



Water Quality Laboratory

Inorganics Analyses

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

Distribution Site Representing Washington Aqueduct Service Area

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	12	-	11	11	11	11	11	11	11	12	12	-	N/A
Alkalinity, Bicarbonate		mg/L	81	-	64	71	65	59	81	85	104	106	109	-	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	81	-	64	71	65	59	81	85	104	106	109	-	0
Bromide		mg/L	0.01	-	0.02	0.02	BQL	BQL	BQL	BQL	0.01	0.01	0.01	-	0.01
Carbon Dioxide		mg/L	3	-	4	3	3	2	5	5	8	7	7	-	N/A
Chloride	250 S	mg/L	38.2	-	40.7	42.0	39.6	24.4	32.5	32.6	37.2	43.0	42.7	-	5.0
Chlorine, Free		mg/L	0.1	-	0.2	2.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	-	0.0
Chlorine, Total		mg/L	3.0	-	3.0	2.4	3.0	3.1	3.1	3.0	2.9	2.9	3.3	-	0.0
Color	15 S	Units	0	-	0	0	0	0	0	0	0	0	0	-	0
Dissolved Oxygen		mg/L	14.1	-	11.7	11.0	8.4	9.3	8.1	10.1	8.9	9.4	10.2	-	0.0
Fluoride	4.0 P / 2.0 S	mg/L	0.6	-	0.7	0.7	0.4	0.7	0.7	0.7	0.6	0.6	0.7	-	0.2
Hardness, Calcium		mg/L	96	-	85	88	79	71	97	104	114	118	118	-	10
Hardness, Total		mg/L	132	-	115	121	109	96	130	141	165	169	168	-	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	1.37	-	1.43	0.99	0.74	1.16	1.09	0.82	0.84	0.73	0.67	-	0.20
N, Nitrite (Nitrite as N)	1 P	mg/L	BQL	-	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	-	0.01
pH	6.5 - 8.5 S	Units	7.7	-	7.5	7.7	7.6	7.7	7.5	7.5	7.4	7.5	7.5	-	N/A
Phosphate as Phosphorous		mg/L	0.78	-	0.82	0.77	0.77	0.78	0.79	0.76	0.75	0.77	0.72	-	0.10
Orthophosphate as PO ₄		mg/L	2.38	-	2.50	2.35	2.34	2.39	2.42	2.32	2.28	2.34	2.20	-	0.31
Solids, Total		mg/L	-	-	228	259	-	-	216	-	-	282	217	-	1
Solids, Total Dissolved	500 S	mg/L	-	-	198	188	-	-	216	-	-	232	210	-	1
Solids, Total Suspended		mg/L	-	-	BQL	BQL	-	-	BQL	-	-	BQL	BQL	-	1
Specific Conductivity		µmhos/cm	376	-	354	364	352	299	371	395	450	470	477	-	0
Sulfate	250 S	mg/L	41.5	-	35.6	39.7	38.8	39.6	48.9	53.9	59.0	60.6	57.6	-	5.0
Taste		Units	-	-	-	-	-	-	-	-	-	-	-	-	1
Temperature		°C	3.2	-	11.9	14.6	21.3	22.6	27.5	26.8	23.6	21.5	15.2	-	N/A
Threshold Odor Number	3 S	Units	-	-	-	-	-	-	-	-	-	-	-	-	0
Total Organic Carbon		mg/L	1.5	-	1.5	1.9	2.2	1.8	1.9	1.9	1.6	1.6	1.5	-	0.5
Turbidity	≤ 5 P	NTU	0.05	-	0.10	0.10	0.05	0.10	0.10	0.15	0.15	0.10	0.20	-	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	-	-	37.6	-	-	594	-	-	74.6	-	-	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	31.1	-	-	35.7	-	-	44.6	-	-	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	40.6	-	-	34.3	-	-	37.9	-	-	45.4	-	-	1.0
Chromium	100 P	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	5.0
Copper	1300 AL	µg/L	BQL	-	BQL	BQL	BQL	BQL	30.2	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	9.7	-	-	7.7	-	-	8.8	-	-	13.2	-	-	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	2.9	-	-	2.7	-	-	3.2	-	-	3.9	-	-	1.0
Selenium	50 P	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	5.0
Silicon		mg/L	1.3	-	-	1.7	-	-	2.9	-	-	1.3	-	-	1.0
Silver	100 S	µg/L	BQL	-	-	BQL	-	-	BQL	-	-	BQL	-	-	5.0
Sodium		mg/L	21.8	-	22.9	24.3	23.6	17.7	22.0	20.1	22.7	24.7	25.1	-	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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