

Concentrations (mg/L) of disinfection by-products (DBP) in drinking water from St. John's (NF) and Kemptville College for Total Diet Study in 2001

DBP	Bay Bulls Big Pond, St. John's					Windsor Lake, St. John's					Kemptville College				
	R	T	D1	D2	D3	R	T	D1	D2	D3	S1	S2	S3	S4	S5
Monochloroacetic acid	<0.1	0.7	1.0	0.8	1.0	<0.1	1.2	0.9	1.0	0.5	na	<0.1	na	na	na
Dichloroacetic acid	0.2	2.7	7.1	3.9	6.2	0.2	25.9	20.3	13.0	4.7	na	0.3	na	na	na
Trichloroacetic acid	<0.1	0.7	1.1	1.2	1.7	<0.1	18.9	13.7	17.6	3.3	na	<0.1	na	na	na
Monobromoacetic acid	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	na	<0.1	na	na	na
Dibromoacetic acid	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	0.3	<0.1	na	1.2	na	na	na
Bromochloroacetic acid	<0.1	0.1	0.2	0.1	0.1	<0.1	2.6	2.2	1.0	0.1	na	0.2	na	na	na
Bromodichloroacetic acid	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.4	0.9	1.2	0.1	na	<0.1	na	na	na
Chlorodibromoacetic acid	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	na	<0.1	na	na	na
Chloroform	<0.1	1.2	2.2	2.3	3.0	0.1	21.0	14.2	21.1	23.3	na	0.2	na	na	na
Bromodichloromethane	<0.1	0.3	0.3	0.5	0.7	<0.1	5.5	4.4	5.4	5.0	na	0.6	na	na	na
Chlorodibromomethane	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	0.8	0.6	0.7	0.5	na	1.7	na	na	na
Bromoform	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	na	2.9	na	na	na
Total Trihalomethanes	<0.1	1.5	2.5	2.8	3.8	0.1	27.3	19.2	27.2	28.8	na	5.3	na	na	na
Trichloroacetonitrile	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	na	<0.1	na	na	na
Dichloroacetonitrile	<0.1	0.1	0.1	0.1	0.2	<0.1	1.2	0.8	1.1	0.5	na	<0.1	na	na	na
Bromochloroacetonitrile	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.1	<0.1	na	0.2	na	na	na
Dibromoacetonitrile	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	na	0.8	na	na	na
1,1-Dichloro-2-propanone	<0.1	0.8	1.2	1.2	1.3	<0.1	0.7	0.6	1.1	0.5	na	<0.1	na	na	na
1,1,1-Trichloro-2-propanone	<0.1	0.5	0.7	0.8	1.1	<0.1	4.1	3.6	3.9	1.6	na	<0.1	na	na	na
Chloral Hydrate	<0.1	0.5	0.6	0.6	0.8	<0.1	4.2	2.6	4.2	0.7	na	<0.1	na	na	na
Chloropicrin	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	0.2	0.2	0.1	<0.1	na	<0.1	na	na	na
Cyanogen chloride	<0.1	0.2	0.4	0.4	0.4	<0.1	1.0	0.7	1.0	0.3	na	<0.1	na	na	na

Water type:

Bay Bulls Big Pond, St. John's

R raw water - Bay Bulls Big Pond

T plant effluent - plant

D1 distribution system - Mt Pearl fire station (10 km)

D2 distribution system - M Brown - Paradise (15 km)

D3 distribution system - Valley View Convenience - CBS (18 km)

Windsor Lake, St. John's

R raw water - Windsor Lake

T plant effluent - plant

D1 distribution system - Kent Pond fire station (5 km)

D2 distribution system - KFC (7.5 km)

D3 distribution system - Irving - Water St (9.5 km)

Kemptville College

na not analysed

S1 Sink #1 - preparation room

S2 Sink #2 - preparation room

S3 Sink #3 - preparation room

S4 Sink #4 - preparation room

S5 Sink #5 - preparation room