

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

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

Answer: 1.20 g/mL

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