Answer on Question #86135 - Chemistry - General Chemistry

Question:

How many milliliters of an aqueous solution of 0.126 M iron(II) nitrate is needed to obtain 16.3 grams of the salt?

_____ mL

Solution:

M (Fe(NO3)2) = 180 g/mol; n (Fe(NO3)2) = 16.3/180 = 0.09 mol; c = n/V;

V = n/c = 0.09/0.126 = 0.7143 = 714.3 mol.

Answer: 714.3 mol.

Answer provided by www.AssignmentExpert.com