
92760477003	**BR-08-24-Q4**	Trivalent Chromium Calculation	895143		
92760477004	**BR-07-24-Q4**	Trivalent Chromium Calculation	895143		
92760477005	**BR-07-24-Q4-FD**	Trivalent Chromium Calculation	895143		
92760477006	**BR-06-24-Q4**	Trivalent Chromium Calculation	895143		
92760477007	**BR-05-24-Q4**	Trivalent Chromium Calculation	895143		
92760477008	**BR-04-24-Q4**	Trivalent Chromium Calculation	895143		
92760477009	**BR-03-24-Q4**	Trivalent Chromium Calculation	895143		
92760477010	**BR-02-24-Q4**	Trivalent Chromium Calculation	895143		
92760477011	**BR-01-24-Q4**	Trivalent Chromium Calculation	895143		
92760477012	**JR-02-24-Q4**	Trivalent Chromium Calculation	895143		

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: Bremo Surface Water 2024Q4
Pace Project No.: 92760477

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92760477013	**JR-01-24-Q4**	Trivalent Chromium Calculation	895143		
92760477001	**FB-01-24-Q4**	EPA 7470A	893328	EPA 7470A	893484
92760477002	**EB-01-24-Q4**	EPA 7470A	892777	EPA 7470A	893483
92760477003	**BR-08-24-Q4**	EPA 7470A	892777	EPA 7470A	893483
92760477004	**BR-07-24-Q4**	EPA 7470A	892777	EPA 7470A	893483
92760477005	**BR-07-24-Q4-FD**	EPA 7470A	892777	EPA 7470A	893483
92760477006	**BR-06-24-Q4**	EPA 7470A	892777	EPA 7470A	893483
92760477007	**BR-05-24-Q4**	EPA 7470A	892777	EPA 7470A	893483
92760477008	**BR-04-24-Q4**	EPA 7470A	892777	EPA 7470A	893483
92760477009	**BR-03-24-Q4**	EPA 7470A	892777	EPA 7470A	893483
92760477010	**BR-02-24-Q4**	EPA 7470A	892777	EPA 7470A	893483
92760477011	**BR-01-24-Q4**	EPA 7470A	892777	EPA 7470A	893483
92760477012	**JR-02-24-Q4**	EPA 7470A	892777	EPA 7470A	893483
92760477013	**JR-01-24-Q4**	EPA 7470A	892777	EPA 7470A	893483

Pace

Receipt

Effective Date: 5/24/2024

Laboratory receiving samples:

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

Sample Condition Upon Receipt

Client Name: Dominion Energy

Project #: WO# : 92760477

92760477

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:** WJB 10/24

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

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

Thermometer: ☒ IR Gun ID: 92707G **Type of Ice:** ☐ Wet ☐ Blue ☐ None

Cooler Temp (°C): 5.2 **Correction Factor:** Add / Subtract (°C) 0

Corrected Cooler Temp (°C): 5.2

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: 9:42 Temp: 5.2
Time: 9:47 put in cooler
Time: 9:47 Temp: 5.2

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: _____ Date/Time: _____

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

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

Pace ANALYTICAL SERVICES

Receipt

Effective Date: 5/24/2024

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

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

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

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

Laboratory receiving samples:

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

Project #

WO#: 92760477

PM: AMB **Due Date: 11/12/24**

CLIENT: 92-DomEnergy

Client Dominion Energy Profile(EZ)(Circle one) 3163825 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)	SPST-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)	RBJF	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																					CH					x			
1	\				\	\	\	\		\	\		\	\	\						1					1			
2	\				\	\	\	\		\	\		\	\	\						1					1			
3	\				\	\	\	\		\	\		\	\	\						1					1			
4	\				\	\	\	\		\	\		\	\	\						1					1			
5	\				\	\	\	\		\	\		\	\	\						1					1			
6	\				\	\	\	\		\	\		\	\	\						1					1			
7	\				\	\	\	\		\	\		\	\	\						1					1			
8	\				\	\	\	\		\	\		\	\	\						1					1			
9	\				\	\	\	\		\	\		\	\	\						1					1			
10	\				\	\	\	\		\	\		\	\	\						1					1			
11	\				\	\	\	\		\	\		\	\	\														
12	\				\	\	\	\		\	\		\	\	\														

pH Adjustment Log for Preserved Samples

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

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

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 #

2

Laboratory receiving samples:

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

Client Dominion Energy Profile/EZ (Circle one) 3163925 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)	RST	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																					CA								
1																					1					1			
2																					1					1			
3																					1					1			
4																					1					1			
5																					1					1			
6																					1								
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

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

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

Hexavalent Chromium pH Adjustment

Project # **WO#: 92760477**

PM: AMB Due Date: 11/12/24
CLIENT: 92-DomEnergy

7199 WH 9.0-9.5
218.6 WH 9.3-9.7

Client: Dominion Energy

Sample ID	Analyst	Initial pH	Adjusted pH	Adjusted Date/Time	Volume Acid/Base Used (Drops)	Lot#/Solvent
FB-01-24-Q4	HJB	9.7	9.5	12:15	5	224899
JR-02-24-Q4		9.6	9.5		4	
BR-07-24-Q4-FD		9.7	9.4		7	
BR-08-24-Q4-MSD		9.8	9.1		10	
JR-01-24-Q4		9.7	9.4		7	
BR-06-24-Q4		9.7	9.3	12:17	7	
BR-04-24-Q4-MS		9.6	9.4		5	
BR-09-24-Q4		9.8	9.2		10	
BR-03-24-Q4		9.7	9.0		8	
BR-02-24-Q4		9.8	9.4		7	
BR-05-24-Q4		9.7	9.5	12:19	5	
BR-01-24-Q4		9.8	9.4		6	
BR-07-24-Q4		9.7	9.4		8	
BR-04-24-Q4		9.7	9.5		5	
EB-01-24-Q4		9.8	9.3		8	

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

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:	Bremo Surface Water 2024Q4	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: NORMAL BUSINESS TA

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

Analysis:

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

Specify Container Size **: 10 3 3

Identify Container Preservative Type***: 1 2 2

**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

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	7199 Chromium, Hexavalent	Diss 6020/7470 & Hardness	Total 6020/7470 & Hardness	Sample Comment
FB-01-24-Q4	OI WATER	GRAB	N/A	N/A	10/28/2024	1200	2			1		1	
EB-01-24-Q4	↓					1205				1	1		
BR-08-24-Q4	SW					1215							
BR-08-24-Q4-MS						1215							
BR-08-24-Q4-MSD						1215							
BR-07-24-Q4						1240							
BR-07-24-Q4-FD						1240							
BR-06-24-Q4						1330							
BR-05-24-Q4						1330							
BR-04-24-Q4	↓	↓	↓	↓	↓	1350	↓			↓	↓		

Lab Use Only

Proj. Mgr: Angela Baioni

AcctNum / Client ID:

Table #:

Profile / Template: 15242

Prelog / Bottle Ord. ID: EZ 3163825

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By: (Printed Name) CORY FOX

Signature:

Customer Remarks / Special Conditions / Possible Hazards:
* ALL SAMPLES FIELD FILTERED EXCEPT FB-01-24-Q4

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

	Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
1	ENVIROSCIENCE	10/28/2024 1900	FEDEX	10/28/2024 1900
2			HUB Pace HVL	10/29/24 0800
3				
4				

Tracking Number: 7794 7389 6306

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

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

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:	Bremo Surface Water 2024Q4	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: NORMAL BUSINESS TA

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

Analysis:

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

Specify Container Size **: 10 3 3

Identify Container Preservative Type***: 1 2 2

**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

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	7199 Chromium, Hexavalent	Diss 6020/7470 & Hardness	Total 6020/7470 & Hardness	Sample Comment
BR-03-24-Q4	SW	GRAB	N/A	N/A	10/28/2024	1410	2			1	1		
BR-02-24-Q4	"	"	"	"	"	1425	"			"	"		
BR-01-24-Q4	"	"	"	"	"	1440	"			"	"		
JR-02-24-Q4	"	"	"	"	"	1500	"			"	"		
JR-01.24-Q4	↓	↓	↓	↓	↓	1520	↓			↓	↓		
[redacted]	[redacted]									[redacted]		[redacted]	

