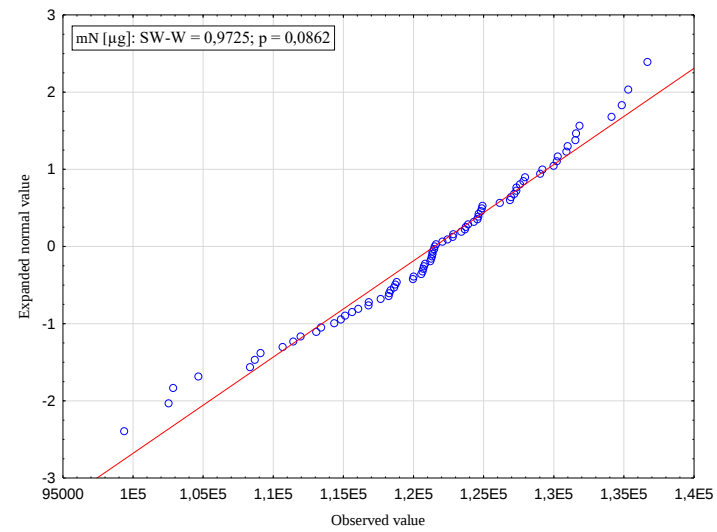
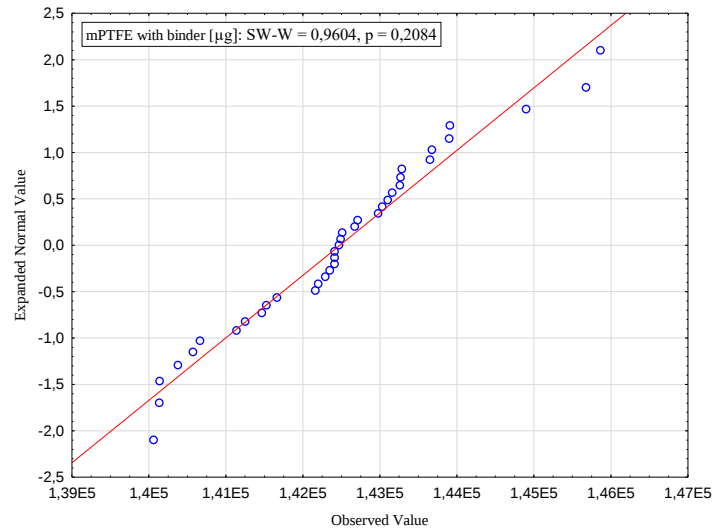
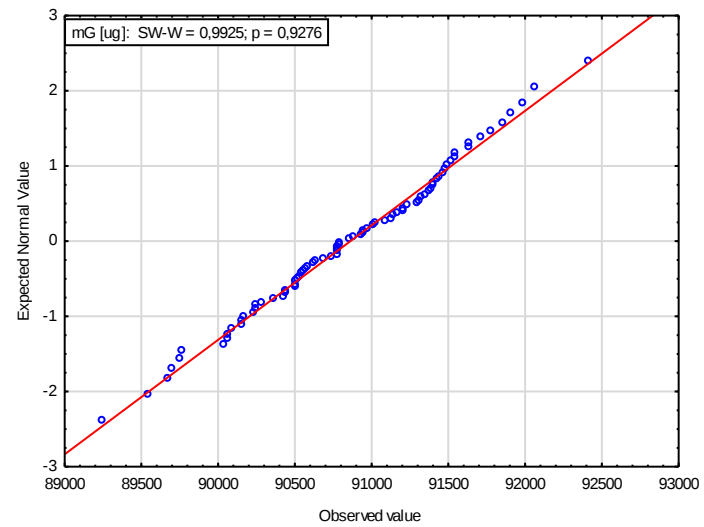
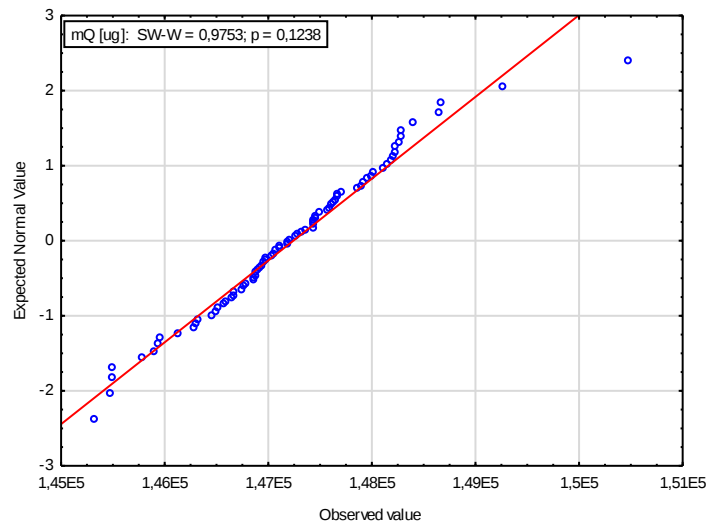




