

Most Recent 2022 Copper & Lead Tap Sampling Results – This report includes detailed data from the July 2022 sampling period, covering both copper and lead levels at residential taps.

As part of our commitment to delivering safe, high-quality drinking water, the City conducted Copper and Lead tap sampling during the July–December 2022 monitoring period. The results below summarize findings for both contaminants and provide key compliance context based on EPA standards.

Copper Range: 21 to 1200 ppb

Copper levels measured across sampled residential taps ranged from **21 ppb** to **1200 ppb**.

- **Lowest Measured Value:** 21 ppb
- **Highest Measured Value:** 1200 ppb (sample from *139 Buena Vista & 139 Dodge Ave.*)

These samples help determine copper exposure due to household plumbing or service lines.

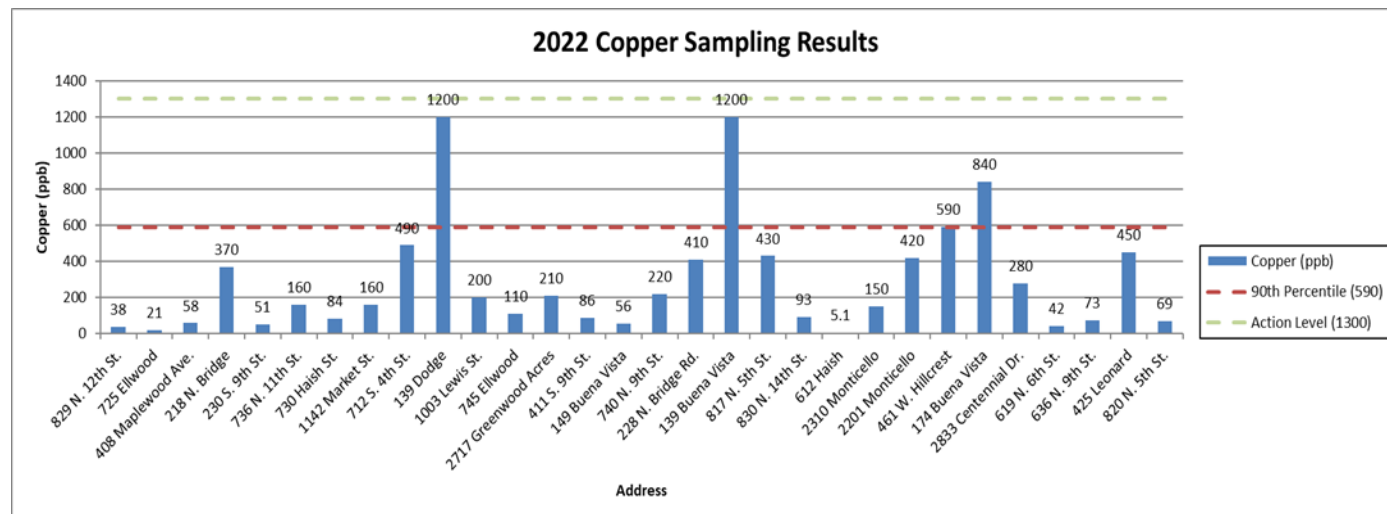
Action Level for Copper: 1300 ppb (1.3 mg/L)

The EPA’s Action Level is not a limit for individual results, but a compliance threshold. If over 10% of samples exceed 1300 ppb, remedial action is required.

Maximum Contaminant Level Goal (MCLG) for Copper: 1300 ppb (1.3 ppm)

This non-enforceable health-based goal is set by EPA to prevent potential health risks such as gastrointestinal distress and liver or kidney damage. EPA believes copper at or below this level is safe for consumption.

- **Highest Value (1200 ppb)** was **below the Action Level**, meaning **no corrective action was triggered**.
- **90th Percentile Copper Value:** 590 (0.59) ppm
- No samples exceeded the EPA Action Level for copper.
- The water system is in **full compliance** with copper standards.
- **Visual Chart Included:** Bar graph showing copper sample results with 90th percentile at 590 (0.59 ppm) and EPA Action Level 1300(1.3 ppm) marked. Each bar includes a value label for clarity.



Lead Range: 0 to 23 ppb

Lead levels measured ranged from **non-detectable (0 ppb)** to **23 ppb**.

- **Lowest Measured Value:** 0 ppb (many samples had no detectable lead)
- **Highest Measured Value:** 23 ppb (sample from 829 N. 12th St.)

These samples were taken from household taps with the potential for lead-containing materials.

Action Level for Lead: 15 ppb

Similar to copper, the EPA's Lead Action Level is a **trigger threshold**. If **more than 10% of samples exceed 15 ppb**, the system must implement corrective measures (e.g., public education, corrosion control, and service line replacement).

Maximum Contaminant Level Goal (MCLG) for Lead: 0 ppb

Because **lead can be harmful even at low exposure levels**, the EPA has set the MCLG at **zero**. This reflects the goal of eliminating any lead exposure through drinking water.

- **Exceedances:** 2 locations
 - 829 N. 12th St. — 23 ppb
 - 725 Ellwood — 16 ppb
- **90th Percentile Lead Value:** 7.5 ppb
This is **below the 15 ppb threshold**, meaning no required system-wide actions were triggered.
- 2 out of 30+ samples exceeded the Action Level. The system remains **in compliance** based on the 90th percentile result.
- **Visual Chart Included:** Bar graph showing lead sample results with 90th percentile (7.5 ppb) and EPA Action Level (15 ppb) marked. Each bar includes a value label for clarity.

