## Task:

What is the oxygen concentration in parts per million of a sample of lake water that has a mass of 310g and contains 2.24mg of dissolved oxygen?

## Solution:

ppm — parts per million;

ppm(O2) = m(O2)/m(solution)\*1000 000;

m(O2) — mass of dissolved oxygen [grams];

m(solution) — mass of solution [grams];

ppm(O2) = 2.24\*10<sup>-3</sup>/310\*1000 000 = 7.2 ppm;

## Answer: 7.2 ppm

## Answer provided by AssignmentExpert.com