

DISINFECTION BY-PRODUCTS RESULTS (2011)

Water Utility Towers, Reservoirs, and Pump Stations

DISINFECTION BY-PRODUCTS	MAXIMUM	UNITS	MCL	MCLG	#106	#106	#128	#225	#225	#229	#229	#315	#315
					2/7	8/17	8/17	2/8	8/16	2/8	8/16	2/8	8/16
Bromodichloromethane*	3.8	ppb	--	--	1.9	2.6	[0.31]	[0.24]	[0.66]	1.8	3.8	0.9	2.3
Bromoform*	1.9	ppb	--	zero	1.9	1.5	<0.33	<0.33	<0.33	<0.33	[0.61]	[0.66]	[0.53]
Chloroform*	2.7	ppb	--	zero	1.1	1.5	[0.27]	[0.18]	0.55	1.8	2.7	0.5	1.5
Dibromochloromethane*	3.0	ppb	--	60	3.0	3.0	<0.27	<0.27	[0.49]	1.2	2.8	1.2	1.8
Total Trihalomethanes (TTHM)	9.9	ppb	80*	--	7.9	8.6	0.58	0.42	1.7	4.8	9.9	3.2	6.1
Dibromoacetic acid	1.0	ppb	--	--	NS	0.90	<0.092	NS	[0.13]	NS	0.69	NS	NS
Dichloroacetic acid	[0.90]	ppb	--	zero	NS	<0.51	<0.51	NS	<0.51	NS	[0.90]	NS	NS
Monobromoacetic acid	0.0	ppb	--	--	NS	<0.27	<0.27	NS	<0.27	NS	<0.27	NS	NS
Monochloroacetic acid	0.0	ppb	--	--	NS	<0.40	<0.40	NS	<0.40	NS	<0.40	NS	NS
Trichloroacetic acid	[0.35]	ppb	--	0.3	NS	<0.15	<0.15	NS	<0.15	NS	[0.35]	NS	NS
Total Haloacetic Acid (HAA5)	1.9	ppb	60*	--	NS	0.90	ND	NS	0.13	NS	1.9	NS	NS

Distribution System Locations

FS-5	HLG	IEM	LS	MDS	WANG
8/16	8/17	8/16	8/17	8/16	8/16
1.0	1.6	2.4	[0.61]	0.72	[0.26]
1.4	<0.33	[0.86]	<0.33	<0.33	<0.33
[0.35]	1.6	1.4	0.67	0.50	[0.15]
2.0	1.1	2.3	[0.40]	[0.58]	[0.38]
4.8	4.3	7.0	1.7	1.8	0.79
1.0	[0.30]	0.56	[0.11]	[0.22]	0.48
<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
1.0	0.30	0.56	0.11	0.22	0.48

[] = 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

WANG = Wisconsin Army National Guard