

2021 Water Quality Testing Results

Contaminant	Highest Level Allowed (MCL)	Goal Not to Exceed (MCLG)	Highest Level Detected	Lowest Level Detected	Date of Highest Level Detected	Typical Source of Contaminant
Primary Standards Regulated by EPA for Protecting Public Health						
Arsenic	10 ppb	0	2 ppb	<1 ppb	7/13/2021	
Fluoride	4 ppm ¹	4 ppm	<0.2 ppm	<0.2 ppm	5/18/2021	Geology, natural weathering. Fluoride is not added to water
Lead	15 ppb	0	8 ppb	< 1 ppb	8/10/2021	Geology, brass fittings
Nitrate	10 ppm	10 ppm	5 ppm	<1 ppm	4/29/2021	Septic systems, fertilizer, animal waste
Radium 228	5 pCi/L	0 pCi/L	1 pCi/L	< 1 pCi/L	8/9/2021	geology, natural weathering
Total Coliform Bacteria (% monthly samples testing positive)	5%	0%	0%	0%	--	Naturally present in the environment
Free Chlorine Residual	4 ppm	4 ppm	0.84 ppm	0.28 ppm	12/21/2021	Added as a disinfectant to the water system
Total Trihalomethanes ²	80 ppb	NA	14 ppb	12 ppb	4/14/2021	Reaction of chlorine with naturally occurring organic matter
Total Haloacetic acids ³	60 ppb	NA	9 ppb	8 ppb	4/14/2021	Reaction of chlorine with naturally occurring organic matter
Secondary Standards Regulated by EPA for Aesthetics						
Chloride	250 ppm		18 ppm	1 ppm	8/10/2021	Geology, natural weathering
Copper	1300 ppb	1300 ppb	43 ppb	<20 ppb	8/10/2021	Geology, natural weathering
Iron	300 ppb		370 ppb	<100 ppb	9/13/2021	Geology, natural weathering
Manganese	50 ppb		61 ppb	<10 ppb	7/14/2021	Geology, natural weathering
Sulfate	250 ppm		14 ppm	2 ppm	7/13/2021	Geology, natural weathering
Conductivity	700 µS/cm		282 µS/cm	90 µS/cm	8/10/2021	Geology, natural weathering
Regulated by the State at the Consumer's Tap						
Contaminant	State Action Level	Goal Not to Exceed (MCLG)	90% percentile	# Samples Over State Action Level	Date of Highest Level Detected	Typical Source of Contaminant
Copper	1300 ppb	1300 ppb	934 ppb	1 sample	6/23/2020	Corrosion of household plumbing or erosion of natural deposits

Lead	15 ppb	0 ppb	8 ppb	1 sample	6/23/2020	Corrosion of household plumbing or erosion of natural deposits
Unregulated Contaminants - sampled as required by EPA						
	State Action Level	Goal Not to Exceed (MCLG)	Highest Level Detected	Lowest Level Detected	Date of Highest Level Detected	Typical Source of Contaminant
Bromide	unregulated		48 ppb	< 0.02 ppb	4/7/2020	Geology and natural weathering, industrial and consumer products
Unregulated Water Constituents of interest for fish aquariums, and home brewing ⁴						
Alkalinity (mg/L as CaCO ₃)	unregulated		129	39	4/11/2018	Geology, natural weathering
Total Hardness (mg/L as CaCO ₃)	unregulated		120	32	8/10/2021	Geology, natural weathering
Calcium Hardness (mg/L as CaCO ₃)	unregulated		98	25	4/11/2018	Geology, natural weathering
Silica	unregulated		59 ppm	33 ppm	10/4/2011	Geology, natural weathering. Rarely tested
Sodium	unregulated		22 ppm	7 ppm	4/29/2021	Geology, natural weathering

Footnotes

- 1 U.S. Department of Health and Human Services recommends <0.7 ppm fluoride in drinking water
2. Highest locational running annual average was 13.1 ppb. In 2021, the highest concentrations of individual trihalomethanes were chloroform (8.3 ppb), bromoform (1 ppb), chlorodibromomethane (2.7ppb), and bromodichloromethans (3.6ppb).
3. Highest locational running average was 9.1 ppb. In 2021, the highest concentrations of individual haloacetic acids were dichloroacetic acid (3.5ppb) and trichloroacetic acid (5.6ppb).
4. Ranges shown are from all 20 groundwater wells that supply the water system. Ranges in tap water at specific locations will depend on which wells serve the particular area.