Lab Use Only

Proj. Mgr: Angela Baioni

AcctNum / Client ID:

Table #:

Profile / Template: 15242

Prelog / Bottle Ord. ID: EZ 3163825

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By: (Printed Name) Cole Fox

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
ENVIROSCIENCE	10/28/2024 1900	FEDEX	10/28/2024 1800	7794 7389 6306
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier
		HJB Pace HVL	10/29/24 0800	[✓] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 2

Appendix C

Data Validation Report

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:

Bremo Power Station Surface Water Sampling
Samples Collected: 10/28/2024

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:

92760477

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
FB-01-24-Q4	Field Blank	FB	CHROM_III_CALC	Chromium, Trivalent	T		UJ	H	10.0	10.0		ug/L
FB-01-24-Q4	Field Blank	FB	SW-846 7199	Chromium, Hexavalent	T	0.057	J	H	0.0043	0.025		ug/L
EB-01-24-Q4	Equipment Blank	EB	CHROM_III_CALC	Chromium, Trivalent, Dissolved	D		UJ	H	10.0	10.0		ug/L
EB-01-24-Q4	Equipment Blank	EB	SW-846 6020B	Magnesium, Dissolved	D	0.025	J	RL	0.0042	0.10		mg/L
EB-01-24-Q4	Equipment Blank	EB	SW-846 7199	Chromium, Hexavalent	D	0.066	J	H	0.0043	0.025		ug/L
BR-08-24-Q4	BR-08 (North & East Ponds)	N	SW-846 6020B	Boron, Dissolved	D	16.6	J	RL	7.5	50.0		ug/L
BR-08-24-Q4	BR-08 (North & East Ponds)	N	SW-846 6020B	Cobalt, Dissolved	D	0.19	J	RL	0.14	1.0		ug/L
BR-08-24-Q4	BR-08 (North & East Ponds)	N	SW-846 6020B	Lithium, Dissolved	D	1.4	J	RL	0.33	2.5		ug/L
BR-08-24-Q4	BR-08 (North & East Ponds)	N	SW-846 6020B	Molybdenum, Dissolved	D	0.42	J	RL	0.075	1.0		ug/L
BR-08-24-Q4	BR-08 (North & East Ponds)	N	SW-846 6020B	Nickel, Dissolved	D	0.84	J	RL	0.26	1.0		ug/L
BR-08-24-Q4	BR-08 (North & East Ponds)	N	SW-846 6020B	Zinc, Dissolved	D	2.4	J	RL	0.93	10.0		ug/L
BR-08-24-Q4	BR-08 (North & East Ponds)	N	SW-846 7199	Chromium, Hexavalent	D		U	BE,BF	0.071	0.071		ug/L
BR-07-24-Q4	BR-07 (North & East Ponds)	N	SW-846 6020B	Boron, Dissolved	D	19.3	J	RL	7.5	50.0		ug/L
BR-07-24-Q4	BR-07 (North & East Ponds)	N	SW-846 6020B	Cobalt, Dissolved	D	0.20	J	RL	0.14	1.0		ug/L
BR-07-24-Q4	BR-07 (North & East Ponds)	N	SW-846 6020B	Lithium, Dissolved	D	1.5	J	RL	0.33	2.5		ug/L
BR-07-24-Q4	BR-07 (North & East Ponds)	N	SW-846 6020B	Molybdenum, Dissolved	D	0.43	J	RL	0.075	1.0		ug/L
BR-07-24-Q4	BR-07 (North & East Ponds)	N	SW-846 6020B	Nickel, Dissolved	D	0.85	J	RL	0.26	1.0		ug/L

Sample	Location	Sample Type	Method	Analyte	T/D	Result	Qual	Reason Code(s)	MDL	QL	Uncertainty	Unit
BR-07-24-Q4	BR-07 (North & East Ponds)	N	SW-846 6020B	Zinc, Dissolved	D	2.6	J	RL	0.93	10.0		ug/L
BR-07-24-Q4	BR-07 (North & East Ponds)	N	SW-846 7199	Chromium, Hexavalent	D		U	BE,BF	0.088	0.088		ug/L
BR-07-24-Q4-FD	BR-07 (North & East Ponds)	FD	SW-846 6020B	Boron, Dissolved	D	19.0	J	RL	7.5	50.0		ug/L
BR-07-24-Q4-FD	BR-07 (North & East Ponds)	FD	SW-846 6020B	Cobalt, Dissolved	D	0.20	J	RL	0.14	1.0		ug/L
BR-07-24-Q4-FD	BR-07 (North & East Ponds)	FD	SW-846 6020B	Copper, Dissolved	D	0.56	J	RL	0.55	2.0		ug/L
BR-07-24-Q4-FD	BR-07 (North & East Ponds)	FD	SW-846 6020B	Lithium, Dissolved	D	1.4	J	RL	0.33	2.5		ug/L
BR-07-24-Q4-FD	BR-07 (North & East Ponds)	FD	SW-846 6020B	Molybdenum, Dissolved	D	0.41	J	RL	0.075	1.0		ug/L
BR-07-24-Q4-FD	BR-07 (North & East Ponds)	FD	SW-846 6020B	Nickel, Dissolved	D	0.81	J	RL	0.26	1.0		ug/L
BR-07-24-Q4-FD	BR-07 (North & East Ponds)	FD	SW-846 6020B	Zinc, Dissolved	D	2.4	J	RL	0.93	10.0		ug/L
BR-07-24-Q4-FD	BR-07 (North & East Ponds)	FD	SW-846 7199	Chromium, Hexavalent	D		U	BE,BF	0.10	0.10		ug/L
BR-06-24-Q4	BR-06 (North & East Ponds)	N	SW-846 6020B	Boron, Dissolved	D	19.2	J	RL	7.5	50.0		ug/L
BR-06-24-Q4	BR-06 (North & East Ponds)	N	SW-846 6020B	Cobalt, Dissolved	D	0.20	J	RL	0.14	1.0		ug/L
BR-06-24-Q4	BR-06 (North & East Ponds)	N	SW-846 6020B	Copper, Dissolved	D	0.92	J	RL	0.55	2.0		ug/L
BR-06-24-Q4	BR-06 (North & East Ponds)	N	SW-846 6020B	Lithium, Dissolved	D	1.4	J	RL	0.33	2.5		ug/L
BR-06-24-Q4	BR-06 (North & East Ponds)	N	SW-846 6020B	Molybdenum, Dissolved	D	0.43	J	RL	0.075	1.0		ug/L
BR-06-24-Q4	BR-06 (North & East Ponds)	N	SW-846 6020B	Nickel, Dissolved	D	0.88	J	RL	0.26	1.0		ug/L
BR-06-24-Q4	BR-06 (North & East Ponds)	N	SW-846 6020B	Zinc, Dissolved	D	2.4	J	RL	0.93	10.0		ug/L
BR-06-24-Q4	BR-06 (North & East Ponds)	N	SW-846 7199	Chromium, Hexavalent	D		U	BE,BF	0.082	0.082		ug/L
BR-05-24-Q4	BR-05 (North & East Ponds)	N	SW-846 6020B	Boron, Dissolved	D	18.4	J	RL	7.5	50.0		ug/L
BR-05-24-Q4	BR-05 (North & East Ponds)	N	SW-846 6020B	Cobalt, Dissolved	D	0.32	J	RL	0.14	1.0		ug/L
BR-05-24-Q4	BR-05 (North & East Ponds)	N	SW-846 6020B	Copper, Dissolved	D	0.78	J	RL	0.55	2.0		ug/L
BR-05-24-Q4	BR-05 (North & East Ponds)	N	SW-846 6020B	Lithium, Dissolved	D	1.4	J	RL	0.33	2.5		ug/L
BR-05-24-Q4	BR-05 (North & East Ponds)	N	SW-846 6020B	Molybdenum, Dissolved	D	0.56	J	RL	0.075	1.0		ug/L
BR-05-24-Q4	BR-05 (North & East Ponds)	N	SW-846 6020B	Zinc, Dissolved	D	2.6	J	RL	0.93	10.0		ug/L
BR-05-24-Q4	BR-05 (North & East Ponds)	N	SW-846 7199	Chromium, Hexavalent	D		U	BE,BF	0.098	0.098		ug/L
BR-04-24-Q4	BR-04 (West Pond)	N	SW-846 6020B	Boron, Dissolved	D	18.5	J	RL	7.5	50.0		ug/L

