



2019 CONSUMER CONFIDENCE REPORT

Regulated Contaminants

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation Y/N	Likely Source of Contamination
Chlorine	2018	2.88	0.14-2.88	MRDLG = 4	MRDL = 4	ppm	N	Water additive used to control microbes.
Haloacetic Acids (HAA5)*	2018	12	2.68-26.1	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)*	2018	39	5.89-90.77	No goal for the total	80	ppb	N	By-product of drinking water disinfection.
Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation Y/N	Likely Source of Contamination
Fluoride	2017	0.72	0.46-0.72	4	4	ppm	N	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation Y/N	Likely Source of Contamination
Copper	2016	1.3	1.3	0.083	0	ppm	N	Erosion of natural deposits; leaching from wood preservatives; corrosion of household plumbing.
Lead	2016	0	15	4.6	2	ppb	N	Corrosion of household plumbing systems; erosion of natural deposits.

*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.

Definitions: The above tables contain scientific terms and measures, some of which may require explanation.

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

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

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a disinfectant in drinking water below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Avg: Regulatory compliance with some MCLs are based on running annual average of monthly samples.

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.

NA: Not applicable.

Additional Monitoring

As part of an on-going evaluation program the EPA has required us to monitor some additional contaminants/chemicals. Information collected through the monitoring of these contaminants/chemicals will help to ensure that future decisions on drinking water standards are based on sound science.

Monitoring for Unregulated Contaminants (Round 4) was conducted in October, 2018. The following contaminants were detected:

Unregulated Contaminants (UCMR4)

Unregulated Contaminants	Collection Date	Results	Range of Levels Detected	MCLG	MCL	Units	Violation Y/N	Likely Source of Contamination
Germanium	10/16/18	0.321	0.321	—	—	ppb	N	Naturally-occurring element; commercially available in combination with other elements and minerals; a byproduct of zinc ore processing; used in infrared optics, fiber-optic systems, electronics and solar applications
Manganese	10/16/18	1.33	1.33	—	—	ppb	N	Naturally-occurring element; commercially available in combination with other elements and minerals; used in steel production, fertilizer, batteries and fireworks; drinking water and wastewater treatment chemical; essential nutrient
Bromochloroacetic Acid	10/16/18	1.69	1.28-3.64	—	—	ppb	N	Disinfection By Product
Bromodichloroacetic Acid	10/16/18	4.9	0.984-3.92	—	—	ppb	N	Disinfection By Product
Chlorodibromoacetic Acid	10/16/18	3.97	1.54-7.77	—	—	ppb	N	Disinfection By Product
Tribromoacetic Acid	10/16/18	10.08	9.03-10.8	—	—	ppb	N	Disinfection By Product

If you would like to receive the complete list of contaminants that were monitored, please contact the District Lab at 843-671-3866.