

Partial Chemical Analyses

Updated: September 24, 2024

Analyte Name	Well 3/4 Result ppm	Well 8 Result ppm	Well 9 Result ppm	Well 10 Result ppm	Well 11 Result ppm	Well 14 Result ppm	Avg ppm	RL ppm	MCL ppm
Chloride	38	172	47	103	93	157	101.7	4.0	None
Flouride	1.00	1.8	1.1	1.3	0.60	0.77	1.10	0.1	4.0
Hardness(CaCO ₃)*	184	116	181	157	269	308	202.5	20.0	None
Iron (automated)	ND	0.36	0.57	ND	0.80	1.30	0.5	0.1	None
Nitrate as N	ND	ND	ND	ND	ND	ND	ND	0.4	10.0
Nitrite as N	ND	ND	ND	ND	ND	ND	ND	0.05	1.0
pH							7.5	0.0	None
PFAS	ND	ND	ND	ND	ND	ND	ND	0.0	None
Sodium (automated)	53	160	63	110	61	120	94.5	5.0	None
Sulfate	ND	12	ND	ND	58	28	16.3	10.0	None

ND = Not Detected

RL = Report Limit (lowest level that can be tested for)

ppm = parts per trillion

MCL = Maximum Contaminant Level (allowed by regulations)

*17.1 ppm = 1 grain of hardness

ppm = parts per million (1-penny in a pile of 1-million pennies = 1 part per million)

1ppm = 1mg/L

Interpretation

Analyte Name	Excellent	Satisfactory	Objectionable	Related Problems
Chloride	ND to 20	20 to 250	Over 250	Taste and corrosion
Flouride	0.7 to 1.2	1.2 to 4.0	Over 4.0	Lower levels are beneficial in preventing tooth decay. High levels may cause mottling of enamel.
Hardness(CaCO ₃)*	50 to 125	125 to 250	Over 250	Scaling of water fixtures, soap scum at high levels, corrosion at low levels.
Iron (automated)	ND to 0.2	0.2 to 0.3	Over 0.3	Staining, turbidity, taste, and odor.
Nitrate as N	ND to 3	3 to 10	Over 10	Levels greater than 10ppm are a health hazard. Methemoglobinemia (blue baby) especially infants. USEPA requires analysis within 48 hours.
Nitrite as N	ND to 0.3	0.3 to 1	Over 10	Levels greater that 1.0ppm are a health hazard. Methemoglobinemia (blue baby) especially infants USEPA requires analysis within 48 hours.
pH	6.0 to 8.5	5.5 to 9.0	<5.5 & >9.0	Scaling of water fixtures, soap scum at high levels, corrosion at low levels.
PFAS	ND		Over 70	Linked to Cancer. A non-regulatory Lifetime Health Advisory of 70 ppt was set by the USEPA.
Sodium (automated)	ND to 20			Special diets may require water of low sodium content. NOTE: all persons on severely restricted sodium diets should consult with their physician regarding continued use of the water supply. Acceptability of sodium concentration varies with sensitivity to taste.
Sulfate	ND to 50	50 to 250	Over 250	Taste, odor, scaling in boilers & heat exchangers. Over 500ppm may have laxative effect especially for new supply users (travelers diarrhea).