Sample	Location	Sample Type	Method	Analyte	T/D	Result	Qual	Reason Code(s)	MDL	QL	Uncertainty	Unit
BR-04-24-Q4	BR-04 (West Pond)	N	SW-846 6020B	Cobalt, Dissolved	D	0.19	J	RL	0.14	1.0		ug/L
BR-04-24-Q4	BR-04 (West Pond)	N	SW-846 6020B	Copper, Dissolved	D	0.59	J	RL	0.55	2.0		ug/L
BR-04-24-Q4	BR-04 (West Pond)	N	SW-846 6020B	Lithium, Dissolved	D	1.4	J	RL	0.33	2.5		ug/L
BR-04-24-Q4	BR-04 (West Pond)	N	SW-846 6020B	Molybdenum, Dissolved	D	0.43	J	RL	0.075	1.0		ug/L
BR-04-24-Q4	BR-04 (West Pond)	N	SW-846 6020B	Nickel, Dissolved	D	0.84	J	RL	0.26	1.0		ug/L
BR-04-24-Q4	BR-04 (West Pond)	N	SW-846 6020B	Zinc, Dissolved	D	2.8	J	RL	0.93	10.0		ug/L
BR-04-24-Q4	BR-04 (West Pond)	N	SW-846 7199	Chromium, Hexavalent	D		U	BE,BF	0.077	0.077		ug/L
BR-03-24-Q4	BR-03 (West Pond)	N	SW-846 6020B	Boron, Dissolved	D	18.3	J	RL	7.5	50.0		ug/L
BR-03-24-Q4	BR-03 (West Pond)	N	SW-846 6020B	Cobalt, Dissolved	D	0.19	J	RL	0.14	1.0		ug/L
BR-03-24-Q4	BR-03 (West Pond)	N	SW-846 6020B	Copper, Dissolved	D	0.56	J	RL	0.55	2.0		ug/L
BR-03-24-Q4	BR-03 (West Pond)	N	SW-846 6020B	Lithium, Dissolved	D	1.4	J	RL	0.33	2.5		ug/L
BR-03-24-Q4	BR-03 (West Pond)	N	SW-846 6020B	Molybdenum, Dissolved	D	0.42	J	RL	0.075	1.0		ug/L
BR-03-24-Q4	BR-03 (West Pond)	N	SW-846 6020B	Nickel, Dissolved	D	0.82	J	RL	0.26	1.0		ug/L
BR-03-24-Q4	BR-03 (West Pond)	N	SW-846 6020B	Zinc, Dissolved	D	2.4	J	RL	0.93	10.0		ug/L
BR-03-24-Q4	BR-03 (West Pond)	N	SW-846 7199	Chromium, Hexavalent	D		U	BE,BF	0.095	0.095		ug/L
BR-02-24-Q4	BR-02 (West Pond)	N	SW-846 6020B	Boron, Dissolved	D	18.3	J	RL	7.5	50.0		ug/L
BR-02-24-Q4	BR-02 (West Pond)	N	SW-846 6020B	Cobalt, Dissolved	D	0.28	J	RL	0.14	1.0		ug/L
BR-02-24-Q4	BR-02 (West Pond)	N	SW-846 6020B	Copper, Dissolved	D	0.82	J	RL	0.55	2.0		ug/L
BR-02-24-Q4	BR-02 (West Pond)	N	SW-846 6020B	Lithium, Dissolved	D	1.4	J	RL	0.33	2.5		ug/L
BR-02-24-Q4	BR-02 (West Pond)	N	SW-846 6020B	Molybdenum, Dissolved	D	0.43	J	RL	0.075	1.0		ug/L
BR-02-24-Q4	BR-02 (West Pond)	N	SW-846 6020B	Nickel, Dissolved	D	0.96	J	RL	0.26	1.0		ug/L
BR-02-24-Q4	BR-02 (West Pond)	N	SW-846 6020B	Zinc, Dissolved	D	2.2	J	RL	0.93	10.0		ug/L
BR-02-24-Q4	BR-02 (West Pond)	N	SW-846 7199	Chromium, Hexavalent	D		U	BE,BF	0.086	0.086		ug/L
BR-01-24-Q4	BR-01 (West Pond)	N	SW-846 6020B	Boron, Dissolved	D	18.5	J	RL	7.5	50.0		ug/L
BR-01-24-Q4	BR-01 (West Pond)	N	SW-846 6020B	Cobalt, Dissolved	D	0.23	J	RL	0.14	1.0		ug/L
BR-01-24-Q4	BR-01 (West Pond)	N	SW-846 6020B	Copper, Dissolved	D	0.82	J	RL	0.55	2.0		ug/L
BR-01-24-Q4	BR-01 (West Pond)	N	SW-846 6020B	Lithium, Dissolved	D	1.4	J	RL	0.33	2.5		ug/L
BR-01-24-Q4	BR-01 (West Pond)	N	SW-846 6020B	Molybdenum, Dissolved	D	0.42	J	RL	0.075	1.0		ug/L
BR-01-24-Q4	BR-01 (West Pond)	N	SW-846 6020B	Nickel, Dissolved	D	0.87	J	RL	0.26	1.0		ug/L
BR-01-24-Q4	BR-01 (West Pond)	N	SW-846 6020B	Zinc, Dissolved	D	2.4	J	RL	0.93	10.0		ug/L
BR-01-24-Q4	BR-01 (West Pond)	N	SW-846 7199	Chromium, Hexavalent	D		U	BE,BF	0.075	0.075		ug/L
JR-02-24-Q4	JR-02 (Upstream)	N	SW-846 6020B	Boron, Dissolved	D	17.6	J	RL	7.5	50.0		ug/L
JR-02-24-Q4	JR-02 (Upstream)	N	SW-846 6020B	Cobalt, Dissolved	D	0.19	J	RL	0.14	1.0		ug/L
JR-02-24-Q4	JR-02 (Upstream)	N	SW-846 6020B	Copper, Dissolved	D	0.56	J	RL	0.55	2.0		ug/L
JR-02-24-Q4	JR-02 (Upstream)	N	SW-846 6020B	Lithium, Dissolved	D	1.4	J	RL	0.33	2.5		ug/L
JR-02-24-Q4	JR-02 (Upstream)	N	SW-846 6020B	Molybdenum, Dissolved	D	0.40	J	RL	0.075	1.0		ug/L

Sample	Location	Sample Type	Method	Analyte	T/D	Result	Qual	Reason Code(s)	MDL	QL	Uncertainty	Unit
JR-02-24-Q4	JR-02 (Upstream)	N	SW-846 6020B	Nickel, Dissolved	D	0.80	J	RL	0.26	1.0		ug/L
JR-02-24-Q4	JR-02 (Upstream)	N	SW-846 6020B	Zinc, Dissolved	D	2.4	J	RL	0.93	10.0		ug/L
JR-02-24-Q4	JR-02 (Upstream)	N	SW-846 7199	Chromium, Hexavalent	D		U	BE,BF	0.085	0.085		ug/L
JR-01-24-Q4	JR-01 (Upstream)	N	CHROM_III_CALC	Chromium, Trivalent, Dissolved	D		UJ	H	10.0	10.0		ug/L
JR-01-24-Q4	JR-01 (Upstream)	N	SW-846 6020B	Boron, Dissolved	D	18.0	J	RL	7.5	50.0		ug/L
JR-01-24-Q4	JR-01 (Upstream)	N	SW-846 6020B	Cobalt, Dissolved	D	0.18	J	RL	0.14	1.0		ug/L
JR-01-24-Q4	JR-01 (Upstream)	N	SW-846 6020B	Lithium, Dissolved	D	1.3	J	RL	0.33	2.5		ug/L
JR-01-24-Q4	JR-01 (Upstream)	N	SW-846 6020B	Molybdenum, Dissolved	D	0.42	J	RL	0.075	1.0		ug/L
JR-01-24-Q4	JR-01 (Upstream)	N	SW-846 6020B	Nickel, Dissolved	D	0.80	J	RL	0.26	1.0		ug/L
JR-01-24-Q4	JR-01 (Upstream)	N	SW-846 6020B	Zinc, Dissolved	D	2.4	J	RL	0.93	10.0		ug/L
JR-01-24-Q4	JR-01 (Upstream)	N	SW-846 7199	Chromium, Hexavalent	D		U	BE,BF,H	0.081	0.081		ug/L

