

Drinking Water Testing Program

City of Flint Community Data

MDHHS Follow-up Sampling Event 3 (11/02/2022-11/04/2022)

Section 1: Metals											
Parameter	Number of Buildings Sampled	Number of Initial Samples	Number of Flushed Samples	Median Initial Samples (mg/L)	Lowest Initial Samples (mg/L)	Highest Initial Samples (mg/L)	Median Flushed Samples (mg/L)	Lowest Flushed Samples (mg/L)	Highest Flushed Samples (mg/L)	US Environmental Protection Agency (US EPA) Drinking Water Value (mg/L)	Health-based Level (mg/L)
Aluminum	50	50	50	0.067	ND	0.34	0.0695	ND	0.48	0.05-0.20 (J)	0.3 (D)
Antimony	50	50	50	ND	ND	ND	ND	ND	ND	0.006 (F)	0.0028 (B: chronic for children)
Arsenic	50	50	50	ND	ND	ND	ND	ND	ND	0.01(F)	0 (G)
Barium	50	50	50	0.013	ND	0.015	0.013	ND	0.016	2 (F)	0.7 (E: 1/10- day for children)
Beryllium	50	50	50	ND	ND	ND	ND	ND	ND	0.004 (F)	0.004 (G)
Boron	50	50	50	ND	ND	ND	ND	ND	ND	Value not established	1.4 (C: chronic for children)
Cadmium	50	50	50	ND	ND	ND	ND	ND	ND	0.005 (F)	0.0007 (C: chronic for children)
Chromium, total	50	50	50	ND	ND	ND	ND	ND	ND	0.1 (F)	0.0063 (C: chronic for children, Cr (VI)) ¹

Copper	50	50	50	ND	ND	0.23	ND	ND	0.052	1.3 (A) 1.0 (J)	0.07 (C: acute/ intermediate for children) 1.3 (G) ²
Iron	50	50	50	ND	ND	ND	ND	ND	0.12	0.30 (J)	2 (D)
Lead	50	50	50	ND	ND	0.0024	ND	ND	ND	0.015 (A)	0 (G)
Manganese	50	50	50	ND	ND	ND	ND	ND	ND	0.05 (J)	0.3 (E: lifetime)
Molybdenum	50	50	50	ND	ND	ND	ND	ND	ND	Value not established	0.035 (B: chronic for children)
Nickel	50	50	50	ND	ND	ND	ND	ND	ND	Value not established	0.1 (E: lifetime)
Selenium	50	50	50	ND	ND	ND	ND	ND	ND	0.05 (F)	0.035 (B, C: chronic for children)
Silver	50	50	50	ND	ND	ND	ND	ND	ND	0.1 (J)	0.035 (C: children – chronic for children)
Thallium	50	50	50	ND	ND	ND	ND	ND	ND	0.002 (F)	0.0002 (I)
Tin	50	50	50	ND	ND	ND	ND	ND	ND	Value not established	2.1 (C: intermediate children)
Vanadium	50	50	50	ND	ND	ND	ND	ND	ND	Value not established	0.0045 (D)
Zinc	50	50	50	ND	ND	0.19	ND	ND	0.072	5 (J)	2 (E: lifetime)

Section 2: Disinfectants, Disinfection Byproducts and Bacteria

Parameter	Number of Buildings Sampled	Number of Initial Samples	Number of Flushed Samples	Median Initial Samples (mg/L)	Lowest Initial Samples (mg/L)	Highest Initial Samples (mg/L)	Median Flushed Samples (mg/L)	Lowest Flushed Samples (mg/L)	Highest Flushed Samples (mg/L)	US Environmental Protection Agency (US EPA) Drinking Water Value (mg/L)	Health-based Level (mg/L)
Chlorine (as Cl ₂ , mg/L)	50	50	50	0.88	ND	1.71	1.32	0.06	1.89	4 (H)	Learn more here
Haloacetic Acids (HAA5, µg/L)	50	50	50	22.2	ND	36.1	20.7	ND	34.5	60 (F)	Learn more here
Total Trihalomethanes (TTHMs, µg/L)	50	50	50	34	23	89	32.5	23	78	80 (F)	Learn more here

Section 3: General Chemistry

Parameter	Number of Buildings Sampled	Number of Initial Samples	Number of Flushed Samples	Median Initial Samples (mg/L)	Lowest Initial Samples (mg/L)	Highest Initial Samples (mg/L)	Median Flushed Samples (mg/L)	Lowest Flushed Samples (mg/L)	Highest Flushed Samples (mg/L)	US Environmental Protection Agency (US EPA) Drinking Water Value (mg/L)	Health-based Level (mg/L)
Calcium (mg/L)	50	50	50	27	ND	28	27	ND	28	Learn more here	Learn more here
Chloride (mg/L)	50	50	50	11	9.7	12	10	9.6	12	250 (F)	Learn more here
Specific Conductance (µmhos/cm)	50	50	50	240	230	250	240	230	250	Learn more here	Learn more here
Hardness (as mg/L of CaCO ₃)	50	50	50	99	ND	100	99	ND	100	Learn more here	Learn more here
Magnesium (mg/L)	50	50	50	7.8	ND	8.2	7.8	ND	8.2	Learn more here	400 (D)

Orthophosphate (mg/L)	50	50	50	0.95	0.032	1.2	0.97	0.038	1.1	Learn more here	Learn more here
pH (SU)	50	50	50	7.58	7.02	8.78	7.75	6.97	8.71	6.5 – 8.5 (F)	Learn more here
Sodium (mg/L)	50	50	50	7.9	7	54	7.9	6.8	55	Learn more here	Learn more here
Sulfate (mg/L)	50	50	50	18	17	20	17	16	20	250 (F)	500 (E)
Total Alkalinity (mg/L)	50	50	50	76.5	74	79	77	74	78	Learn more here	Learn more here
Turbidity (NTU)	50	50	50	ND	ND	1.45	ND	ND	1.57	Learn more here	Learn more here