

Drinking Water Testing Program

City of Flint Community Data

MDHHS Sampling Event 10 (01/25/2022- 01/27/2022)

Section 1: Metals									
Parameter	Number of locations sampled (number of initial samples/number of flushed samples)	Range in initial samples (mg/L)			Range in flushed samples (mg/L)			US Environmental Protection Agency (US EPA) drinking water value (mg/L)	Health-based level (mg/L)
		Median	Lowest	Highest	Median	Lowest	Highest		
Aluminum	52 (52 / 52)	0.0835	ND	0.86	0.09	ND	0.17	0.05-0.20 (J)	0.3 (D)
Antimony	52 (52 / 52)	ND	ND	ND	ND	ND	ND	0.006 (F)	0.0028 (B: chronic for children)
Arsenic	52 (52 / 52)	ND	ND	ND	ND	ND	ND	0.01(F)	0 (G)
Barium	52 (52 / 52)	0.012	ND	0.02	0.012	ND	0.014	2 (F)	0.7 (E: 1/10- day for children)
Beryllium	52 (52 / 52)	ND	ND	ND	ND	ND	ND	0.004 (F)	0.004 (G)
Boron	52 (52 / 52)	ND	ND	ND	ND	ND	ND	Value not established	1.4 (C: chronic for children)
Cadmium	52 (52 / 52)	ND	ND	0.0047	ND	ND	ND	0.005 (F)	0.0007 (C: chronic for children)
Chromium, total	52 (52 / 52)	ND	ND	ND	ND	ND	ND	0.1 (F)	0.0063 (C: chronic for children, Cr (VI)) ¹

Copper	52 (52 / 52)	ND	ND	0.11	ND	ND	0.028	1.3 (A) 1.0 (J)	0.07 (C: acute/ intermediate for children) 1.3 (G) ²
Iron	52 (52 / 52)	ND	ND	0.14	ND	ND	ND	0.30 (J)	2 (D)
Lead	52 (52 / 52)	ND	ND	0.0094	ND	ND	ND	0.015 (A)	0 (G)
Manganese	52 (52 / 52)	ND	ND	0.052	ND	ND	ND	0.05 (J)	0.3 (E: lifetime)
Molybdenum	52 (52 / 52)	ND	ND	ND	ND	ND	ND	Value not established	0.035 (B: chronic for children)
Nickel	52 (52 / 52)	ND	ND	ND	ND	ND	ND	Value not established	0.1 (E: lifetime)
Selenium	52 (52 / 52)	ND	ND	ND	ND	ND	ND	0.05 (F)	0.035 (B, C: chronic for children)
Silver	52 (52 / 52)	ND	ND	ND	ND	ND	ND	0.1 (J)	0.035 (C: children – chronic for children)
Thallium	52 (52 / 52)	ND	ND	ND	ND	ND	ND	0.002 (F)	0.0002 (I)
Tin	52 (52 / 52)	ND	ND	ND	ND	ND	ND	Value not established	2.1 (C: intermediate children)
Vanadium	52 (52 / 52)	ND	ND	ND	ND	ND	ND	Value not established	0.0045 (D)
Zinc	52 (52 / 52)	ND	ND	0.52	ND	ND	0.051	5 (J)	2 (E: lifetime)

Section 2: Disinfectants, Disinfection Byproducts and Bacteria

Parameter	Number of locations sampled (number of initial samples/number of flushed samples)	Range in initial samples			Range in flushed samples			US Environmental Protection Agency (US EPA) drinking water value	Health-based level (µg/L)
		Median	Lowest	Highest	Median	Lowest	Highest		
Chlorine (as Cl ₂ , mg/L)	50 (49 / 50)	1.06	0.02	3.2	1.49	0.02	1.97	4 (H)	Learn more here
Haloacetic Acids (HAA5, µg/L)	52 (52 / 52)	18.3	13.4	37.8	16.9	9.85	33.8	60 (F)	Learn more here
Total Trihalomethanes (TTHMs, µg/L)	52 (52 / 52)	19	17	68	18.5	16	31	80 (F)	Learn more here

Section 3: General Chemistry

Parameter	Number of locations sampled (number of initial samples/number of flushed samples)	Range in initial samples			Range in flushed samples			US Environmental Protection Agency (US EPA) drinking water value	Health-based level
		Median	Lowest	Highest	Median	Lowest	Highest		
Calcium (mg/L)	52 (52 / 52)	27	ND	28	27	ND	28	Learn more here	Learn more here
Chloride (mg/L)	52 (51 / 52)	10	9.6	12	10	8.7	11	250 (F)	Learn more here
Specific Conductance (µmhos/cm)	52 (51 / 52)	270	260	280	270	260	280	Learn more here	Learn more here
Hardness (as mg/L of CaCO ₃)	52 (52 / 52)	100	ND	100	100	ND	100	Learn more here	Learn more here

Magnesium (mg/L)	52 (52 / 52)	7.95	ND	8.3	8	ND	8.4	Learn more here	400 (D)
Orthophosphate (mg/L)	52 (51 / 52)	0.94	0.66	1	0.95	0.87	1	Learn more here	Learn more here
pH (SU)	50 (49 / 50)	7.94	7.38	9.71	7.955	7.38	9.03	6.5 – 8.5 (F)	Learn more here
Sodium (mg/L)	52 (52 / 52)	12	11	47	12	11	48	Learn more here	Learn more here
Sulfate (mg/L)	52 (51 / 52)	26	23	28	26	20	28	250 (F)	500 (E)
Total Alkalinity (mg/L)	52 (51 / 52)	80	67	85	80	67	83	Learn more here	Learn more here
Turbidity (NTU)	52 (51 / 52)	ND	ND	1.5	ND	ND	ND	Learn more here	Learn more here

