



Water Quality Laboratory

Inorganics Analyses

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

Distribution Site Representing Corbalis Treatment Plant

Date Report Generated: 1/06/2026

Parameter	MCL ¹	Units ²	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Quant Limit ³
Aggressive Index Number		Units	11	-	11	11	11	11	11	11	11	11	11	-	N/A
Alkalinity, Bicarbonate		mg/L	90	-	87	70	53	76	87	97	116	114	126	-	0
Alkalinity, Carbonate		mg/L	0	-	0	0	0	0	0	0	0	0	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	0	0	0	-	0
Alkalinity, Total		mg/L	90	-	87	70	53	76	87	97	116	114	126	-	0
Bromide		mg/L	0.02	-	0.02	BQL	BQL	BQL	BQL	BQL	0.01	0.01	0.01	-	0.01
Carbon Dioxide		mg/L	11	-	5	6	4	10	11	15	15	14	16	-	N/A
Chloride	250 S	mg/L	24.4	-	22.8	21.6	55.3	25.7	27.8	24.8	31.4	33.8	31.4	-	5.0
Chlorine, Free		mg/L	0.3	-	0.1	2.0	0.2	0.3	0.3	0.2	0.3	0.3	0.4	-	0.0
Chlorine, Total		mg/L	3.7	-	3.2	2.2	3.1	3.2	2.9	2.8	3.8	3.6	3.6	-	0.0
Color	15 S	Units	0	-	0	0	0	0	0	0	0	0	0	-	0
Dissolved Oxygen		mg/L	16.5	-	12.6	14.6	14.3	10.3	13.4	12.4	12.2	12.2	11.6	-	0.0
Fluoride	4.0 P / 2.0 S	mg/L	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.2
Hardness, Calcium		mg/L	99	-	96	78	56	72	78	98	114	112	129	-	10
Hardness, Total		mg/L	134	-	131	106	77	100	105	139	172	171	184	-	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	1.09	-	1.14	0.81	0.55	0.64	1.10	0.83	0.95	0.64	0.68	-	0.20
N, Nitrite (Nitrite as N)	1 P	mg/L	0.01	-	0.01	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	-	0.01
pH	6.5 - 8.5 S	Units	7.2	-	7.5	7.4	7.4	7.2	7.2	7.1	7.2	7.2	7.2	-	N/A
Phosphate as Phosphorous		mg/L	0.42	-	0.42	0.42	0.45	0.44	0.43	0.40	0.40	0.39	0.38	-	0.10
Orthophosphate as PO ₄		mg/L	1.28	-	1.28	1.28	1.39	1.33	1.32	1.21	1.23	1.18	1.16	-	0.31
Solids, Total		mg/L	-	-	224	168	-	-	169	-	-	264	226	-	1
Solids, Total Dissolved	500 S	mg/L	-	-	196	150	-	-	178	-	-	230	258	-	1
Solids, Total Suspended		mg/L	-	-	BQL	BQL	-	-	BQL	-	-	BQL	BQL	-	1
Specific Conductivity		µmhos/cm	340	-	329	276	323	279	284	355	439	450	475	-	0
Sulfate	250 S	mg/L	41.6	-	35.1	27.9	10.2	18.9	12.1	39.1	53.0	57.7	62.3	-	5.0
Taste		Units	-	-	-	-	-	-	-	-	-	-	-	-	1
Temperature		°C	3.4	-	9.2	13.9	20.7	22.4	27.2	27.0	23.7	21.2	14.6	-	N/A
Threshold Odor Number	3 S	Units	-	-	-	-	-	-	-	-	-	-	-	-	0
Total Organic Carbon		mg/L	1.1	-	1.3	1.7	2.2	1.9	2.4	1.6	1.4	1.3	1.3	-	0.5
Turbidity	≤ 5 P	NTU	0.05	-	0.10	0.10	0.15	0.05	0.05	0.10	0.10	0.10	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	-	-	BQL	-	-	72.0	-	-	49.1	-	-	25.0
Antimony	6 P	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	2.0
Arsenic	10 P	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	2.0
Barium	2000 P	µg/L	30.9	-	-	28.7	-	-	35.9	-	-	44.8	-	-	25.0
Beryllium	4 P	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	2.0
Cadmium	5 P	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	2.0
Calcium		mg/L	44.2	-	-	31.2	-	-	27.7	-	-	43.7	-	-	1.0
Chromium	100 P	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	5.0
Copper	1300 AL	µg/L	BQL	-	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	-	25.0
Iron	300 S	µg/L	BQL	-	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	-	25.0
Lead	15 AL	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	2.0
Magnesium		mg/L	10.5	-	-	6.7	-	-	6.4	-	-	15.2	-	-	1.0
Manganese	50 S	µg/L	BQL	-	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	-	25.0
Mercury	2 P	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	0.50
Nickel	100 P	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	5.0
Potassium		mg/L	2.3	-	-	1.9	-	-	2.8	-	-	3.5	-	-	1.0
Selenium	50 P	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	5.0
Silicon		mg/L	1.4	-	-	2.2	-	-	3.8	-	-	BQL	-	-	1.0
Silver	100 S	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	5.0
Sodium		mg/L	14.5	-	13.3	12.7	28.9	15.3	13.9	14.8	19.5	20.8	20.4	-	1.0
Thallium	2 P	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	2.0
Zinc	5000 S	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	25.0

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