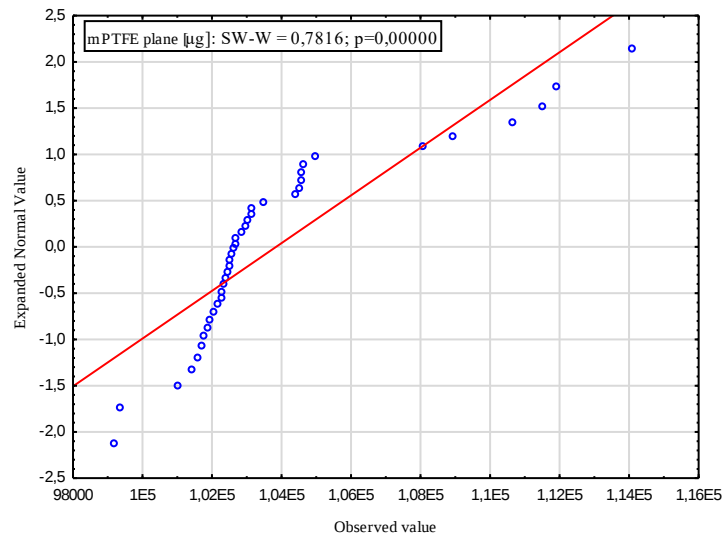


Fig S1. Results from normality testing using Shapiro-Wilk test ($p < 0.05$). Distribution of filter masses [μg] under differentiating