

2020 Regulated Contaminants Detected

Lead and Copper Date Sampled: 11/15/19

Definitions: Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Action Level Goal (ALG): The level of a contaminant in drinking water below which there is no known or expected risk to health. ALG's allow for a margin of safety.

Lead MCLG	Lead Action Level (AL)	Lead 90th Percentile	# Sites Over Lead AL	Copper MCLG	Copper Action Level (AL)	Copper 90th Percentile	# Sites Over Copper AL	Likely Source of Contamination
0	15 ppb	0 ppb	0	1.3 ppm	1.3 ppm	0	0	Corrosion of household plumbing systems; Erosion of natural deposits

Water Quality Test Results

Definitions: The following tables contain scientific terms and measures, some of which may require explanation. **Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the Maximum Contaminant Level Goal as feasible using the best available treatment technology. **Maximum Contaminant Level Goal (MCLG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety. **ppm:** milligrams per liter or parts per million - or one ounce in 7,350 gallons of water. **ppb:** micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water. **N/A:** not applicable. **Avg.:** Regulatory compliance with some MCL's is based on running annual average of monthly samples. **Maximum Residual Disinfectant Level (MRDL):** The highest level of disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants. **Maximum Residual Disinfectant Level Goal (MRDLG):** The level of disinfectant in drinking water below which there is no known or expected risk to health. MRDLG's do not reflect the benefits of the use of disinfectants to control microbial contaminants. **pCi/L:** Picocuries per Liter (a measure of radioactivity)

Regulated Contaminants

<i>Disinfectants & Disinfection By-Products</i>	<i>Collection Date</i>	<i>Highest Level Detected</i>	<i>Range of Levels Detected</i>	<i>MCLG</i>	<i>MCL</i>	<i>Units</i>	<i>Violation</i>	<i>Likely Source Of Contaminant</i>
<i>*Not all sample results may have been used for calculating the Highest level detected because some results may be part of an evaluation to determine where compliance sampling should occur in the future.</i>								
<i>*Total Haloacetic Acids (HAA5)</i>	2020	21	14 - 28.6	N/A	60	ppb	No	<i>By-product of drinking water chlorination</i>
<i>*TTHMs [Total Trihalomethanes]</i>	2020	43	25.4 - 54.6	N/A	80	ppb	No	<i>By-product of drinking water chlorination</i>
<i>Chlorite</i>	2020	0.62	0.17 - 0.62	.8	1	ppm	No	<i>By-product of drinking water chlorination</i>
<i>Chloramines</i>	12/31/20	3	2.74 - 3.3	MRDLG=4	MRDL=4	ppm	No	<i>Water additive used to control microbes</i>
<i>Inorganic Contaminants</i>	<i>Collection Date</i>	<i>Highest Level Detected</i>	<i>Range of Levels Detected</i>	<i>MCLG</i>	<i>MCL</i>	<i>Units</i>	<i>Violation</i>	<i>Likely Source Of Contaminant</i>
<i>Barium</i>	2020	0.0155	0.0155 - 0.0155	2	2	ppm	No	<i>Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits</i>
<i>Arsenic</i>	2020	1	0.72 - 0.72	0	10	ppb	No	<i>Erosion of natural deposits; Runoff from orchards; Runoff from electronics production wastes</i>

<i>Inorganic Contaminants (continued)</i>	<i>Collection Date</i>	<i>Highest Level Detected</i>	<i>Range of Levels Detected</i>	<i>MCLG</i>	<i>MCL</i>	<i>Units</i>	<i>Violation</i>	<i>Likely Source Of Contaminant</i>
<i>Fluoride</i>	<i>2020</i>	<i>0.6</i>	<i>0.55 – 0.55</i>	<i>4</i>	<i>4</i>	<i>ppm</i>	<i>No</i>	<i>Erosion of natural deposits; Water additive which promotes strong teeth; Fertilizer or Aluminum Factory discharge</i>
<i>Sodium</i>	<i>2020</i>	<i>19</i>	<i>19.3 – 19.3</i>			<i>ppm</i>	<i>No</i>	<i>Erosion from naturally occurring deposits:</i>
<i>Nitrate (measured as Nitrogen)</i>	<i>2020</i>	<i>0.16</i>	<i>0.16 – 0.16</i>	<i>10</i>	<i>10</i>	<i>ppm</i>	<i>No</i>	<i>Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.</i>

The state requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though accurate, is more than one year old.

<i>Radioactive Contaminants</i>	<i>Collection Date</i>	<i>Highest Level Detected</i>	<i>Range of Levels Detected</i>	<i>MCLG</i>	<i>MCL</i>	<i>Units</i>	<i>Violation</i>	<i>Likely Source Of Contaminant</i>
<i>Combined Radium 226/228</i>	<i>2020</i>	<i>0.86</i>	<i>0.86 - 0.86</i>	<i>0</i>	<i>5</i>	<i>pCi/L</i>	<i>No</i>	<i>Erosion of naturally occurring deposits</i>
<i>Gross alpha excluding radon and uranium</i>	<i>2020</i>	<i>0.12</i>	<i>0.12 – 0.12</i>	<i>0</i>	<i>15</i>	<i>pCi/L</i>	<i>No</i>	<i>Erosion of naturally occurring deposits</i>

Turbidity Information Statement: Turbidity is a measurement of the cloudiness of the water caused by suspended particles. We monitor it because it is a good indicator of water quality and the effectiveness of our filtration system and disinfectants.

Definitions: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.

NTU – Nephelometric Turbidity Units

<i>Lowest Monthly % meeting limit</i>	<i>Limit (Treatment Technique)</i>	<i>Violation</i>	<i>Source</i>
<i>100%</i>	<i>0.3 NTU</i>	<i>No</i>	<i>Soil Runoff</i>
<i>Highest Single Measurement</i>	<i>Limit (Treatment Technique)</i>	<i>Violation</i>	<i>Source</i>
<i>0.29</i>	<i>1 NTU</i>	<i>No</i>	<i>Soil Runoff</i>

Total Organic Carbon The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set, unless a TOC violation is noted in the violation sections.

VIOLATIONS: There were no violations this reporting period.