Data Qualifiers	
U	The analyte was not detected above the level of the sample reporting limit.
J	Quantitation is approximate due to limitations identified during data validation.
J+	The result is an estimated quantity; the result may be biased high.
J-	The result is an estimated quantity; the result may be biased low.
UJ	The analyte was not detected; the reporting limit is approximate and may be inaccurate or imprecise.
R	Unreliable positive result; analyte may or may not be present in sample.
Reason Codes and Explanations	
BE	Equipment blank contamination.
BF	Field blank contamination.
BL	Laboratory blank contamination.
BN	Negative laboratory blank contamination.
FD	Field duplicate imprecision.
FG	Total versus Dissolved Imprecision.
H	Holding time exceeded.
L	LCS and LCSD recoveries outside of acceptance limits
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits
MP	MS/MSD imprecision.
Q	Chemical Preservation issue.
RL	Reported Results between the MDL and QL.
S	Radium-226+228 flagged due to reporting protocol for combined results
T	Temperature preservation issue.
X	Percent solids < 50%.
Y	Chemical yield outside of acceptance limits
ZZ	Other

Facility: Bremo Power Station
SDG: 92760477

Lab Sample ID	92760477001
Sys Sample Code	FB-01-24-Q4
Sample Name	FB-01-24-Q4
Sample Date	10/28/2024 12:00:00 PM
Location	BPS-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
CHROM_III_CALC	Chromium, Trivalent	CHROMIUM,	T	ug/L		UJ	H		10.0	10.0	10.0	N	Yes	1	NA
SM 2340B	Hardness, Total(SM 2340B)	HARD	N	mg/L		U			0.54	0.54	0.91	N	Yes	1	NA
SW-846 6020B	Antimony	7440-36-0	T	ug/L		U			0.10	0.10	1.0	N	Yes	1	NA
	Arsenic	7440-38-2	T	ug/L		U			0.17	0.17	1.0	N	Yes	1	NA
	Boron	7440-42-8	T	ug/L		U			7.5	7.5	50.0	N	Yes	1	NA
	Cadmium	7440-43-9	T	ug/L		U			0.037	0.037	0.10	N	Yes	1	NA
	Calcium	7440-70-2	T	mg/L		U			0.063	0.063	0.20	N	Yes	1	NA
	Chromium	7440-47-3	T	ug/L		U			0.39	0.39	1.0	N	Yes	1	NA
	Cobalt	7440-48-4	T	ug/L		U			0.14	0.14	1.0	N	Yes	1	NA
	Copper	7440-50-8	T	ug/L		U			0.55	0.55	2.0	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
	Magnesium	7439-95-4	T	mg/L		U			0.0042	0.0042	0.10	N	Yes	1	NA
	Molybdenum	7439-98-7	T	ug/L		U			0.075	0.075	1.0	N	Yes	1	NA
	Nickel	7440-02-0	T	ug/L		U			0.26	0.26	1.0	N	Yes	1	NA
	Selenium	7782-49-2	T	ug/L		U			0.22	0.22	2.0	N	Yes	1	NA
	Silver	7440-22-4	T	ug/L		U			0.046	0.046	0.40	N	Yes	1	NA
	Thallium	7440-28-0	T	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Zinc	7440-66-6	T	ug/L		U			0.93	0.93	10.0	N	Yes	1	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	T	ug/L	0.057	J	H		0.0043	0.0043	0.025	Y	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	92760477002
Sys Sample Code	EB-01-24-Q4
Sample Name	EB-01-24-Q4
Sample Date	10/28/2024 12:05:00 PM
Location	BPS-EB / Equipment Blank
Sample Type	EB
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
CHROM_III_CALC	Chromium, Trivalent, Dissolved	CHROMIUM, TRIVA	D	ug/L		UJ	H		10.0	10.0	10.0	N	Yes	1	NA
SM 2340B	Hardness, Total(SM 2340B), Dissolved	HARD	D	mg/L		U			0.54	0.54	0.91	N	Yes	1	NA
SW-846 6020B	Antimony, Dissolved	7440-36-0	D	ug/L		U			0.10	0.10	1.0	N	Yes	1	NA
	Arsenic, Dissolved	7440-38-2	D	ug/L		U			0.17	0.17	1.0	N	Yes	1	NA
	Cadmium, Dissolved	7440-43-9	D	ug/L		U			0.037	0.037	0.10	N	Yes	1	NA
	Calcium, Dissolved	7440-70-2	D	mg/L		U			0.063	0.063	0.20	N	Yes	1	NA
	Chromium, Dissolved	7440-47-3	D	ug/L		U			0.39	0.39	1.0	N	Yes	1	NA
	Cobalt, Dissolved	7440-48-4	D	ug/L		U			0.14	0.14	1.0	N	Yes	1	NA
	Copper, Dissolved	7440-50-8	D	ug/L		U			0.55	0.55	2.0	N	Yes	1	NA
	Lead, Dissolved	7439-92-1	D	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium, Dissolved	7439-93-2	D	ug/L		U			0.33	0.33	2.5	N	Yes	1	NA
	Magnesium, Dissolved	7439-95-4	D	mg/L	0.025	J	RL		0.0042	0.0042	0.10	Y	Yes	1	NA
	Molybdenum, Dissolved	7439-98-7	D	ug/L		U			0.075	0.075	1.0	N	Yes	1	NA
	Nickel, Dissolved	7440-02-0	D	ug/L		U			0.26	0.26	1.0	N	Yes	1	NA
	Selenium, Dissolved	7782-49-2	D	ug/L		U			0.22	0.22	2.0	N	Yes	1	NA
	Silver, Dissolved	7440-22-4	D	ug/L		U			0.046	0.046	0.40	N	Yes	1	NA
	Thallium, Dissolved	7440-28-0	D	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Zinc, Dissolved	7440-66-6	D	ug/L		U			0.93	0.93	10.0	N	Yes	1	NA
SW-846 6020B	Boron, Dissolved	7440-42-8	D	ug/L		U			7.5	7.5	50.0	N	Yes	1	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L	0.066	J	H		0.0043	0.0043	0.025	Y	Yes	1	NA
SW-846 7470A	Mercury, Dissolved	7439-97-6	D	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA

