Monitoring Results – Regulated Substances

LEAD AND COPPER – Tested at customer taps.

Contaminant (Date, if sampled in previous year)	**EPA's Ideal Goal** (MCLG)	**EPA's Action Level**	**90% of Results Less Than**	**Number of Homes with High Levels**	**Violation**	**Typical Sources**
Lead (09/07/17)	0 ppb	90% of homes less than 15 ppb	1.4 ppb	0 out of 10	NO	Corrosion of household plumbing.
Copper (09/07/17)	0 ppm	90% of homes less than 1.3 ppm	0.27 ppm	0 out of 10	NO	Corrosion of household plumbing.

BACTERIA – Tested in the distribution system.

Contaminant	**EPA's Ideal Goal** (MCLG)	**EPA's Limit** (MCL)	**Number of Test Results with E. coli**	**Number of Treatment Technique Exceedances**	**Violation**	**Typical Sources**
Total Coliform Bacteria	N/A	TT	N/A	0	NO	Naturally present in the environment

Potential Health Effects and Corrective Actions (If Applicable)

Total Coliform Bacteria: During the year, we failed to take a Total Coliform Bacteria sample during the required testing period(s) of 11/01/19 to 11/30/19. Because we did not monitor or failed to monitor completely during the compliance period(s) we did not know whether Total Coliform Bacteria was present in your drinking water, and we are unable to tell you whether your health was at risk.

INORGANIC & ORGANIC CONTAMINANTS – Tested in drinking water.

Contaminant (Date, if sampled in previous year)	**EPA's Ideal Goal** (MCLG)	**EPA's Limit** (MCL)	**Highest Average or Highest Single Test Result**	**Range of Detected Test Results**	**Violation**	**Typical Sources**
Nitrate	10 ppm	10.4 ppm	0.31 ppm	N/A	NO	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Arsenic (04/17/18)	0 ppb	10.4 ppb	1.04 ppb	N/A	NO	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Toluene (2016)	1 ppm	1 ppm	0.0004 ppm	N/A	NO	Discharge from petroleum factories.
Gross Alpha	0 pCi/l	15.4 pCi/l	11 pCi/l	N/A	NO	Erosion of natural deposits.
Combined Radium	0 pCi/l	5.4 pCi/l	4.1 pCi/l	N/A	NO	Erosion of natural deposits.

Substance (Date, if sampled in prev.	**EPA's Ideal Goal** (MCLG or MRDLG)	**EPA's Limit** (MCL or MRDL)	**Highest Average or Highest Single Test Result**	**Range of Detected Test Results**	**Violation**	**Typical Sources**
Total Chlorine	4.0 ppm	4.0 ppm	0.43 ppm	0.16 - 0.95 ppm	NO	Water additive used to control microbes.

Potential Health Effects and Corrective Actions (If Applicable)

Total Chlorine: During the year, we failed to take a Total Chlorine Residual sample during the required testing period(s) of 11/01/19 to 11/30/19. Because we did not monitor or failed to monitor completely during the compliance period(s), we did not know whether Chlorine was present in your drinking water, and we are unable to tell you whether your health was at risk during that time.

OTHER SUBSTANCES – Tested in drinking water.

Substance (Date, if sampled in prev. year)	**EPA's Ideal Goal** (MCLG)	**EPA's Limit** (MCL)	**Highest Ave. or Highest Single Test Result**	**Range of Detected Test Results**	**Violation**	**Typical Sources**
Fluoride	4.0 ppm	4.0 ppm	0.87 ppm	0.81 - 0.89 ppm	NO	Erosion of natural deposits; Water additive to promote strong teeth.

Potential Health Effects and Corrective Actions (If Applicable) Monitoring Results – Unregulated Substances

In addition to testing drinking water for contaminants regulated under the Safe Drinking Water Act, we sometimes also monitor for contaminants that are not regulated. Unregulated contaminants do not have legal limits for drinking water.

Detection alone of a regulated or unregulated contaminant should not cause concern. The meaning of a detection should be determined considering current health effects information. We are often still learning about the health effects, so this information can change over time.

The following table shows the unregulated contaminants we detected last year, as well as human-health based guidance values for comparison, where available. The comparison values are based only on potential health impacts and do not consider our ability to measure contaminants at very low concentrations or the cost and technology of prevention and/or treatment. They may be set at levels that are costly, challenging, or impossible for water systems to meet (for example, large-scale treatment technology may not exist for a given contaminant).

A person drinking water with a contaminant at or below the comparison value would be at little or no risk for harmful health effects. If the level of a contaminant is above the comparison value, people of a certain age or with special health conditions - like a fetus, infants, children, elderly, and people with impaired immunity – may need to take extra precautions. Because these contaminants are unregulated, EPA and MDH require no particular action based on detection of an unregulated contaminant. We are notifying you of the unregulated contaminants we have detected as a public education opportunity.

- More information is available on MDH's A-Z List of Contaminants in Water (https://www.health.state.mn.us/communities/environment/water/contaminants/index.html) and Fourth Unregulated Contaminant Monitoring Rule (UCMR 4) (https://www.health.state.mn.us/communities/environment/water/com/ucmr4.html).