



Water Quality Laboratory

Inorganics Analyses

Period of 01/01/2025 TO 12/31/2025

Potomac River - Corbalis Water Treatment Plant Source Water

Date Report Generated: 1/06/2026

Parameter	Units ¹	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Limit ²
Aggressive Index Number	Units	12	-	12	12	11	11	11	12	12	12	12	-	N/A
Alkalinity, Bicarbonate	mg/L	102	-	90	78	51	77	95	114	123	122	145	-	0
Alkalinity, Carbonate	mg/L	0	-	0	0	0	0	0	0	8	11	0	-	0
Alkalinity, Hydroxyl	mg/L	0	-	0	0	0	0	0	0	0	0	0	-	0
Alkalinity, Phenolphthalein	mg/L	0	-	0	0	0	0	0	0	4	5	0	-	0
Alkalinity, Total	mg/L	102	-	90	78	51	77	95	114	131	132	145	-	0
Bromate	µg/L	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	5
Bromide	mg/L	0.03	0.03	0.01	BQL	BQL	0.02	0.02	0.02	0.02	0.03	0.02	0.04	0.01
Carbon Dioxide	mg/L	2	-	1	1	2	4	6	1	1	2	2	-	N/A
Chloride	mg/L	17.5	-	18.4	14.8	7.3	16.2	17.4	15.6	24.3	26.4	25.4	-	5.0
Color	Units	2.5	-	5.0	2.5	35	20	20	5.0	2.5	2.5	5.0	-	0
Dissolved Oxygen	mg/L	13.9	-	10.8	12.0	9.0	6.6	7.3	7.5	8.9	8.2	8.3	-	0.0
Fluoride	mg/L	BQL	-	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	-	0.2
Hardness, Calcium	mg/L	101	-	86	74	51	70	80	96	115	115	136	-	10
Hardness, Total	mg/L	135	-	120	101	71	103	110	140	174	178	196	-	10
Methylene Blue Activated Substances	mg/L	-	-	-	-	-	-	BQL	-	-	-	-	-	0.05
N, Ammonia (Ammonia as N)	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.20
N, Nitrate (Nitrate as N)	mg/L	1.09	-	0.99	1.01	0.67	0.68	1.07	0.84	0.92	0.64	0.76	-	0.20
N, Nitrite (Nitrite as N)	mg/L	BQL	-	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	-	0.01
pH	Units	8.1	-	8.4	8.1	7.7	7.6	7.5	8.2	8.3	8.0	8.2	-	N/A
Phosphate as Phosphorous	mg/L	BQL	-	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	-	0.10
Orthophosphate as PO ₄	mg/L	BQL	-	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	-	0.31
Solids, Total	mg/L	-	-	199	183	-	-	364	-	-	370	257	-	1
Solids, Total Dissolved	mg/L	-	-	172	104	-	-	170	-	-	222	230	-	1
Solids, Total Suspended	mg/L	-	-	10	BQL	-	-	176	-	-	163	87	-	1
Specific Conductivity	µmhos/cm	318	-	286	251	156	240	261	316	404	415	447	-	0
Sulfate	mg/L	32.7	-	22.5	20.0	12.6	17.2	11.6	23.6	39.4	43.5	46.8	-	5.0
Temperature	°C	2.9	-	10.4	12.8	19.4	23.9	27.9	26.9	22.6	20.9	13.0	-	N/A
Threshold Odor Number	Units	-	-	-	-	-	-	-	-	-	-	-	-	0
Total Organic Carbon	mg/L	1.6	-	2.0	2.1	6.7	3.7	4.3	2.6	2.1	2.6	2.8	-	0.5
Turbidity	NTU	2.3	-	9.3	22	110	24	90	50	40	65	55	-	0.05

BQL = The lowest quantitation limit of all analyses for the particular parameter: Below Quantitation Limit

¹mg/L = milligrams per liter, µg/L = micrograms per liter, µmhos/cm = micromhos per centimeter, NTU = Nephelometric Turbidity Units

²Quant Limit = Quantitation Limit : lowest level of measurement, N/A = not applicable

- Not sampled

* Analysis pending



Water Quality Laboratory

Metal Analyses

Period of 01/01/2025 TO 12/31/2025

Potomac River - Corbalis Water Treatment Plant Source Water

Date Report Generated: 1/06/2026

Parameter	Units ¹	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Limit ²
Aluminum	µg/L	40.0	-	-	103	-	-	6720	-	-	2220	-	-	25.0
Antimony	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	2.0
Arsenic	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	2.0
Barium	µg/L	34.4	-	-	34.5	-	-	96.1	-	-	68.6	-	-	25.0
Beryllium	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	2.0
Cadmium	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	2.0
Calcium	mg/L	38.3	-	-	28.9	-	-	31.9	-	-	44.6	-	-	1.0
Chromium	µg/L	BQL	-	-	BQL	-	-	12.0	-	-	BQL	-	-	5.0
Copper	µg/L	41.7	-	BQL	BQL	BQL	BQL	136	BQL	BQL	BQL	BQL	-	25.0
Iron	µg/L	80.4	-	333	197	4010	1430	7760	2150	1750	3250	5990	-	25.0
Lead	µg/L	BQL	-	-	BQL	-	-	7.8	-	-	2.8	-	-	2.0
Magnesium	mg/L	8.9	-	-	6.8	-	-	8.8	-	-	15.8	-	-	1.0
Manganese	µg/L	BQL	-	BQL	BQL	87.6	76.2	884	175	121	161	333	-	25.0
Mercury	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	0.50
Nickel	µg/L	BQL	-	-	BQL	-	-	8.5	-	-	BQL	-	-	5.0
Potassium	mg/L	2.1	-	-	1.8	-	-	3.6	-	-	3.7	-	-	1.0
Selenium	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	5.0
Silicon	mg/L	1.3	-	-	2.6	-	-	11.9	-	-	4.0	-	-	1.0
Silver	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	5.0
Sodium	mg/L	10.9	7.0	10.7	8.8	5.1	9.8	10.7	10.1	14.4	16.2	16.3	15.7	1.0
Thallium	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	2.0
Zinc	µg/L	BQL	-	-	BQL	-	-	58.9	-	-	BQL	-	-	25.0

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¹mg/L = milligrams per liter, µg/L = micrograms per liter

²Quant Limit = Quantitation Limit : lowest level of measurement

- Not sampled

* Analysis pending