Lab Sample ID	92760477003
Sys Sample Code	BR-08-24-Q4
Sample Name	BR-08-24-Q4
Sample Date	10/28/2024 12:15:00 PM
Location	BPS-SW-BR-08 / BR-08 (North & East Ponds)
Sample Type	N
Matrix	SW
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
CHROM_III_CALC	Chromium, Trivalent, Dissolved	CHROMIUM, TRIVA	D	ug/L		U			10.0	10.0	10.0	N	Yes	1	NA
SM 2340B	Hardness, Total(SM 2340B), Dissolved	HARD	D	mg/L	73.0				1.6	1.6	2.7	Y	Yes	3	NA
SW-846 6020B	Antimony, Dissolved	7440-36-0	D	ug/L		U			0.10	0.10	1.0	N	Yes	1	NA
	Arsenic, Dissolved	7440-38-2	D	ug/L		U			0.17	0.17	1.0	N	Yes	1	NA
	Cadmium, Dissolved	7440-43-9	D	ug/L		U			0.037	0.037	0.10	N	Yes	1	NA
	Chromium, Dissolved	7440-47-3	D	ug/L		U			0.39	0.39	1.0	N	Yes	1	NA
	Cobalt, Dissolved	7440-48-4	D	ug/L	0.19	J	RL		0.14	0.14	1.0	Y	Yes	1	NA
	Copper, Dissolved	7440-50-8	D	ug/L		U			0.55	0.55	2.0	N	Yes	1	NA
	Lead, Dissolved	7439-92-1	D	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium, Dissolved	7439-93-2	D	ug/L	1.4	J	RL		0.33	0.33	2.5	Y	Yes	1	NA
	Magnesium, Dissolved	7439-95-4	D	mg/L	4.4				0.0042	0.0042	0.10	Y	Yes	1	NA
	Molybdenum, Dissolved	7439-98-7	D	ug/L	0.42	J	RL		0.075	0.075	1.0	Y	Yes	1	NA
	Nickel, Dissolved	7440-02-0	D	ug/L	0.84	J	RL		0.26	0.26	1.0	Y	Yes	1	NA
	Selenium, Dissolved	7782-49-2	D	ug/L		U			0.22	0.22	2.0	N	Yes	1	NA
	Silver, Dissolved	7440-22-4	D	ug/L		U			0.046	0.046	0.40	N	Yes	1	NA
	Thallium, Dissolved	7440-28-0	D	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Zinc, Dissolved	7440-66-6	D	ug/L	2.4	J	RL		0.93	0.93	10.0	Y	Yes	1	NA
SW-846 6020B	Boron, Dissolved	7440-42-8	D	ug/L	16.6	J	RL		7.5	7.5	50.0	Y	Yes	1	NA
SW-846 6020B	Calcium, Dissolved	7440-70-2	D	mg/L	21.9				0.19	0.19	0.60	Y	Yes	3	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L		U	BE,BF		0.071	0.071	0.071	N	Yes	1	NA
SW-846 7470A	Mercury, Dissolved	7439-97-6	D	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA

Lab Sample ID	92760477004
Sys Sample Code	BR-07-24-Q4
Sample Name	BR-07-24-Q4
Sample Date	10/28/2024 12:40:00 PM
Location	BPS-SW-BR-07 / BR-07 (North & East Ponds)
Sample Type	N
Matrix	SW
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
CHROM_III_CALC	Chromium, Trivalent, Dissolved	CHROMIUM, TRIVA	D	ug/L		U			10.0	10.0	10.0	N	Yes	1	NA
SM 2340B	Hardness, Total(SM 2340B), Dissolved	HARD	D	mg/L	68.9				1.6	1.6	2.7	Y	Yes	3	NA
SW-846 6020B	Antimony, Dissolved	7440-36-0	D	ug/L		U			0.10	0.10	1.0	N	Yes	1	NA
	Arsenic, Dissolved	7440-38-2	D	ug/L		U			0.17	0.17	1.0	N	Yes	1	NA
	Boron, Dissolved	7440-42-8	D	ug/L	19.3	J	RL		7.5	7.5	50.0	Y	Yes	1	NA
	Cadmium, Dissolved	7440-43-9	D	ug/L		U			0.037	0.037	0.10	N	Yes	1	NA
	Chromium, Dissolved	7440-47-3	D	ug/L		U			0.39	0.39	1.0	N	Yes	1	NA
	Cobalt, Dissolved	7440-48-4	D	ug/L	0.20	J	RL		0.14	0.14	1.0	Y	Yes	1	NA
	Copper, Dissolved	7440-50-8	D	ug/L		U			0.55	0.55	2.0	N	Yes	1	NA
	Lead, Dissolved	7439-92-1	D	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium, Dissolved	7439-93-2	D	ug/L	1.5	J	RL		0.33	0.33	2.5	Y	Yes	1	NA
	Magnesium, Dissolved	7439-95-4	D	mg/L	4.5				0.0042	0.0042	0.10	Y	Yes	1	NA
	Molybdenum, Dissolved	7439-98-7	D	ug/L	0.43	J	RL		0.075	0.075	1.0	Y	Yes	1	NA
	Nickel, Dissolved	7440-02-0	D	ug/L	0.85	J	RL		0.26	0.26	1.0	Y	Yes	1	NA
	Selenium, Dissolved	7782-49-2	D	ug/L		U			0.22	0.22	2.0	N	Yes	1	NA
	Silver, Dissolved	7440-22-4	D	ug/L		U			0.046	0.046	0.40	N	Yes	1	NA
	Thallium, Dissolved	7440-28-0	D	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Zinc, Dissolved	7440-66-6	D	ug/L	2.6	J	RL		0.93	0.93	10.0	Y	Yes	1	NA
SW-846 6020B	Calcium, Dissolved	7440-70-2	D	mg/L	20.2				0.19	0.19	0.60	Y	Yes	3	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L		U	BE,BF		0.088	0.088	0.088	N	Yes	1	NA
SW-846 7470A	Mercury, Dissolved	7439-97-6	D	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA

Lab Sample ID	92760477005
Sys Sample Code	BR-07-24-Q4-FD
Sample Name	BR-07-24-Q4-FD
Sample Date	10/28/2024 12:40:00 PM
Location	BPS-SW-BR-07 / BR-07 (North & East Ponds)
Sample Type	FD
Matrix	SW
Parent Sample	BR-07-24-Q4
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
CHROM_III_CALC	Chromium, Trivalent, Dissolved	CHROMIUM, TRIVA	D	ug/L		U			10.0	10.0	10.0	N	Yes	1	NA
SM 2340B	Hardness, Total(SM 2340B), Dissolved	HARD	D	mg/L	69.7				1.6	1.6	2.7	Y	Yes	3	NA
SW-846 6020B	Antimony, Dissolved	7440-36-0	D	ug/L		U			0.10	0.10	1.0	N	Yes	1	NA
	Arsenic, Dissolved	7440-38-2	D	ug/L		U			0.17	0.17	1.0	N	Yes	1	NA
	Boron, Dissolved	7440-42-8	D	ug/L	19.0	J	RL		7.5	7.5	50.0	Y	Yes	1	NA
	Cadmium, Dissolved	7440-43-9	D	ug/L		U			0.037	0.037	0.10	N	Yes	1	NA
	Chromium, Dissolved	7440-47-3	D	ug/L		U			0.39	0.39	1.0	N	Yes	1	NA
	Cobalt, Dissolved	7440-48-4	D	ug/L	0.20	J	RL		0.14	0.14	1.0	Y	Yes	1	NA
	Copper, Dissolved	7440-50-8	D	ug/L	0.56	J	RL		0.55	0.55	2.0	Y	Yes	1	NA
	Lead, Dissolved	7439-92-1	D	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium, Dissolved	7439-93-2	D	ug/L	1.4	J	RL		0.33	0.33	2.5	Y	Yes	1	NA
	Magnesium, Dissolved	7439-95-4	D	mg/L	4.4				0.0042	0.0042	0.10	Y	Yes	1	NA
	Molybdenum, Dissolved	7439-98-7	D	ug/L	0.41	J	RL		0.075	0.075	1.0	Y	Yes	1	NA
	Nickel, Dissolved	7440-02-0	D	ug/L	0.81	J	RL		0.26	0.26	1.0	Y	Yes	1	NA
	Selenium, Dissolved	7782-49-2	D	ug/L		U			0.22	0.22	2.0	N	Yes	1	NA
	Silver, Dissolved	7440-22-4	D	ug/L		U			0.046	0.046	0.40	N	Yes	1	NA
	Thallium, Dissolved	7440-28-0	D	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Zinc, Dissolved	7440-66-6	D	ug/L	2.4	J	RL		0.93	0.93	10.0	Y	Yes	1	NA
SW-846 6020B	Calcium, Dissolved	7440-70-2	D	mg/L	20.6				0.19	0.19	0.60	Y	Yes	3	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L		U	BE,BF		0.10	0.10	0.10	N	Yes	1	NA
SW-846 7470A	Mercury, Dissolved	7439-97-6	D	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA

