



Water Quality Laboratory

Inorganics Analyses

Period of 01/01/2024 TO 12/31/2024

Potomac River - Corbalis Water Treatment Plant Source Water

Date Report Generated: 1/10/2025

Parameter	Units ¹	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Limit ²
Aggressive Index Number	Units	10	12	11	11	12	12	12	12	13	12	12	-	N/A
Alkalinity, Bicarbonate	mg/L	30	70	66	78	125	115	90	85	124	89	135	-	0
Alkalinity, Carbonate	mg/L	0	0	0	0	0	0	0	0	4	0	0	-	0
Alkalinity, Hydroxyl	mg/L	0	0	0	0	0	0	0	0	0	0	0	-	0
Alkalinity, Phenolphthalein	mg/L	0	0	0	0	0	0	0	0	2	0	0	-	0
Alkalinity, Total	mg/L	30	70	66	78	125	115	90	85	127	89	135	-	0
Bromate	µg/L	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	5
Bromide	mg/L	0.01	0.03	0.01	0.02	0.02	0.03	0.04	0.02	0.03	0.03	0.07	0.03	0.01
Carbon Dioxide	mg/L	3	2	2	3	2	1	1	3	1	2	2	-	N/A
Chloride	mg/L	15.7	37.3	21.3	20.0	13.7	15.6	26.6	14.2	23.8	14.1	30.8	-	5.0
Color	Units	60	10	15	10	7.5	5.0	7.5	40	5.0	10	7.5	-	0
Dissolved Oxygen	mg/L	10.5	12.0	10.5	8.9	9.1	8.3	11.2	7.6	8.4	8.6	8.9	-	0.0
Fluoride	mg/L	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	-	0.2
Hardness, Calcium	mg/L	26	78	64	75	116	114	84	80	134	76	112	-	10
Hardness, Total	mg/L	38	109	89	104	172	158	142	110	185	104	167	-	10
Methylene Blue Activated Substances	mg/L	-	-	-	-	-	-	BQL	-	-	-	-	-	0.05
N, Ammonia (Ammonia as N)	mg/L	BQL	BQL	BQL	BQL	BQL	BQL	BQL	-	-	-	-	-	0.20
N, Nitrate (Nitrate as N)	mg/L	0.47	1.36	1.04	0.82	0.98	0.83	0.30	1.40	1.02	1.12	0.75	-	0.20
N, Nitrite (Nitrite as N)	mg/L	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.03	BQL	BQL	BQL	-	0.01
pH	Units	7.3	7.8	7.8	7.7	8.2	8.2	8.1	7.8	8.3	7.9	8.1	-	N/A
Phosphate as Phosphorous	mg/L	BQL	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	BQL	-	0.31
Solids, Total	mg/L	181	186	172	168	579	208	252	-	-	176	-	-	1
Solids, Total Dissolved	mg/L	106	188	136	146	188	224	206	-	-	130	-	-	1
Solids, Total Suspended	mg/L	67	10	26	22	311	3	32	-	-	18	-	-	1
Specific Conductivity	µmhos/cm	126	308	236	260	338	351	356	256	412	252	425	-	0
Sulfate	mg/L	5.3	18.3	14.2	17.8	29.4	38.8	43.0	16.7	44.0	13.4	27.5	-	5.0
Temperature	°C	8.9	7.1	10.1	16.0	19.2	24.6	29.8	25.1	24.2	18.8	17.1	-	N/A
Threshold Odor Number	Units	9	5	7	7	48	14	117	-	-	-	-	-	0
Total Organic Carbon	mg/L	7.3	2.0	2.9	2.3	2.8	2.2	2.6	5.6	3.2	3.3	2.6	-	0.5
Turbidity	NTU	95	5.5	17	13	280	3.4	20	23	130	16	12	-	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 01/01/2024 TO 12/31/2024

Potomac River - Corbalis Water Treatment Plant Source Water

Date Report Generated: 1/10/2025

Parameter	Units ¹	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Limit ²
Aluminum	µg/L	3890	-	-	649	-	-	342	-	-	84.4	-	-	25.0
Antimony	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	2.0
Arsenic	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	2.0
Barium	µg/L	43.3	-	-	37.6	-	-	49.1	-	-	29.5	-	-	25.0
Beryllium	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	2.0
Cadmium	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	2.0
Calcium	mg/L	10.7	-	-	28.5	-	-	34.2	-	-	31.4	-	-	1.0
Chromium	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	5.0
Copper	µg/L	31.4	55.4	BQL	71.1	52.0	BQL	BQL	44.2	BQL	36.0	623	-	25.0
Iron	µg/L	4140	416	1020	796	13600	92.6	569	593	2550	815	1440	-	25.0
Lead	µg/L	2.4	-	-	0.52	-	-	BQL	-	-	BQL	-	-	2.0
Magnesium	mg/L	3.6	-	-	7.4	-	-	14.2	-	-	7.2	-	-	1.0
Manganese	µg/L	175	40.9	54.2	54.4	1020	167	166	223	215	42.4	126	-	25.0
Mercury	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	0.50
Nickel	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	5.0
Potassium	mg/L	2.8	-	-	2.0	-	-	3.5	-	-	3.0	-	-	1.0
Selenium	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	5.0
Silicon	mg/L	7.9	-	-	3.6	-	-	5.8	-	-	5.8	-	-	1.0
Silver	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	5.0
Sodium	mg/L	10.4	18.0	11.3	11.7	9.8	9.7	17.1	9.4	15.9	9.5	19.0	13.0	1.0
Thallium	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	2.0
Zinc	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	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