

Pointe Claire regulations state that municipal swimming pools must be closed when the concentration of chlorine in the water is less than 0.3ppm or greater than 5 ppm.

The table below lists the concentration of chlorine in water samples taken from four swimming pools.

Table 1- Concentration of Chlorine in the Water From Four Swimming Pools

Swimming Pool	Concentration of chlorine
1	0.00002% (m/V)
2	0.0004% (m/V)
3	0.0004 g/L
4	0.0058 g/L

Which of these pools has water that complies with these regulations?

Answer:

Pool #1 = 0.00002g/100mL (% is always on 100)  
= 0.02mg/ 0.1L  
= 0.2 ppm

Pool #2 = 0.0004g/100mL  
= 0.4mg/0.1L  
= 4 ppm

Pool #3 = 0.0004g/L  
= 0.4mg/L  
= 0.4 ppm

Pool #4 = 0.0058 g/L  
= 5.8mg/L  
= 5.8 ppm

Pool #2 and #2 comply with this regulation.