



Alexandria

Typical Water Quality Information

PWSID Number: 6510010

Area Served: City of Alexandria (22301, 22302, 22303, 22304, 22305, and 22314)

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 | 7.3 (avg) | pH is a measure of the acid/base properties of water |
| Total Hardness (as CaCO ₃) | 93 mg/L | Natural calcium / magnesium content in the water |
| Total Hardness (as CaCO ₃) | 5.4 grains per gallon | Natural calcium / magnesium content in the water |
| Fluoride | 0.7 mg/L (average) (form provider, Fairfax Water) | Naturally occurring and water additive, MCL = 4.0 mg/L |
| Sodium | 31 mg/L | Naturally occurring from erosion of natural deposits No MCL – Informational only |

| Parameter | Average or Range | Comments |
|---|---|--|
| Iron | ND (Below Reporting Limit) | Naturally occurring Secondary Standard Limit = 0.3 mg/L |
| Manganese | ND (Below reporting limit) | Naturally occurring from erosion of natural deposits |
| Type of disinfection | Chloramines | Water additive to control microbes |
| Disinfectant residual level leaving the treatment plant (average) | 3.1 – 3.3 mg/L (Range of two treatment plants). | Water additive to control microbes |
| Disinfectant residual level in the distribution system | 2.7 mg/L (Annual Running Average) | Max Residual Disinfectant Level Running Annual Avg. = 4.0 mg/L |
| Lead [90 th percentile result] | 1 ug/l | Corrosion of household plumbing; erosion of natural deposits Action Level = 15 ug/L |
| Copper [90 th percentile result] | 0.145 mg/L | Corrosion of household plumbing; erosion of natural deposits Action Level = 1.3 mg/L |
| Nitrate | 1.2 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 |
| Chromium-6 | 0.10 – 0.17 ug/L (ppb) | Chromium-6 is not currently regulated as an individual contaminant. For more information, please visit http://www.amwater.com/vaaw/Ensuring-Water-Quality/Chromium-6 |

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

For more information about water quality in your area, please contact
Christian Volk at 804-458-6821 x 1209

Other inquiries should be directed to our
Customer Service Center at 800-685-8660