

Figure A

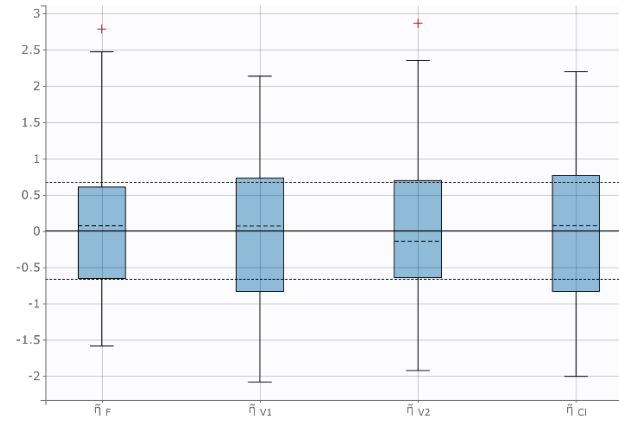


Figure B

Supplemental Figure. (A): Scatter plots of model residuals (Individual Weighted Residual, IWRES) vs. predicted CEF concentrations. Brown line: regression curve; red dots: censored (i.e. below the quantification limit) data. A suitable model should have the following features: (i) residuals (IWRES) should be centered around a mean value of 0 (i.e. the regression curve should mirror a horizontal line of $y=0$), (ii) a homogeneous distribution about the mean. (B) Boxplot of the distribution of the random effects (η_i). Box: 1st quartile, median and 3rd quartile; Whiskers: ± 1.5 interquartile range; Red crosses: statistical outliers. The normality of the random effects was further confirmed by the homogeneous distribution of the random effects (η_i) around a mean value of 0.