

Town of Yarmouth

BV Labs

Report Date: 2019/12/18

ELEMENTS BY ICP/MS (WATER)

BV Labs										
Sampling Date		2019-12-11	2019-12-11	2019-12-11	2019-12-11	2019-12-11	2019-12-11	2019-12-11	2019-12-11	
sampling location		A	B	C	D	E	F	G	Treatment Facility	
	UNITS									
Metals/Elements	Parts Per Billion (µg/L)									Maximum Acceptable Concentration (MAC) µg/l
Total Aluminum (Al)	µg/l	42	43	41	39	38	44	44	43	2,900.0
Total Antimony (Sb)	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	6.0
Total Arsenic (As)	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	10.0
Total Barium (Ba)	µg/l	2.7	2.8	2.7	2.7	2.9	3.1	3.0	2.9	1,000.0
Total Beryllium (Be)	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	4.0
Total Bismuth (Bi)	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	none given or required
Total Boron (B)	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	5000.0
Total Cadmium (Cd)	µg/l	ND	0.014	0.012	0.014	0.011	0.013	ND	0.011	5.0
Total Calcium (Ca)	µg/l	10000	10000	11000	11000	11000	11000	11000	10000	none given or required
Total Chromium (Cr)	µg/l	ND	1.1	1.0	ND	ND	1.2	1.1	ND	50.0
Total Cobalt (Co)	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	none given or required
Total Copper (Cu)	µg/l	8.4	19	5.0	21	ND	1.1	7.2	0.68	2,000.0
Total Iron (Fe)	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	none
Total Lead (Pb)	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	5.0 ALARA ¹
Total Magnesium (Mg)	µg/l	720	740	710	720	730	760	710	730	none given or required
Total Manganese (Mn)	µg/l	2.1	3.7	ND	ND	ND	ND	ND	4.8	120.0
Total Molybdenum (Mo)	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	none given or required
Total Nickel (Ni)	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	none given or required
Total Phosphorus (P)	µg/l	310	310	320	290	320	320	320	ND	none given or required
Total Potassium (K)	µg/l	370	360	350	360	370	380	350	350	none given or required
Total Selenium (Se)	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	50.0
Total Silver (Ag)	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	none given or required
Total Sodium (Na)	µg/l	15000	16000	15000	15000	15000	16000	15000	15000	none
Total Strontium (Sr)	µg/l	11	12	12	11	12	13	12	11	7,000.0
Total Thallium (Tl)	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	none given or required
Total Tin (Sn)	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	none given or required
Total Titanium (Ti)	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	none given or required
Total Uranium (U)	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	20.0
Total Vanadium (V)	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	none given or required
Total Zinc (Zn)	µg/l	230	280	230	230	230	240	220	17	none given or required

¹ As Low As Reasonably Achievable

The test results of all parameters are **BELOW** the Canadian Drinking Water Guideline Maximum Acceptable Concentrations

ND = Not detected

µg/L = parts per billion