Drinking Water Testing Program
City of Flint Community Data

MDHHS Sampling Event 13 (04/26/2022-04/28/2022)

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	54 (55 / 54)	ND	ND	1.1	ND	ND	0.46	0.05-0.20 (J)	0.3 (D)
Antimony	54 (54 / 54)	ND	ND	ND	ND	ND	ND	0.006 (F)	0.0028 (B: chronic for children)
Arsenic	54 (54 / 54)	ND	ND	ND	ND	ND	ND	0.01(F)	0 (G)
Barium	54 (54 / 54)	0.012	ND	0.015	0.012	ND	0.016	2 (F)	0.7 (E: 1/10- day for children)
Beryllium	54 (54 / 54)	ND	ND	ND	ND	ND	ND	0.004 (F)	0.004 (G)
Boron	54 (54 / 54)	ND	ND	0.05	ND	ND	ND	Value not established	1.4 (C: chronic for children)
Cadmium	54 (54 / 54)	ND	ND	ND	ND	ND	ND	0.005 (F)	0.0007 (C: chronic for children)
Chromium, total	54 (54 / 54)	ND	ND	ND	ND	ND	ND	0.1 (F)	0.0063 (C: chronic for children, Cr (VI))[1]

Copper	54 (54 / 54)	ND	ND	0.16	ND	ND	0.025	1.3 (A) 1.0 (J)	0.07 (C: acute/ intermediate for children) 1.3 (G)[2]
Iron	54 (54 / 54)	ND	ND	0.15	ND	ND	ND	0.30 (J)	2 (D)
Lead	54 (54 / 54)	ND	ND	0.0032	ND	ND	ND	0.015 (A)	0 (G)
Manganese	54 (54 / 55)	ND	ND	ND	ND	ND	0.033	0.05 (J)	0.3 (E: lifetime)
Molybdenum	54 (54 / 54)	ND	ND	ND	ND	ND	ND	Value not established	0.035 (B: chronic for children)
Nickel	54 (54 / 54)	ND	ND	ND	ND	ND	ND	Value not established	0.1 (E: lifetime)
Selenium	54 (54 / 54)	ND	ND	ND	ND	ND	ND	0.05 (F)	0.035 (B, C: chronic for children)
Silver	54 (54 / 54)	ND	ND	ND	ND	ND	ND	0.1 (J)	0.035 (C: children – chronic for children)
Thallium	54 (54 / 54)	ND	ND	ND	ND	ND	ND	0.002 (F)	0.0002 (I)
Tin	54 (54 / 54)	ND	ND	ND	ND	ND	ND	Value not established	2.1 (C: intermediate children)
Vanadium	54 (54 / 54)	ND	ND	ND	ND	ND	ND	Value not established	0.0045 (D)
Zinc	54 (54 / 54)	ND	ND	0.59	ND	ND	0.048	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)	54 (54 / 54)	1.09	0.02	1.85	1.515	0.05	1.92	4 (H)	Learn more here
Haloacetic Acids (HAA5, µg/L)	54 (54 / 62)	15	ND	45.3	14.1	ND	30.5	60 (F)	Learn more here
Total Trihalomethanes (TTHMs, µg/L)	54 (55 / 62)	20	14	84	19	14	42	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)	54 (54 / 54)	26	ND	30	26	ND	29	Learn more here	Learn more here
Chloride (mg/L)	54 (53 / 54)	11	11	12	11	10	12	250 (F)	Learn more here
Specific Conductance (µmhos/cm)	54 (53 / 54)	250	240	260	250	240	270	Learn more here	Learn more here
Hardness (as mg/L of $CaCO_3$)	54 (54 / 54)	95	ND	110	95	ND	110	Learn more here	Learn more here
Magnesium (mg/L)	54 (54 / 54)	7.6	ND	9.1	7.55	ND	8.2	Learn more here	400 (D)

Orthophosphate (mg/L)	54 (53 / 54)	1	0.42	1.2	1	0.92	1.3	Learn more here	Learn more here
pH (SU)	54 (54 / 54)	8.01	7.01	10.12	7.965	7.05	9.42	6.5 – 8.5 (F)	Learn more here
Sodium (mg/L)	54 (54 / 54)	8.75	6	54	8.6	6.4	54	Learn more here	Learn more here
Sulfate (mg/L)	54 (53 / 54)	24	23	27	24	22	27	250 (F)	500 (E)
Total Alkalinity (mg/L)	54 (53 / 54)	74	60	79	74	58	78	Learn more here	Learn more here
Turbidity (NTU)	54 (53 / 54)	ND	ND	ND	ND	ND	ND	Learn more here	Learn more here