



Water Quality Laboratory

Inorganics Analyses

Period of 01/01/2026 TO 12/31/2026

Distribution Site Representing Corbalis Treatment Plant

Date Report Generated: 5/29/2026

Parameter	MCL ¹	Units ²	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Quant Limit ³
Aggressive Index Number		Units	11	-	11	11	-	-	-	-	-	-	-	-	N/A
Alkalinity, Bicarbonate		mg/L	117	-	69	99	-	-	-	-	-	-	-	-	0
Alkalinity, Carbonate		mg/L	0	-	0	0	-	-	-	-	-	-	-	-	0
Alkalinity, Hydroxyl		mg/L	0	-	0	0	-	-	-	-	-	-	-	-	0
Alkalinity, Phenolphthalein		mg/L	0	-	0	0	-	-	-	-	-	-	-	-	0
Alkalinity, Total		mg/L	117	-	69	99	-	-	-	-	-	-	-	-	0
Bromide		mg/L	0.01	-	0.02	0.02	-	-	-	-	-	-	-	-	0.01
Carbon Dioxide		mg/L	15	-	14	10	-	-	-	-	-	-	-	-	N/A
Chloride	250 S	mg/L	29.5	-	55.4	33.3	-	-	-	-	-	-	-	-	5.0
Chlorine, Free		mg/L	0.1	-	0.2	3.3	-	-	-	-	-	-	-	-	0.0
Chlorine, Total		mg/L	3.6	-	3.4	3.5	-	-	-	-	-	-	-	-	0.0
Color	15 S	Units	0	-	0	0	-	-	-	-	-	-	-	-	0
Dissolved Oxygen		mg/L	15.3	-	13.8	14.2	-	-	-	-	-	-	-	-	0.0
Fluoride	4.0 P / 2.0 S	mg/L	0.7	-	0.7	0.6	*	-	-	-	-	-	-	-	0.2
Hardness, Calcium		mg/L	120	-	78	98	-	-	-	-	-	-	-	-	10
Hardness, Total		mg/L	170	-	112	141	-	-	-	-	-	-	-	-	10
Methylene Blue Activated Substances	0.5 S	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.05
N, Ammonia (Ammonia as N)		mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.20
N, Nitrate (Nitrate as N)	10 P	mg/L	1.11	-	-	0.61	-	-	-	-	-	-	-	-	0.20
N, Nitrite (Nitrite as N)	1 P	mg/L	-	-	BQL	BQL	-	-	-	-	-	-	-	-	0.01
pH	6.5 - 8.5 S	Units	7.2	-	7.0	7.3	-	-	-	-	-	-	-	-	N/A
Phosphate as Phosphorous		mg/L	0.37	-	0.40	0.44	-	-	-	-	-	-	-	-	0.10
Orthophosphate as PO ₄		mg/L	1.14	-	1.21	1.34	-	-	-	-	-	-	-	-	0.31
Solids, Total		mg/L	250	-	-	221	-	-	-	-	-	-	-	-	1
Solids, Total Dissolved	500 S	mg/L	250	-	-	214	-	-	-	-	-	-	-	-	1
Solids, Total Suspended		mg/L	BQL	-	-	BQL	-	-	-	-	-	-	-	-	1
Specific Conductivity		µmhos/cm	441	-	383	380	-	-	-	-	-	-	-	-	0
Sulfate	250 S	mg/L	53.7	-	26.8	37.6	-	-	-	-	-	-	-	-	5.0
Taste		Units	-	-	-	-	-	-	-	-	-	-	-	-	1
Temperature		°C	5.5	-	6.7	17.6	-	-	-	-	-	-	-	-	N/A
Threshold Odor Number	3 S	Units	-	-	-	-	-	-	-	-	-	-	-	-	0
Total Organic Carbon		mg/L	1.3	-	1.7	1.5	-	-	-	-	-	-	-	-	0.5
Turbidity	≤ 5 P	NTU	0.05	-	0.05	0.05	-	-	-	-	-	-	-	-	0.05

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

¹Environmental Protection Agency/Virginia Department of Health established levels for drinking water at points of entry to the water distribution system

P = Primary - enforceable, S = Secondary - non-enforceable, AL = Action Level on specific taps, MCL = Maximum Contaminant Level

²mg/L = milligrams per liter, µg/L = micrograms per liter, µmhos/cm = micromhos per centimeter, NTU = Nephelometric Turbidity Units

³Quant Limit = Quantitation Limit : lowest level of measurement, N/A = not applicable

- Not sampled

* Analysis pending



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Metal Analyses

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Aluminum	50 - 200 S	µg/L	BQL	-	-	29.2	-	-	-	-	-	-	-	-	25.0
Antimony	6 P	µg/L	BQL	-	-	BQL	-	-	-	-	-	-	-	-	2.0
Arsenic	10 P	µg/L	BQL	-	-	BQL	-	-	-	-	-	-	-	-	2.0
Barium	2000 P	µg/L	38.0	-	-	42.6	-	-	-	-	-	-	-	-	25.0
Beryllium	4 P	µg/L	BQL	-	-	BQL	-	-	-	-	-	-	-	-	2.0
Cadmium	5 P	µg/L	BQL	-	-	BQL	-	-	-	-	-	-	-	-	2.0
Calcium		mg/L	46.9	-	-	39.8	-	-	-	-	-	-	-	-	1.0
Chromium	100 P	µg/L	BQL	-	-	BQL	-	-	-	-	-	-	-	-	5.0
Copper	1300 AL	µg/L	BQL	-	BQL	BQL	-	-	-	-	-	-	-	-	25.0
Iron	300 S	µg/L	BQL	-	BQL	BQL	-	-	-	-	-	-	-	-	25.0
Lead	15 AL	µg/L	BQL	-	-	BQL	-	-	-	-	-	-	-	-	2.0
Magnesium		mg/L	12.0	-	-	9.8	-	-	-	-	-	-	-	-	1.0
Manganese	50 S	µg/L	BQL	-	BQL	BQL	-	-	-	-	-	-	-	-	25.0
Mercury	2 P	µg/L	BQL	-	-	BQL	-	-	-	-	-	-	-	-	0.50
Nickel	100 P	µg/L	BQL	-	-	BQL	-	-	-	-	-	-	-	-	5.0
Potassium		mg/L	2.7	-	-	2.7	-	-	-	-	-	-	-	-	1.0
Selenium	50 P	µg/L	BQL	-	-	BQL	-	-	-	-	-	-	-	-	5.0
Silicon		mg/L	BQL	-	-	1.6	-	-	-	-	-	-	-	-	1.0
Silver	100 S	µg/L	BQL	-	-	BQL	-	-	-	-	-	-	-	-	5.0
Sodium		mg/L	18.2	-	28.2	18.6	-	-	-	-	-	-	-	-	1.0
Thallium	2 P	µg/L	BQL	-	-	BQL	-	-	-	-	-	-	-	-	2.0
Zinc	5000 S	µg/L	BQL	-	-	BQL	-	-	-	-	-	-	-	-	25.0

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