Question \#47592, Chemistry, Inorganic Chemistry
Mass fraction of ${ }^{204} \mathrm{~Pb}$ is $1.4 \%$. So, mass of ${ }^{204} \mathrm{~Pb}$ is the sample is:

$$
\begin{gathered}
m_{204} P b \\
=\frac{1.4 * 857}{100}=11.998 \mathrm{~g} \\
v_{204} P b \\
\\
N_{204}{ }_{P b}=0.059 * 6.02 * 10^{23}=3.598 * 10^{22}
\end{gathered}
$$

