Answer on Question #80059, Chemistry / Organic Chemistry

A 20.5 mL sample of a salt solution has a mass of 24.5 g. Express the density in grams per milliliter to three significant figures

Solution

$$d = \frac{m}{V} = \frac{24.5\ g}{20.5\ mL} = 1.20\ g/mL$$

Answer: 1.20 g/mL