Screen for outliers, calculate weighted mean stats and MSWD, single population?? =

(propagate variability in

common-Pb composition)

8. Propagate systematic uncertainties

1. ratio uncertainty RM ()
2. long term variance of validation material (’)
3. 
4. model common-Pb ratio uncertainty ()

7. Data population age

(n > 1, e.g. igneous popn)

7. Individual age

(n = 1, e.g. detrital spot)

5. Normalise data using reference material (RM) and

determine excess scatter (using RM) resulting in

MSWD = 1, add to each data point

(Correct for common-Pb (1))

Subtract gas blanks

At signal integration level

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3. Correct for LIEF

2. Calculate ratios

Measure peaks

1. Measure gas blank

4. Calculate ratio mean

Reduction workflow

Uncertainty workflow

*s*blank

6. Correct for common-Pb (2) and propagate uncertainty