

RESIDENTIAL WATER ANALYSIS

Healthy water is essential to a healthy home. Biosolutions, LLC offers a variety of water quality testing services to determine if your water is healthy. Our most common analyses are listed below with pricing information and a brief explanation of why you may choose to test for each parameter. Information on additional tests is available at www.BiosolutionsLab.com. Contact us today for a quote!

Parameter	Why	Hold Time	MCL*	Bottle
Total Coliform/E.Coli [†] Presence/Absence Most Probable Number	EPA standard for potability	24 hours	< 4 MPN Coliform, 0 E.Coli	Sterile Bottle - 100 mL
Arsenic (As)	Carcinogen	6 months	0.01 mg/L	D - 250 mL
Chloride	Salt restricted diet	28 days	250 mg/L SMCL [^]	A - 100 mL
Conductivity	Measures ability of water to conduct electricity	28 days	No Standard	A - 100 mL [‡]
Copper (Cu)	Causes blue-green stains, may precede leaks	6 months	1.3 mg/L AL [°]	D - 250 mL
Hardness Total Total as Ca & Mg	Determines water softener settings	6 months	No Standard	D - 100 mL
Iron (Fe)	Causes orange stains, determines if iron-reacting salt is necessary in softener	6 months	0.3 mg/L SMCL	D - 125 mL
Lead [†] (Pb)	Houses built before 1985 utilized lead solder, may cause neurological damage in children	6 months	0.015 mg/L AL	D - 1 L First Draw
Langelier Index	Determines corrosive or scaling characteristics of water	24 hours	No Standard	A - 250 mL D - 125 mL
Manganese (Mn)	Neurological impact	6 months	0.05 mg/L SMCL	D - 125 mL
Nitrate [†] (NO ₃)	Causes blue baby syndrome, comes from fertilizer	48 hours	10 mg/L	A - 500 mL [‡]
Nitrite [†] (NO ₂)	Causes blue baby syndrome, comes from fertilizer	48 hours	1 mg/L	A - 500 mL [‡]
pH	Measures acid/neutral/basic characteristics of water	ASAP	No Standard	A - 125 mL
Sodium (Na)	Salt restricted diet	6 months	No Standard	D - 250 mL
Glyphosate	Carcinogen found in Roundup	14 days	No Standard	SOC - J [†]
Pesticides	Common pesticides (Alachlor, Atrazine, Simazine) <i>Rarely found in northeast Ohio</i>	14 days	No Standard	SOC - A [†]

*MCL = Maximum Contamination Limit

Partially sourced from EPA National Primary Drinking Water Regulations

[^]SMCL = Secondary Maximum Contamination Limit

[°]AL = Action Level

[†]Frequently required for FHA, USDA, and VA home financing.

[‡]Requires refrigeration.