Lab Sample ID	92760477006
Sys Sample Code	BR-06-24-Q4
Sample Name	BR-06-24-Q4
Sample Date	10/28/2024 1:10:00 PM
Location	BPS-SW-BR-06 / BR-06 (North & East Ponds)
Sample Type	N
Matrix	SW
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
CHROM_III_CALC	Chromium, Trivalent, Dissolved	CHROMIUM, TRIVA	D	ug/L		U			10.0	10.0	10.0	N	Yes	1	NA
SM 2340B	Hardness, Total(SM 2340B), Dissolved	HARD	D	mg/L	70.4				1.6	1.6	2.7	Y	Yes	3	NA
SW-846 6020B	Antimony, Dissolved	7440-36-0	D	ug/L		U			0.10	0.10	1.0	N	Yes	1	NA
	Arsenic, Dissolved	7440-38-2	D	ug/L		U			0.17	0.17	1.0	N	Yes	1	NA
	Boron, Dissolved	7440-42-8	D	ug/L	19.2	J	RL		7.5	7.5	50.0	Y	Yes	1	NA
	Cadmium, Dissolved	7440-43-9	D	ug/L		U			0.037	0.037	0.10	N	Yes	1	NA
	Chromium, Dissolved	7440-47-3	D	ug/L		U			0.39	0.39	1.0	N	Yes	1	NA
	Cobalt, Dissolved	7440-48-4	D	ug/L	0.20	J	RL		0.14	0.14	1.0	Y	Yes	1	NA
	Copper, Dissolved	7440-50-8	D	ug/L	0.92	J	RL		0.55	0.55	2.0	Y	Yes	1	NA
	Lead, Dissolved	7439-92-1	D	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium, Dissolved	7439-93-2	D	ug/L	1.4	J	RL		0.33	0.33	2.5	Y	Yes	1	NA
	Magnesium, Dissolved	7439-95-4	D	mg/L	4.5				0.0042	0.0042	0.10	Y	Yes	1	NA
	Molybdenum, Dissolved	7439-98-7	D	ug/L	0.43	J	RL		0.075	0.075	1.0	Y	Yes	1	NA
	Nickel, Dissolved	7440-02-0	D	ug/L	0.88	J	RL		0.26	0.26	1.0	Y	Yes	1	NA
	Selenium, Dissolved	7782-49-2	D	ug/L		U			0.22	0.22	2.0	N	Yes	1	NA
	Silver, Dissolved	7440-22-4	D	ug/L		U			0.046	0.046	0.40	N	Yes	1	NA
	Thallium, Dissolved	7440-28-0	D	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Zinc, Dissolved	7440-66-6	D	ug/L	2.4	J	RL		0.93	0.93	10.0	Y	Yes	1	NA
SW-846 6020B	Calcium, Dissolved	7440-70-2	D	mg/L	20.8				0.19	0.19	0.60	Y	Yes	3	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L		U	BE,BF		0.082	0.082	0.082	N	Yes	1	NA
SW-846 7470A	Mercury, Dissolved	7439-97-6	D	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA

Lab Sample ID	92760477007
Sys Sample Code	BR-05-24-Q4
Sample Name	BR-05-24-Q4
Sample Date	10/28/2024 1:30:00 PM
Location	BPS-SW-BR-05 / BR-05 (North & East Ponds)
Sample Type	N
Matrix	SW
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
CHROM_III_CALC	Chromium, Trivalent, Dissolved	CHROMIUM, TRIVA	D	ug/L		U			10.0	10.0	10.0	N	Yes	1	NA
SM 2340B	Hardness, Total(SM 2340B), Dissolved	HARD	D	mg/L	68.6				1.6	1.6	2.7	Y	Yes	3	NA
SW-846 6020B	Antimony, Dissolved	7440-36-0	D	ug/L		U			0.10	0.10	1.0	N	Yes	1	NA
	Arsenic, Dissolved	7440-38-2	D	ug/L		U			0.17	0.17	1.0	N	Yes	1	NA
	Boron, Dissolved	7440-42-8	D	ug/L	18.4	J	RL		7.5	7.5	50.0	Y	Yes	1	NA
	Cadmium, Dissolved	7440-43-9	D	ug/L		U			0.037	0.037	0.10	N	Yes	1	NA
	Chromium, Dissolved	7440-47-3	D	ug/L		U			0.39	0.39	1.0	N	Yes	1	NA
	Cobalt, Dissolved	7440-48-4	D	ug/L	0.32	J	RL		0.14	0.14	1.0	Y	Yes	1	NA
	Copper, Dissolved	7440-50-8	D	ug/L	0.78	J	RL		0.55	0.55	2.0	Y	Yes	1	NA
	Lead, Dissolved	7439-92-1	D	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium, Dissolved	7439-93-2	D	ug/L	1.4	J	RL		0.33	0.33	2.5	Y	Yes	1	NA
	Magnesium, Dissolved	7439-95-4	D	mg/L	4.4				0.0042	0.0042	0.10	Y	Yes	1	NA
	Molybdenum, Dissolved	7439-98-7	D	ug/L	0.56	J	RL		0.075	0.075	1.0	Y	Yes	1	NA
	Nickel, Dissolved	7440-02-0	D	ug/L	1.0				0.26	0.26	1.0	Y	Yes	1	NA
	Selenium, Dissolved	7782-49-2	D	ug/L		U			0.22	0.22	2.0	N	Yes	1	NA
	Silver, Dissolved	7440-22-4	D	ug/L		U			0.046	0.046	0.40	N	Yes	1	NA
	Thallium, Dissolved	7440-28-0	D	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Zinc, Dissolved	7440-66-6	D	ug/L	2.6	J	RL		0.93	0.93	10.0	Y	Yes	1	NA
SW-846 6020B	Calcium, Dissolved	7440-70-2	D	mg/L	20.3				0.19	0.19	0.60	Y	Yes	3	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L		U	BE,BF		0.098	0.098	0.098	N	Yes	1	NA
SW-846 7470A	Mercury, Dissolved	7439-97-6	D	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA

Lab Sample ID	92760477008
Sys Sample Code	BR-04-24-Q4
Sample Name	BR-04-24-Q4
Sample Date	10/28/2024 1:50:00 PM
Location	BPS-SW-BR-04 / BR-04 (West Pond)
Sample Type	N
Matrix	SW
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
CHROM_III_CALC	Chromium, Trivalent, Dissolved	CHROMIUM, TRIVA	D	ug/L		U			10.0	10.0	10.0	N	Yes	1	NA
SM 2340B	Hardness, Total(SM 2340B), Dissolved	HARD	D	mg/L	70.3				1.6	1.6	2.7	Y	Yes	3	NA
SW-846 6020B	Antimony, Dissolved	7440-36-0	D	ug/L		U			0.10	0.10	1.0	N	Yes	1	NA
	Arsenic, Dissolved	7440-38-2	D	ug/L		U			0.17	0.17	1.0	N	Yes	1	NA
	Boron, Dissolved	7440-42-8	D	ug/L	18.5	J	RL		7.5	7.5	50.0	Y	Yes	1	NA
	Cadmium, Dissolved	7440-43-9	D	ug/L		U			0.037	0.037	0.10	N	Yes	1	NA
	Chromium, Dissolved	7440-47-3	D	ug/L		U			0.39	0.39	1.0	N	Yes	1	NA
	Cobalt, Dissolved	7440-48-4	D	ug/L	0.19	J	RL		0.14	0.14	1.0	Y	Yes	1	NA
	Copper, Dissolved	7440-50-8	D	ug/L	0.59	J	RL		0.55	0.55	2.0	Y	Yes	1	NA
	Lead, Dissolved	7439-92-1	D	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium, Dissolved	7439-93-2	D	ug/L	1.4	J	RL		0.33	0.33	2.5	Y	Yes	1	NA
	Magnesium, Dissolved	7439-95-4	D	mg/L	4.4				0.0042	0.0042	0.10	Y	Yes	1	NA
	Molybdenum, Dissolved	7439-98-7	D	ug/L	0.43	J	RL		0.075	0.075	1.0	Y	Yes	1	NA
	Nickel, Dissolved	7440-02-0	D	ug/L	0.84	J	RL		0.26	0.26	1.0	Y	Yes	1	NA
	Selenium, Dissolved	7782-49-2	D	ug/L		U			0.22	0.22	2.0	N	Yes	1	NA
	Silver, Dissolved	7440-22-4	D	ug/L		U			0.046	0.046	0.40	N	Yes	1	NA
	Thallium, Dissolved	7440-28-0	D	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Zinc, Dissolved	7440-66-6	D	ug/L	2.8	J	RL		0.93	0.93	10.0	Y	Yes	1	NA
SW-846 6020B	Calcium, Dissolved	7440-70-2	D	mg/L	20.9				0.19	0.19	0.60	Y	Yes	3	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L		U	BE,BF		0.077	0.077	0.077	N	Yes	1	NA
SW-846 7470A	Mercury, Dissolved	7439-97-6	D	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA

