# *2021 Table of Detected Regulated Contaminants For Lewis and Clark Regional Water System (EPA ID 2288)*

***Terms and abbreviations used in this table:***

** 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 the MCLGs as feasible using the best available treatment technology.*

** Action Level(AL): the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow. For Lead and Copper, 90% of the samples must be below the AL.*

** Treatment Technique(TT): A required process intended to reduce the level of a contaminant in drinking water. For turbidity, 95% of samples must be less than 0.3 NTU*

** Running Annual Average(RAA): Compliance is calculated using the running annual average of samples from designated monitoring locations.*

***Units:***

**MFL: million fibers per liter*
**mrem/year: millirems per year(a measure of radiation absorbed by the body)*
**NTU: Nephelometric Turbidity Units*
**pCi/l: picocuries per liter(a measure of radioactivity)*
**ppm: parts per million, or milligrams per liter(mg/l)*
**ppb: parts per billion, or micrograms per liter(ug/l)*
**ppt: parts per trillion, or nanograms per liter*
**ppq: parts per quadrillion, or picograms per liter*
**pspm: positive samples per month*

| Substance | 90% Level | Test Sites > Action Level | Date Tested | Highest Level Allowed (AL) | Ideal Goal | Units | Major Source of Contaminant |
|---|---|---|---|---|---|---|---|
| Copper | 0.0 | 0 | | AL=1.3 | 0 | ppm | Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives. |
| Lead | 0 | 0 | | AL=15 | 0 | ppb | Corrosion of household plumbing systems; erosion of natural deposits. |

| Substance | Highest Level Detected | Range | Date Tested | Highest Level Allowed (MCL) | Ideal Goal (MCLG) | Units | Major Source of Contaminant |
|---|---|---|---|---|---|---|---|
| Arsenic | 4 | | 10/07/19 | 10 | 0 | ppb | Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes. |
| Barium | 0.015 | | 10/07/19 | 2 | 2 | ppm | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits. |
| Chromium | 0.5 | | 10/07/19 | 100 | 100 | ppb | Discharge from steel and pulp mills; erosion of natural deposits. |
| Fluoride | 0.77 | 0.52 - 0.77 | 10/12/21 | 4 | <4 | ppm | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories. |
| Mercury (Inorganic) | 0.13 | | 10/07/19 | 2 | 2 | ppb | Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland. |
| Nitrate (as Nitrogen) | 0.4 | | 11/09/21 | 10 | 10 | ppm | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits. |

**Please direct questions regarding this information to Mr Jim Auen with the Lewis and Clark Regional Water System public water system at (605)624-8700.**