



Water Quality Laboratory

Inorganics Analyses

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

Griffith Treatment Plant Finished Water

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	11	-	N/A
Alkalinity, Bicarbonate		mg/L	75	-	38	65	65	66	48	52	61	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	66	48	52	61	75	79	-	0
Bromate ⁴	10 P	µg/L	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	5	BQL	BQL	5
Bromide		mg/L	0.04	-	0.02	0.03	BQL	0.01	BQL	BQL	0.01	0.02	0.02	-	0.01
Carbon Dioxide		mg/L	5	-	2	4	7	4	6	5	8	15	13	-	N/A
Chloride	250 S	mg/L	57.1	-	121.5	110.5	84.8	61.7	36.5	35.3	42.9	54.5	62.9	-	5.0
Chlorine, Free ⁴		mg/L	0.2	-	0.2	3.6	0.2	0.3	0.3	-	0.4	0.3	0.2	-	0.0
Chlorine, Total ⁴		mg/L	3.5	-	3.3	3.8	3.3	3.3	3.7	-	3.5	3.5	3.7	-	0.0
Color	15 S	Units	0	-	0	0	0	0	0	0	0	0	0	-	0
Dissolved Oxygen		mg/L	16.3	-	19.9	18.8	14.8	16.0	15.3	-	11.3	16.2	16.1	-	0.0
Fluoride	4.0 P / 2.0 S	mg/L	0.4	-	0.6	0.7	0.6	BQL**	0.8	0.6	0.7	0.6	0.7	-	0.2
Hardness, Calcium		mg/L	105	-	59	89	76	64	36	37	53	82	104	-	10
Hardness, Total		mg/L	137	-	83	126	106	91	51	51	72	107	135	-	10
Methylene Blue Activated Substances	0.5 S	mg/L	-	-	-	-	-	-	BQL	-	-	-	-	-	0.05
N, Ammonia (Ammonia as N) ⁴		mg/L	-	-	-	-	-	0.69	-	-	-	-	-	-	0.20
N, Nitrate (Nitrate as N)	10 P	mg/L	1.59	-	0.82	1.27	1.01	1.01	0.59	0.42	0.62	1.50	1.85	-	0.20
N, Nitrite (Nitrite as N)	1 P	mg/L	0.01	-	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	-	0.01
pH	6.5 - 8.5 S	Units	7.5	-	7.7	7.5	7.3	7.5	7.2	-	7.2	7.0	7.1	-	N/A
Phosphate as Phosphorous		mg/L	0.49	-	0.49	0.45	0.46	0.48	0.46	0.45	0.43	0.44	0.42	-	0.10
Orthophosphate as PO ₄		mg/L	1.49	-	1.51	1.38	1.41	1.45	1.40	1.36	1.31	1.33	1.28	-	0.31
Solids, Total		mg/L	-	-	318	348	-	-	123	-	-	240	242	-	1
Solids, Total Dissolved	500 S	mg/L	-	-	280	304	-	-	164	-	-	206	292	-	1
Solids, Total Suspended		mg/L	-	-	BQL	BQL	-	-	BQL	-	-	BQL	BQL	-	1
Specific Conductivity		µmhos/cm	474	-	538	576	480	389	246	251	318	433	522	-	0
Sulfate	250 S	mg/L	62.0	-	16.4	35.2	28.1	21.9	10.9	10.9	21.4	42.2	63.5	-	5.0
Taste		Units	-	-	-	-	-	-	-	-	-	-	-	-	1
Temperature		°C	9.8	-	12.2	15.4	18.8	21.7	24.8	-	22.6	21.6	17.3	-	N/A
Threshold Odor Number	3 S	Units	-	-	-	-	-	-	-	-	-	-	-	-	0
Total Organic Carbon		mg/L	2.4	-	2.3	2.2	2.5	2.4	2.0	2.1	1.7	2.1	2.1	-	0.5
Turbidity	≤ 5 P	NTU	0.05	-	0.05	0.05	0.05	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

⁴Monthly result composed from an average of parameter results for finished water points of entry to distribution system

* Analysis pending



Water Quality Laboratory

Metal Analyses

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

Griffith Treatment Plant Finished Water

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
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	33.0	-	-	41.5	-	-	BQL	-	-	40.7	-	-	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	43.1	-	-	34.8	-	-	13.9	-	-	32.0	-	-	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	9.0	-	-	8.5	-	-	4.0	-	-	6.6	-	-	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	8.6	-	-	4.8	-	-	3.4	-	-	7.5	-	-	1.0
Selenium	50 P	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	5.0
Silicon		mg/L	2.3	-	-	2.4	-	-	3.6	-	-	3.5	-	-	1.0
Silver	100 S	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	5.0
Sodium		mg/L	34.9	-	67.4	59.8	46.9	38.9	26.1	25.7	30.2	38.2	41.7	-	1.0
Thallium	2 P	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	2.0
Zinc	5000 S	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	25.0

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

³Quant Limit = Quantitation Limit : lowest level of measurement

- Not sampled

* Analysis pending