

Regulatory Testing, continued

	Required Regulatory Report	Maximum Contaminant Level (MCL) set by EPA	Maximum Contaminant Level Goal (MCLG)	Actual Level in CWS Water for 2021	Year Sampled	Possible Sources in Water
Disinfection Byproducts	Total Trihalomethanes (Stage 2) Stage 2 of the Disinfectants and Disinfection Byproducts Rule requires the locational running annual average (LRAA) for each sampling location to be below the MCL. CWS has eight sampling locations.	Locational Running Annual Average must be below 80 ppb.	NA	LRAA: 13 ppb. Range: 5.35 to 20.37 ppb.	2021	Byproduct of disinfection.
	Total Haloacetic Acids (Stage 2) Stage 2 of the Disinfectants and Disinfection Byproducts Rule requires the locational running annual average (LRAA) for each sampling location to be below the MCL. CWS has eight sampling locations.	Locational Running Annual Average must be below 60 ppb.	NA	LRAA: 13 ppb. Range: 5.49 to 17.23 ppb.	2021	Byproduct of disinfection.
	Chlorite A byproduct formed when chlorine dioxide is used to disinfect water.	1 ppm.	0.8 ppm.	Highest level detected: 0.75 ppm. Range: 0.34 to 0.75 ppm.	2021	Byproduct of disinfection.
Organics & Bacteria	Total Organic Carbon (TOC) The measure of organic substances in a body of water, mostly from naturally occurring sources such as plant material. TOC provides a measurement for the potential formation of disinfection byproducts.	No MCL; EPA requires a specific treatment technique.	Required % removal depends on source water, 35% – 50%.	Removal range: 53% to 61%. 58% removed.	2021	Naturally present in the environment.
	Total Coliform Bacteria A group of bacteria whose presence in water indicates possible contamination with soil or waste from warm blooded animals.	No more than 5% samples total coliform-positive.	0%.	1.8% highest level detected in any monthly sample. All repeat samples were satisfactory. Range 0% to 1.8%.	2021	Naturally present in the environment.
Synthetic Organic Contaminants (Pesticides and Herbicides)	2, 4-D (2, 4-dichlorophenoxyacetic acid) Popular herbicide used for killing weeds.	70 ppb.	70 ppb.	Highest level detected: 0.12 ppb. Range: 0.12 to 0.12 ppb.	2021	Runoff from herbicide used on row crops.

