



Alexandria

Typical Water Quality Information

PWSID Number: 6510010

Area Served: City of Alexandria (22301, 22302, 22303, 22304, 22305, 22306, 22307, 22308, 22309, 22310, 22311, 22312, 22313, 22314, 22315, 22320, 22331, 22332, 22333, and 22334)

Where Does My Water Come From?

Virginia American Water, Alexandria District is classified as a consecutive water system. Your drinking water comes from two surface water treatment plants owned and operated by Fairfax Water. The Corbalis water treatment plant is located on the Potomac River. The Griffith plant is at the Occoquan Reservoir. To learn more about our watershed on the Internet, go to U.S. EPA's Search Your Watershed at www.epa.gov/safewater.

Average amount of water supplied to customers on a daily basis

17 million gallons per day

Parameter	Average or Range	Comments
pH	7.6	pH is a measure of the acid/base properties of water
Total Hardness (as CaCO ₃)	113 mg/L	Natural calcium / magnesium content in the water
Total Hardness (as CaCO ₃)	6.6 grains per gallon	Natural calcium / magnesium content in the water
Fluoride	0.7 mg/L (from provider, Fairfax Water)	Naturally occurring and water additive, MCL = 4.0 mg/L
Sodium	19.5 mg/L	Naturally occurring from erosion of natural deposits No MCL – Informational only
Iron	ND (Below Reporting Limit)	Naturally occurring Secondary Standard Limit = 0.3 mg/L

Parameter	Average or Range	Comments
Manganese	ND (Below reporting limit)	Naturally occurring from erosion of natural deposits
Type of disinfection	Chloramines	Water additive to control microbes
Disinfectant residual level in the distribution system	3.1 mg/L(highest monthly average)	Max Residual Disinfectant Level = 3.7 mg/L
Lead [90 th percentile 2019 result]	ND Below reporting limit	Corrosion of household plumbing; erosion of natural deposits Action Level = 15 ug/L
Copper [90 th percentile 2019 result]	0.114 mg/L	Corrosion of household plumbing; erosion of natural deposits Action Level = 1.3 mg/L
Nitrate	0.62 – 1.68 mg/L (avg from provider, Fairfax Water)	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits MCL = 10 mg/L
Arsenic	ND (From provider Fairfax Water, below reporting limit)	MCL = 10 ug/L

Definitions

- mg/L – milligrams per liter; one milligram per liter is equal to one part per million (ppm), which is approximately the same as 1 second in 11.5 days
- ug/L – micrograms per liter; one microgram per liter is equal to one part per billion (ppb), which is approximately the same as 1 second in 31.7 years
- N/A – not applicable
- ND – not detected
- MCL – Maximum Contaminant Level – the highest level of a contaminant allowed in drinking water under State and Federal regulations

For a complete report of your water quality, please refer to the Water Quality Report located on the American Water web site

www.amwater.com/ccr/alexandria.pdf

For more information about water quality in your area, please contact Christian Volk at 804-446-9809

Other inquiries should be directed to our Customer Service Center at 1-800-452-6863