

5067120 FERRUM WATER AND SEWAGE AUTHORITY CCR - 2021

Inorganic Contaminants						
Contaminant / Unit of Measurement	MCLG	MCL	Level Found/Range	Violation	Date of Sample	Typical Source of Contamination
Nitrate ppm	10	10	0.21	No	Dec. 2021	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Barium ppm	2	2	0.018	No	October 2020	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Lead and Copper						
Contaminant / Unit of Measurement	MCLG	MCL	Level Found/Range	Exceedance	Date of Sample	Typical Source of Contamination
Lead ppb	0	AL=15	3.1 (90 th percentile) Range: ND - 4.9 Of the ten samples collected none exceeded the AL.	No	September 2019	Corrosion of household plumbing systems; Erosion of natural deposits
Copper ppm	1.3	AL=1.3	0.008 (90 th percentile) Range: ND - 0.127 Of the ten samples collected none exceeded the AL.	No	September 2019	Corrosion of household plumbing systems; Erosion of natural deposits
Disinfection Byproducts						
Contaminant / Unit of Measurement	MCLG	MCL	Level Found/Range	Violation	Date of Sample	Typical Source of Contamination
TTHMs (Total Trihalomethanes) ppb	N/A	80	7.82 ug/L	No	August 2020	By-product of drinking water disinfection
HAA5s (Total Haloacetic Acids) ppb	N/A	60	Non-Detect	No	August 2020	By-product of drinking water disinfection
Chlorine ppm	MRDLG =4	MRDL = 4	Highest Qty Avg.: 0.67 mg/L Range: 0.36 to 0.92	No	Monthly 2021	Water additive used to control microbes

Monitoring Results for Sodium (Unregulated-No Limits Designated)			
Level Detected (unit)	Sample Date	Typical Source	Guidance
31.3 (mg/L)	10/2020	Naturally occurring; Addition of treatment chemicals/processes	For individuals on a <u>very</u> low sodium diet (500 mg/day), EPA recommends that drinking-water sodium not exceed 20 mg/L. Should you have a health concern, contact your health care provider.

We are pleased to report to you that there were no detections of total coliforms or fecal coliforms in the monthly samples collected during calendar year 2021.