DISINFECTION BY-PRODUCTS RESULTS (2023)

DISINFECTION BY-PRODUCTS	MAXIMUM	UNITS	High Service Reservoir - #106				Reservoir #229				IEM
			2/20	4/19	7/18	10/17	1/18	4/19	7/18	10/17	1/18
Bromodichloromethane	4.1	ppb	0.46	ND	ND	0.45	2.2	2.0	2.9	4.1	0.54
Bromoform	0.9	ppb	0.74	0.24	0.39	0.60	0.75	0.60	0.87	0.86	ND
Chloroform	2.7	ppb	0.29	0.18	0.19	0.32	1.4	1.4	2.2	2.7	0.70
Dibromochloromethane	3.6	ppb	0.94	0.31	0.39	0.89	2.3	2.0	2.8	3.6	0.40
Total Trihalomethanes (TTHM)	**11**	**ppb**	**2.4**	**0.7**	**1.0**	**2.3**	**6.7**	**6.0**	**8.8**	**11**	**1.6**
Dibromoacetic acid	1.1	ppb	NS	0.48	0.57	0.67	0.28	0.98	1.1	0.86	ND
Dichloroacetic acid	0.9	ppb	NS	0.19	0.18	ND	0.73	0.75	0.93	ND	0.39
Monobromoacetic acid	0.3	ppb	NS	ND	ND	ND	ND	ND	0.34	ND	ND
Monochloroacetic acid	ND	ppb	NS	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroacetic acid	0.5	ppb	NS	ND	ND	ND	0.24	0.39	0.52	0.47	ND
Total Haloacetic Acid (HAA5)	2.9	**ppb**	**NS**	**0.7**	**0.8**	**0.7**	**1.3**	**2.1**	**2.9**	**1.3**	**0.4**

Utility Water Towers

DISINFECTION BY-PRODUCTS	MAXIMUM	UNITS	#313	#313	#315	#315
			2/20	7/17	2/20	7/17
Bromodichloromethane	3.0	ppb	1.0	0.51	2.0	3.0
Bromoform	1.1	ppb	0.65	0.37	0.76	1.1
Chloroform	2.4	ppb	0.57	0.22	1.4	2.4
Dibromochloromethane	3.1	ppb	1.4	0.61	2.2	3.1
Total Trihalomethanes (TTHM)	**9.6**	**ppb**	**3.6**	**1.7**	**6.4**	**9.6**

IEM = Isthmus Engineering & Manufacturing

ND = not detected

NS = not sampled

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's two monitoring locations for compliance with the Disinfection By-Product Rule. Isthmus Engineering & Manufacturing is no longer a monitoring site. Madison Water Utility also tests water at water storage tanks & booster stations for disinfection by-products on a rotating basis.