



## WATER TREATMENT PLANT 2018 RESIDENTIAL LEAD AND COPPER TESTING

The EPA's Lead and Copper Rule (LCR) was established in 1991. The rule requires public water agencies, such as Antioch to monitor and report lead and copper in drinking water that may result from corrosion of household plumbing or water distribution components.

If lead concentrations exceed the Action Level of 15 parts per billion (ppb) or the copper concentrations exceed the Action Level 1.3 parts per million (ppm) in more than 10% of customer taps sampled, the water system must take corrective action to control corrosion and inform the public.



On August 28, 2018, we delivered sample bottles to 50 participating residences throughout the City of Antioch. The following day, we collected the samples and sent them to a certified laboratory for testing.

### 2018 Results:

Test	Range	Average	Action Level	Exceedances
Lead	0 - 8.6	0.74	15	0
Copper	0.0023 - 0.460	0.0419	1.300	0

A total of **364 samples have been collected since the year 2000**. All results have been **below** US EPA's Action Levels.

Lead can leach into drinking water from lead-containing pipes or fixtures as a result of corrosion. The City of Antioch maintains a slightly alkaline pH in its water supply to help prevent any lead that might be present from leaching into the tap water.

Lead may be present in older homes, especially those with plumbing installed before 1986 with lead solder.

We want to thank all the City residents that participated in this year's study. The next City-wide sampling event will take place in 2021. If your home was built between 1983 and 1988 and you would like to participate, please contact us at [waterquality@ci.antioch.ca.us](mailto:waterquality@ci.antioch.ca.us).

For more information about your drinking water:

- City of Antioch's Annual Water Quality Report: <https://www.antiochca.gov/fc/finance/water/AWQR.pdf>
- EPA Safe Drinking Water Hotline at (800) 426-4791 or online at [www.epa.gov/safewater/lead](http://www.epa.gov/safewater/lead)
- Centers for Disease Control and Prevention <http://www.cdc.gov/nceh/lead>

