

DISINFECTION BY-PRODUCTS RESULTS (2010)

Water Utility Towers, Reservoirs, and Pump Stations

Distribution System Locations

DISINFECTION BY-PRODUCTS	MAXIMUM	UNITS	MCL	MCLG	#106	#106	#128	#128	#225	#225	#229	#229	#229	#315	#315	#315	FS-5	HLG	IEM	LS	MDS	SH	TRUAX	
					1/25	7/21	1/25	7/21	7/20	8/26	1/26	7/20	8/26	1/26	7/20	8/26	7/20	7/21	7/21	7/21	7/21	7/20	7/21	7/20
					1/25	7/21	1/25	7/21	7/20	8/26	1/26	7/20	8/26	1/26	7/20	8/26	7/20	7/21	7/21	7/21	7/21	7/20	7/21	7/20
Bromodichloromethane*	3.1	ppb	--	--	1.5	1.5	[0.46]	[0.18]	2.5	[1.0]	2.2	3.0	3.1	1.1	2.2	1.5	0.59	1.0	1.7	0.71	[0.47]	[0.15]	0.97	
Bromoform*	2.7	ppb	--	0	2.0	2.7	[0.21]	<0.14	[0.44]	[0.26]	[0.46]	1.4	0.64	0.69	1.3	1.1	1.1	[0.28]	0.88	0.73	<0.33	0.53	[0.36]	
Chloroform*	6.0	ppb	--	0	0.87	0.82	[0.31]	<0.14	6.0	1.1	1.8	1.7	2.6	0.77	1.4	0.96	[0.25]	1.1	1.1	0.52	[0.33]	[0.25]	0.71	
Dibromochloromethane*	3.8	ppb	--	60	2.6	2.9	[0.51]	[0.19]	1.6	[0.81]	1.9	3.8	2.5	1.4	2.8	2.2	1.3	0.88	1.9	1.1	[0.51]	[0.45]	[0.90]	
Total Trihalomethanes (TTHM)	10.5	ppb	80*	--	7.0	7.9	1.5	0.4	10.5	3.2	6.4	9.9	8.8	4.0	7.7	5.8	3.2	3.3	5.6	3.1	1.3	1.4	2.9	
Dibromoacetic acid	0.9	ppb	--	--	NS	0.83	NS	<0.092	0.42	[0.23]	NS	0.85	0.86	NS	0.81	NS	0.54	<0.092	0.51	<0.092	<0.092	0.40	<0.092	
Dichloroacetic acid	6.8	ppb	--	0	NS	<0.51	NS	<0.51	6.8	<0.51	NS	[0.53]	<0.51	NS	<0.51	NS	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	
Monobromoacetic acid	0.0	ppb	--	--	NS	<0.27	NS	<0.27	<0.27	<0.27	NS	<0.27	<0.27	NS	<0.27	NS	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	
Monochloroacetic acid	0.0	ppb	--	--	NS	<0.40	NS	<0.40	<0.40	<0.40	NS	<0.40	<0.40	NS	<0.40	NS	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
Trichloroacetic acid	0.0	ppb	--	0.3	NS	<0.15	NS	<0.15	<0.15	<0.15	NS	[0.25]	<0.15	NS	<0.15	NS	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
Total Haloacetic Acid (HAA5)	7.2	ppb	60*	--	NS	0.83	NS	ND	7.2	0.23	NS	1.6	0.86	NS	0.81	NS	0.54	ND	0.51	ND	ND	0.40	ND	

[] = below level of quantification

ND = not detected

NS = not sampled

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

MCL = maximum contaminant level, the highest level that is allowed in drinking water

MCLG = maximum contaminant level goal, the level of a contaminant in drinking water below which there is no known or expected risk to human health

* = MCL for Total Trihalomethanes (TTHM) and Total Haloacetic Acids (HAA5) are cumulative; levels of individual trihalomethanes or haloacetic acids must not add up to more than the collective MCL

KEY:

FS-5 = Fire Station #5

HLG = Hawk's Landing Golf Course

IEM = Isthmus Engineering & Manufacturing

LS = Leopold School

MDS = Mendota School

SH = Shorewood Hills Fire Dept

TRUAX = Dane County Airport Terminal