

Carrolls Water Association Monitoring Results

Contaminant	MCL	MCLG	LEVEL DETECTED	VIOLATION Y/N	UNIT MEASUREMENT	Likely Source of Contamination
Chlorine (C12)	4.0 mg/L	4.0 mg/L	0.50-1.2	-	-	Water additive to control microbes

Microbial Contaminants - Monthly

Total Coliform Bacteria	0	0	-	N	-	Naturally present in environment
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Inorganic Contaminants SOURCE 1

Nitrates 11/17/2021	10.0	-	<0.20	N	Mg/L	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
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Inorganic Contaminants SOURCE 2

Nitrates 11/18/21	10	10	<0.20	N	Mg/L	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
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Inorganic Contaminants SOURCE 3

Contaminant	MCL	MCLG	LEVEL DETECTED	VIOLATION Y/N	UNIT MEASUREMENT	Likely Source of Contamination
Nitrates 11/24/21	10	10	0.39	N	Mg/L	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Iron	0.3	-	<0.10	N	Mg/L	Naturally Occurring
Manganese	0.05	-	0.013	N	Mg/L	Naturally Occurring

Inorganic Contaminants SOURCE 4

Nitrates 8/12/2020	10	10	<0.20	N	Mg/L	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
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Synthetic Compounds S4 – 9/22/21

Contaminant Quarterly Monitoring	MCL	MCLG	LEVEL DETECTED	VIOLATION Y/N	UNIT MEASUREMENT	Likely Source of Contamination
Picloram	500	0	0.13	N	Ug/L	Runoff of Herbicide
Di(2-ethylhexy)phthalate	6.0	0	2.50	N	Ug/L	Runoff of Pesticide

Inorganic Contaminants SOURCE 5

Contaminant	MCL	MCLG	LEVEL DETECTED	VIOLATION Y/N	UNIT MEASUREMENT	Likely Source of Contamination
Arsenic 9/25/19	0.010		0.0068	N	Mg/L	Naturally Occurring
Nitrates 12/15/21	10	10	2.55	N	Mg/L	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Iron 9/25/19	0.3	-	0.52	N	Mg/L	Naturally Occurring
Manganese 9/25/19	0.3	-	0.012	N	Mg/L	Naturally Occurring
Chloride S5 9/25/19	250	-	10.9	N	Mg/L	
Sulfate S5 9/25/19	250	-	8.9	N	Mg/L	
SodiumS5 9/25/19	-	-	22.1	N	Mg/L	
Hardness S5 9/25/19	-	-	171.0	N	Mg/L	
Conductivity S5 9/25/19	700	-	316.7	N	µmhos/com	Ability of water to conduct electrical current
Turbidity S5 9/25/19	-	-	4.27	-	-	

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Volatile Organic Contaminants Disinfection By-Products 9/1/2021

TTHM (Total Trihalomethanes)	80 depending on size/treatment	-	1.66	N	Ug/L	By-product of drinking water chlorination
HAA5 (Haloacetic Acid)	60	-	ND	N	Ug/L	By-product of drinking water chlorination

LEAD AND COPPER

Primary Contaminants	Year Tested	MCLG	UNITS	ACTION LEVEL	90 TH PERCENTILE	SAMPLES > AL	VIOLATION Y/N	Major Sources in Drinking Water
Copper	9/22/20	1.3	ppm	1.3	0.104	0 of 5	N	Corrosion of household plumbing systems; erosion of natural deposits
Lead	9/22/20	0	ppm	0.015	<0.0010	0 of 5	N	Corrosion of household plumbing systems; erosion of natural deposits

The maximum contaminant level goal (MCLG) is the level of a contaminant in drinking water below which there are no known or expected risks to health. MCLGs allow for a margin of safety. The regulatory limits for lead and copper are called action levels. An exceedance occurs when the concentration of the lead or copper in more than 10 percent of the tap water samples exceeds an action level. The MCLG for lead is "0" and the action level is 15 ppb (or .015 mg/L). The MCLG and action level for copper is 1,300 ppb (or 1.3 mg/L).

Lead or copper action level exceedances will trigger corrosion control treatment or other requirements. We will notify all water users if our system exceeds the lead action level.