



Water Quality Laboratory

Inorganics Analyses

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

Distribution Site Representing Griffith 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	10	-	11	11	11	-	N/A
Alkalinity, Bicarbonate		mg/L	75	-	38	65	65	65	49	52	62	75	79	-	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	75	-	38	65	65	65	49	52	62	75	79	-	0
Bromide		mg/L	0.04	-	0.02	0.02	0.01	0.01	BQL	BQL	0.01	0.02	0.02	-	0.01
Carbon Dioxide		mg/L	6	-	3	3	10	4	6	-	10	12	10	-	N/A
Chloride	250 S	mg/L	57.1	-	122.3	110.6	86.0	60.4	37.7	35.6	43.3	54.9	63.0	-	5.0
Chlorine, Free		mg/L	0.1	-	0.1	3.3	0.3	0.3	0.3	-	0.2	0.3	0.2	-	0.0
Chlorine, Total		mg/L	3.3	-	3.0	3.7	3.3	3.0	3.3	-	3.3	3.1	3.5	-	0.0
Color	15 S	Units	0	-	0	0	0	0	0	0	0	0	0	-	0
Dissolved Oxygen		mg/L	16.6	-	19.5	17.4	13.7	16.5	15.3	-	10.5	14.1	15.2	-	0.0
Fluoride	4.0 P / 2.0 S	mg/L	0.4	0.6	0.6	0.7	0.6	BQL	0.7	0.6	0.7	0.6	0.7	0.6	0.2
Hardness, Calcium		mg/L	104	-	59	90	77	64	37	38	54	82	105	-	10
Hardness, Total		mg/L	136	-	83	126	106	90	52	55	73	107	136	-	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	1.59	-	0.82	1.28	1.01	1.03	0.60	0.43	0.63	1.52	1.85	-	0.20
N, Nitrite (Nitrite as N)	1 P	mg/L	0.01	-	BQL	BQL	0.01	BQL	0.01	BQL	BQL	BQL	BQL	-	0.01
pH	6.5 - 8.5 S	Units	7.4	-	7.4	7.7	7.1	7.5	7.2	-	7.1	7.1	7.2	-	N/A
Phosphate as Phosphorous		mg/L	0.48	-	0.49	0.45	0.46	0.48	0.45	0.44	0.43	0.44	0.41	-	0.10
Orthophosphate as PO ₄		mg/L	1.47	-	1.50	1.37	1.39	1.47	1.37	1.35	1.32	1.34	1.26	-	0.31
Solids, Total		mg/L	-	-	304	326	-	-	137	-	-	253	249	-	1
Solids, Total Dissolved	500 S	mg/L	-	-	282	360	-	-	152	-	-	216	292	-	1
Solids, Total Suspended		mg/L	-	-	BQL	BQL	-	-	BQL	-	-	BQL	BQL	-	1
Specific Conductivity		µmhos/cm	476	-	450	581	490	395	248	251	321	423	523	-	0
Sulfate	250 S	mg/L	62.1	-	16.3	35.4	28.4	21.7	10.8	11.0	21.5	42.6	63.8	-	5.0
Taste		Units	-	-	-	-	-	-	-	-	-	-	-	-	1
Temperature		°C	4.2	-	8.2	13.1	18.6	21.0	24.9	-	23.5	19.7	15.9	-	N/A
Threshold Odor Number	3 S	Units	-	-	-	-	-	-	-	-	-	-	-	-	0
Total Organic Carbon		mg/L	2.3	-	2.3	2.2	2.6	2.4	2.1	2.1	1.7	2.0	2.2	-	0.5
Turbidity	≤ 5 P	NTU	0.05	-	0.10	0.05	0.10	0.05	0.05	0.05	0.05	0.05	0.10	-	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	-	-	BQL	-	-	BQL	-	-	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	33.2	-	-	41.8	-	-	BQL	-	-	41.1	-	-	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	45.8	-	-	34.9	-	-	14.4	-	-	31.6	-	-	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	9.4	-	-	8.5	-	-	4.0	-	-	6.5	-	-	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	9.2	-	-	4.9	-	-	3.5	-	-	7.4	-	-	1.0
Selenium	50 P	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	5.0
Silicon		mg/L	2.2	-	-	2.4	-	-	3.7	-	-	3.5	-	-	1.0
Silver	100 S	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	5.0
Sodium		mg/L	34.2	-	67.4	59.6	47.6	39.0	26.5	25.8	30.4	38.3	41.4	-	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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