

Do you have missing components?

yes

no

Do you impute and know the detection limits?

WQS Regression:
estimate.wqs()

yes

no

How many chemicals have under
80% of their values BDL?

many

Use BDLQ1 approach: *estimate.wqs()*

few

Do you want to create one or many
imputed datasets?

one

many
(recommended)

Single Imputation (not recommended)

1. Select your imputation method of choice, bootstrap or Bayesian
impute.boot() or
impute.univariate.bayesian.mi()
2. Do WQS: *estimate.wqs()*

Multiple Imputation (recommended)

1. Select your imputation method of choice, bootstrap or Bayesian: *impute.boot()* or
impute.univariate.bayesian.mi()
2. Do WQS: *do.many.wqs()*
3. Pool the results: *pool.mi()*