Lab Sample ID	92760477009
Sys Sample Code	BR-03-24-Q4
Sample Name	BR-03-24-Q4
Sample Date	10/28/2024 2:10:00 PM
Location	BPS-SW-BR-03 / BR-03 (West Pond)
Sample Type	N
Matrix	SW
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
CHROM_III_CALC	Chromium, Trivalent, Dissolved	CHROMIUM, TRIVA	D	ug/L		U			10.0	10.0	10.0	N	Yes	1	NA
SM 2340B	Hardness, Total(SM 2340B), Dissolved	HARD	D	mg/L	67.4				1.6	1.6	2.7	Y	Yes	3	NA
SW-846 6020B	Antimony, Dissolved	7440-36-0	D	ug/L		U			0.10	0.10	1.0	N	Yes	1	NA
	Arsenic, Dissolved	7440-38-2	D	ug/L		U			0.17	0.17	1.0	N	Yes	1	NA
	Boron, Dissolved	7440-42-8	D	ug/L	18.3	J	RL		7.5	7.5	50.0	Y	Yes	1	NA
	Cadmium, Dissolved	7440-43-9	D	ug/L		U			0.037	0.037	0.10	N	Yes	1	NA
	Chromium, Dissolved	7440-47-3	D	ug/L		U			0.39	0.39	1.0	N	Yes	1	NA
	Cobalt, Dissolved	7440-48-4	D	ug/L	0.19	J	RL		0.14	0.14	1.0	Y	Yes	1	NA
	Copper, Dissolved	7440-50-8	D	ug/L	0.56	J	RL		0.55	0.55	2.0	Y	Yes	1	NA
	Lead, Dissolved	7439-92-1	D	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium, Dissolved	7439-93-2	D	ug/L	1.4	J	RL		0.33	0.33	2.5	Y	Yes	1	NA
	Magnesium, Dissolved	7439-95-4	D	mg/L	4.4				0.0042	0.0042	0.10	Y	Yes	1	NA
	Molybdenum, Dissolved	7439-98-7	D	ug/L	0.42	J	RL		0.075	0.075	1.0	Y	Yes	1	NA
	Nickel, Dissolved	7440-02-0	D	ug/L	0.82	J	RL		0.26	0.26	1.0	Y	Yes	1	NA
	Selenium, Dissolved	7782-49-2	D	ug/L		U			0.22	0.22	2.0	N	Yes	1	NA
	Silver, Dissolved	7440-22-4	D	ug/L		U			0.046	0.046	0.40	N	Yes	1	NA
	Thallium, Dissolved	7440-28-0	D	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Zinc, Dissolved	7440-66-6	D	ug/L	2.4	J	RL		0.93	0.93	10.0	Y	Yes	1	NA
SW-846 6020B	Calcium, Dissolved	7440-70-2	D	mg/L	19.8				0.19	0.19	0.60	Y	Yes	3	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L		U	BE,BF		0.095	0.095	0.095	N	Yes	1	NA
SW-846 7470A	Mercury, Dissolved	7439-97-6	D	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA

Lab Sample ID	92760477010
Sys Sample Code	BR-02-24-Q4
Sample Name	BR-02-24-Q4
Sample Date	10/28/2024 2:25:00 PM
Location	BPS-SW-BR-02 / BR-02 (West Pond)
Sample Type	N
Matrix	SW
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
CHROM_III_CALC	Chromium, Trivalent, Dissolved	CHROMIUM, TRIVA	D	ug/L		U			10.0	10.0	10.0	N	Yes	1	NA
SM 2340B	Hardness, Total(SM 2340B), Dissolved	HARD	D	mg/L	68.2				1.6	1.6	2.7	Y	Yes	3	NA
SW-846 6020B	Antimony, Dissolved	7440-36-0	D	ug/L		U			0.10	0.10	1.0	N	Yes	1	NA
	Arsenic, Dissolved	7440-38-2	D	ug/L		U			0.17	0.17	1.0	N	Yes	1	NA
	Boron, Dissolved	7440-42-8	D	ug/L	18.3	J	RL		7.5	7.5	50.0	Y	Yes	1	NA
	Cadmium, Dissolved	7440-43-9	D	ug/L		U			0.037	0.037	0.10	N	Yes	1	NA
	Chromium, Dissolved	7440-47-3	D	ug/L		U			0.39	0.39	1.0	N	Yes	1	NA
	Cobalt, Dissolved	7440-48-4	D	ug/L	0.28	J	RL		0.14	0.14	1.0	Y	Yes	1	NA
	Copper, Dissolved	7440-50-8	D	ug/L	0.82	J	RL		0.55	0.55	2.0	Y	Yes	1	NA
	Lead, Dissolved	7439-92-1	D	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium, Dissolved	7439-93-2	D	ug/L	1.4	J	RL		0.33	0.33	2.5	Y	Yes	1	NA
	Magnesium, Dissolved	7439-95-4	D	mg/L	4.4				0.0042	0.0042	0.10	Y	Yes	1	NA
	Molybdenum, Dissolved	7439-98-7	D	ug/L	0.43	J	RL		0.075	0.075	1.0	Y	Yes	1	NA
	Nickel, Dissolved	7440-02-0	D	ug/L	0.96	J	RL		0.26	0.26	1.0	Y	Yes	1	NA
	Selenium, Dissolved	7782-49-2	D	ug/L		U			0.22	0.22	2.0	N	Yes	1	NA
	Silver, Dissolved	7440-22-4	D	ug/L		U			0.046	0.046	0.40	N	Yes	1	NA
	Thallium, Dissolved	7440-28-0	D	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Zinc, Dissolved	7440-66-6	D	ug/L	2.2	J	RL		0.93	0.93	10.0	Y	Yes	1	NA
SW-846 6020B	Calcium, Dissolved	7440-70-2	D	mg/L	20.1				0.19	0.19	0.60	Y	Yes	3	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L		U	BE,BF		0.086	0.086	0.086	N	Yes	1	NA
SW-846 7470A	Mercury, Dissolved	7439-97-6	D	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA

