DISINFECTION BY-PRODUCTS RESULTS (2024)

DISINFECTION BY-PRODUCTS	MAXIMUM	UNITS	High Service Reservoir #106				Reservoir #229			
			1/22	4/17	7/16	10/15	1/22	4/17	7/16	10/15
Bromodichloromethane	3.7	ppb	ND	0.53	0.72	ND	2.8	3.7	2.9	3.4
Bromoform	1.3	ppb	ND	ND	0.93	0.68	0.47	0.83	1.2	1.3
Chloroform	2.2	ppb	0.21	0.29	0.41	ND	2.2	2.2	1.9	2.0
Dibromochloromethane	3.6	ppb	0.30	0.39	1.20	0.65	2.3	3.6	3.1	3.5
Total Trihalomethanes (TTHM)	**10**	**ppb**	**0.5**	**1.2**	**3.3**	**1.3**	**7.8**	**10**	**9.1**	**10**
Dibromoacetic acid	ND	ppb	ND	ND	ND	ND	ND	ND	ND	ND
Dichloroacetic acid	0.3	ppb	ND	ND	ND	ND	ND	0.30	ND	ND
Monobromoacetic acid	0.7	ppb	ND	0.32	0.38	0.25	0.68	0.69	0.71	0.50
Monochloroacetic acid	0.7	ppb	0.52	ND	ND	ND	0.67	0.40	0.43	0.44
Trichloroacetic acid	1.1	ppb	0.53	0.40	0.63	0.55	0.77	0.92	1.1	0.73
Total Haloacetic Acid (HAA5)	2.3	**ppb**	**1.1**	**0.7**	**1.0**	**0.8**	**2.1**	**2.3**	**2.2**	**1.7**

Utility Water Towers

DISINFECTION BY-PRODUCTS	MAXIMUM	UNITS	#126	#126	#225	#225
			1/16	7/15	1/16	7/15
Bromodichloromethane	1.4	ppb	0.35	0.55	0.24	1.4
Bromoform	0.3	ppb	ND	ND	ND	0.26
Chloroform	1.6	ppb	0.20	0.34	0.50	1.6
Dibromochloromethane	1.0	ppb	0.42	0.51	0.38	0.97
Total Trihalomethanes (TTHM)	**4.2**	**ppb**	**1.0**	**1.4**	**1.1**	**4.2**

ND = not detected

ppb = parts per billion, or micrograms/liter (ug/L)

The Disinfection By-Product Rule requires that the sum of four trihalomethanes [Total Trihalomethanes, TTHM] not exceed 80 ppb, and that the sum of five haloacetic acids [Total Haloacetic Acids, HAA5] not exceed 60 ppb.

As of April 1, 2023, Wisconsin DNR recognizes High Service Reservoir #106 and Reservoir #229 as Madison Water's two monitoring sites for compliance with the Disinfection By-Product Rule. The utility also tests water at water storage tanks & booster stations for disinfection by-products on a rotating basis.