Suppose there are N different measurand (e.g. SUVR) values (i.e. N=6) and J measurements performed at each (J=5).

For each measurand value,calculate the mean of the J measurements and the wSD:

 $\overbar{Y}\_{i}=\sum\_{}^{}(Y\_{ij})/J$ and $wSD\_{i}^{2}=\sum\_{}^{}(Y\_{ij}-\overbar{Y}\_{i})^{2}/(J-1)$.

Estimate wCV:

$wCV=\sqrt{\sum\_{i=1}^{N}(wSD\_{i}^{2} /\overbar{Y}\_{i}^{2})/N}$.

Estimate the % Repeatability Coefficient (%RC):

$\hat{\%RC}=2.77×wCV×100$.