Lab Sample ID	92760477011
Sys Sample Code	BR-01-24-Q4
Sample Name	BR-01-24-Q4
Sample Date	10/28/2024 2:40:00 PM
Location	BPS-SW-BR-01 / BR-01 (West Pond)
Sample Type	N
Matrix	SW
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
CHROM_III_CALC	Chromium, Trivalent, Dissolved	CHROMIUM, TRIVA	D	ug/L		U			10.0	10.0	10.0	N	Yes	1	NA
SM 2340B	Hardness, Total(SM 2340B), Dissolved	HARD	D	mg/L	67.7				1.6	1.6	2.7	Y	Yes	3	NA
SW-846 6020B	Antimony, Dissolved	7440-36-0	D	ug/L		U			0.10	0.10	1.0	N	Yes	1	NA
	Arsenic, Dissolved	7440-38-2	D	ug/L		U			0.17	0.17	1.0	N	Yes	1	NA
	Boron, Dissolved	7440-42-8	D	ug/L	18.5	J	RL		7.5	7.5	50.0	Y	Yes	1	NA
	Cadmium, Dissolved	7440-43-9	D	ug/L		U			0.037	0.037	0.10	N	Yes	1	NA
	Chromium, Dissolved	7440-47-3	D	ug/L		U			0.39	0.39	1.0	N	Yes	1	NA
	Cobalt, Dissolved	7440-48-4	D	ug/L	0.23	J	RL		0.14	0.14	1.0	Y	Yes	1	NA
	Copper, Dissolved	7440-50-8	D	ug/L	0.82	J	RL		0.55	0.55	2.0	Y	Yes	1	NA
	Lead, Dissolved	7439-92-1	D	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium, Dissolved	7439-93-2	D	ug/L	1.4	J	RL		0.33	0.33	2.5	Y	Yes	1	NA
	Magnesium, Dissolved	7439-95-4	D	mg/L	4.3				0.0042	0.0042	0.10	Y	Yes	1	NA
	Molybdenum, Dissolved	7439-98-7	D	ug/L	0.42	J	RL		0.075	0.075	1.0	Y	Yes	1	NA
	Nickel, Dissolved	7440-02-0	D	ug/L	0.87	J	RL		0.26	0.26	1.0	Y	Yes	1	NA
	Selenium, Dissolved	7782-49-2	D	ug/L		U			0.22	0.22	2.0	N	Yes	1	NA
	Silver, Dissolved	7440-22-4	D	ug/L		U			0.046	0.046	0.40	N	Yes	1	NA
	Thallium, Dissolved	7440-28-0	D	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Zinc, Dissolved	7440-66-6	D	ug/L	2.4	J	RL		0.93	0.93	10.0	Y	Yes	1	NA
SW-846 6020B	Calcium, Dissolved	7440-70-2	D	mg/L	20.0				0.19	0.19	0.60	Y	Yes	3	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L		U	BE,BF		0.075	0.075	0.075	N	Yes	1	NA
SW-846 7470A	Mercury, Dissolved	7439-97-6	D	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA

Lab Sample ID	92760477012
Sys Sample Code	JR-02-24-Q4
Sample Name	JR-02-24-Q4
Sample Date	10/28/2024 3:00:00 PM
Location	BPS-SW-JR-02 / JR-02 (Upstream)
Sample Type	N
Matrix	SW
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
CHROM_III_CALC	Chromium, Trivalent, Dissolved	CHROMIUM, TRIVA	D	ug/L		U			10.0	10.0	10.0	N	Yes	1	NA
SM 2340B	Hardness, Total(SM 2340B), Dissolved	HARD	D	mg/L	66.8				0.54	0.54	0.91	Y	Yes	1	NA
SW-846 6020B	Antimony, Dissolved	7440-36-0	D	ug/L		U			0.10	0.10	1.0	N	Yes	1	NA
	Arsenic, Dissolved	7440-38-2	D	ug/L		U			0.17	0.17	1.0	N	Yes	1	NA
	Boron, Dissolved	7440-42-8	D	ug/L	17.6	J	RL		7.5	7.5	50.0	Y	Yes	1	NA
	Cadmium, Dissolved	7440-43-9	D	ug/L		U			0.037	0.037	0.10	N	Yes	1	NA
	Calcium, Dissolved	7440-70-2	D	mg/L	19.7				0.063	0.063	0.20	Y	Yes	1	NA
	Chromium, Dissolved	7440-47-3	D	ug/L		U			0.39	0.39	1.0	N	Yes	1	NA
	Cobalt, Dissolved	7440-48-4	D	ug/L	0.19	J	RL		0.14	0.14	1.0	Y	Yes	1	NA
	Copper, Dissolved	7440-50-8	D	ug/L	0.56	J	RL		0.55	0.55	2.0	Y	Yes	1	NA
	Lead, Dissolved	7439-92-1	D	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium, Dissolved	7439-93-2	D	ug/L	1.4	J	RL		0.33	0.33	2.5	Y	Yes	1	NA
	Magnesium, Dissolved	7439-95-4	D	mg/L	4.3				0.0042	0.0042	0.10	Y	Yes	1	NA
	Molybdenum, Dissolved	7439-98-7	D	ug/L	0.40	J	RL		0.075	0.075	1.0	Y	Yes	1	NA
	Nickel, Dissolved	7440-02-0	D	ug/L	0.80	J	RL		0.26	0.26	1.0	Y	Yes	1	NA
	Selenium, Dissolved	7782-49-2	D	ug/L		U			0.22	0.22	2.0	N	Yes	1	NA
	Silver, Dissolved	7440-22-4	D	ug/L		U			0.046	0.046	0.40	N	Yes	1	NA
	Thallium, Dissolved	7440-28-0	D	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Zinc, Dissolved	7440-66-6	D	ug/L	2.4	J	RL		0.93	0.93	10.0	Y	Yes	1	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L		U	BE,BF		0.085	0.085	0.085	N	Yes	1	NA
SW-846 7470A	Mercury, Dissolved	7439-97-6	D	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA

Lab Sample ID	92760477013
Sys Sample Code	JR-01-24-Q4
Sample Name	JR-01-24-Q4
Sample Date	10/28/2024 3:20:00 PM
Location	BPS-SW-JR-01 / JR-01 (Upstream)
Sample Type	N
Matrix	SW
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
CHROM_III_CALC	Chromium, Trivalent, Dissolved	CHROMIUM, TRIVA	D	ug/L		UJ	H		10.0	10.0	10.0	N	Yes	1	NA
SM 2340B	Hardness, Total(SM 2340B), Dissolved	HARD	D	mg/L	67.6				0.54	0.54	0.91	Y	Yes	1	NA
SW-846 6020B	Antimony, Dissolved	7440-36-0	D	ug/L		U			0.10	0.10	1.0	N	Yes	1	NA
	Arsenic, Dissolved	7440-38-2	D	ug/L		U			0.17	0.17	1.0	N	Yes	1	NA
	Boron, Dissolved	7440-42-8	D	ug/L	18.0	J	RL		7.5	7.5	50.0	Y	Yes	1	NA
	Cadmium, Dissolved	7440-43-9	D	ug/L		U			0.037	0.037	0.10	N	Yes	1	NA
	Calcium, Dissolved	7440-70-2	D	mg/L	19.9				0.063	0.063	0.20	Y	Yes	1	NA
	Chromium, Dissolved	7440-47-3	D	ug/L		U			0.39	0.39	1.0	N	Yes	1	NA
	Cobalt, Dissolved	7440-48-4	D	ug/L	0.18	J	RL		0.14	0.14	1.0	Y	Yes	1	NA
	Copper, Dissolved	7440-50-8	D	ug/L		U			0.55	0.55	2.0	N	Yes	1	NA
	Lead, Dissolved	7439-92-1	D	ug/L		U			0.18	0.18	1.0	N	Yes	1	NA
	Lithium, Dissolved	7439-93-2	D	ug/L	1.3	J	RL		0.33	0.33	2.5	Y	Yes	1	NA
	Magnesium, Dissolved	7439-95-4	D	mg/L	4.3				0.0042	0.0042	0.10	Y	Yes	1	NA
	Molybdenum, Dissolved	7439-98-7	D	ug/L	0.42	J	RL		0.075	0.075	1.0	Y	Yes	1	NA
	Nickel, Dissolved	7440-02-0	D	ug/L	0.80	J	RL		0.26	0.26	1.0	Y	Yes	1	NA
	Selenium, Dissolved	7782-49-2	D	ug/L		U			0.22	0.22	2.0	N	Yes	1	NA
	Silver, Dissolved	7440-22-4	D	ug/L		U			0.046	0.046	0.40	N	Yes	1	NA
	Thallium, Dissolved	7440-28-0	D	ug/L		U			0.028	0.028	0.20	N	Yes	1	NA
	Zinc, Dissolved	7440-66-6	D	ug/L	2.4	J	RL		0.93	0.93	10.0	Y	Yes	1	NA
SW-846 7199	Chromium, Hexavalent	18540-29-9	D	ug/L		U	BE,BF,H		0.081	0.081	0.081	N	Yes	1	NA
SW-846 7470A	Mercury, Dissolved	7439-97-6	D	ug/L		U			0.12	0.12	0.20	N	Yes	1	NA