humidity and temperature conditions.

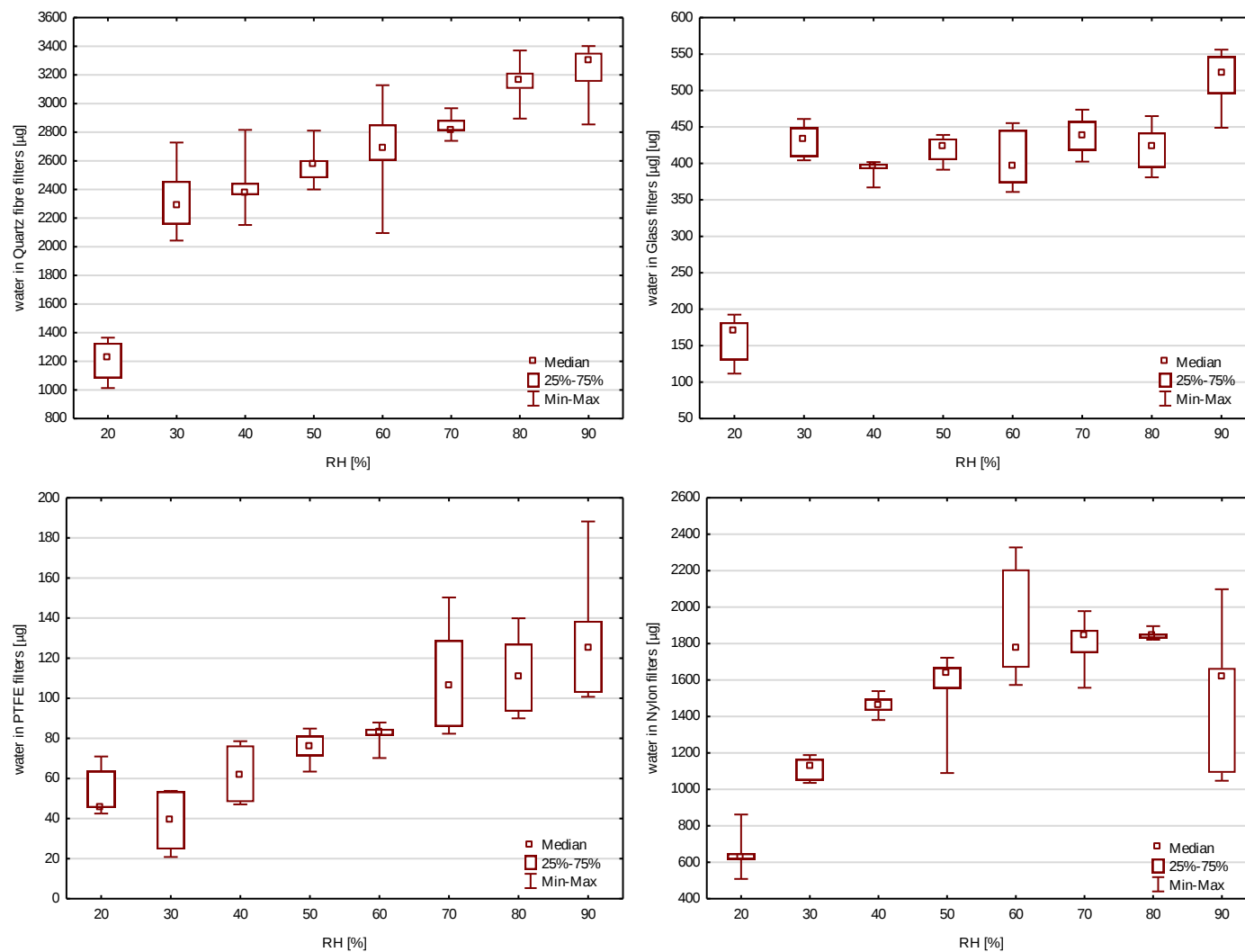
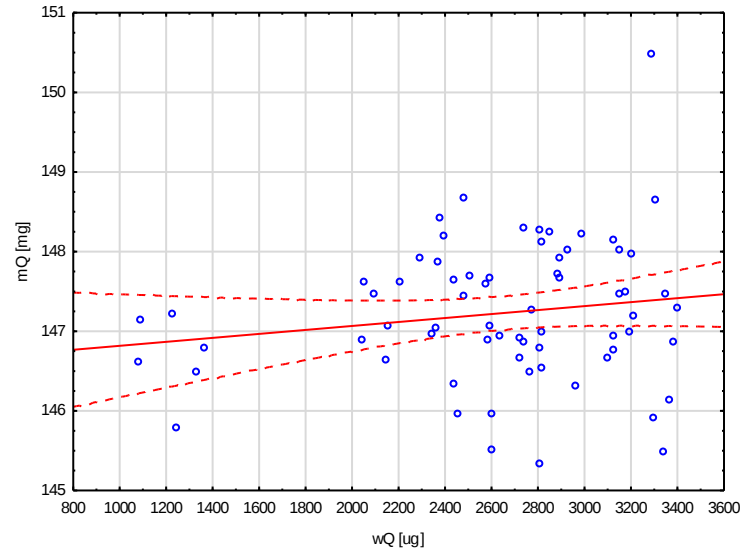
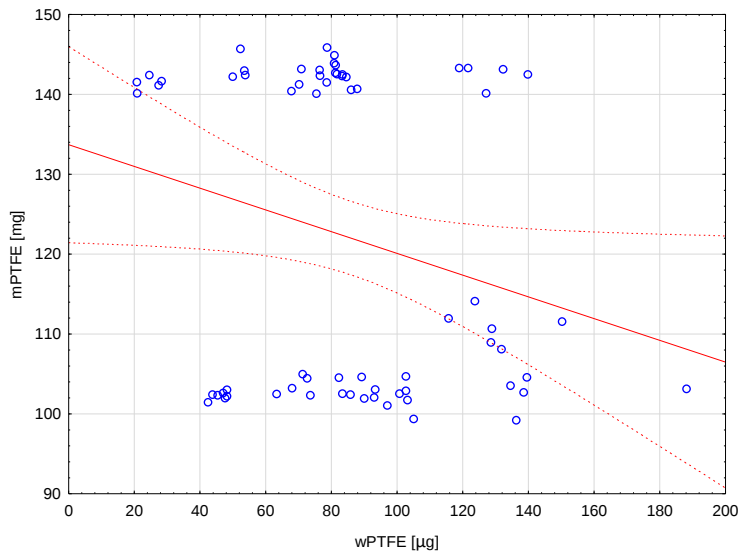
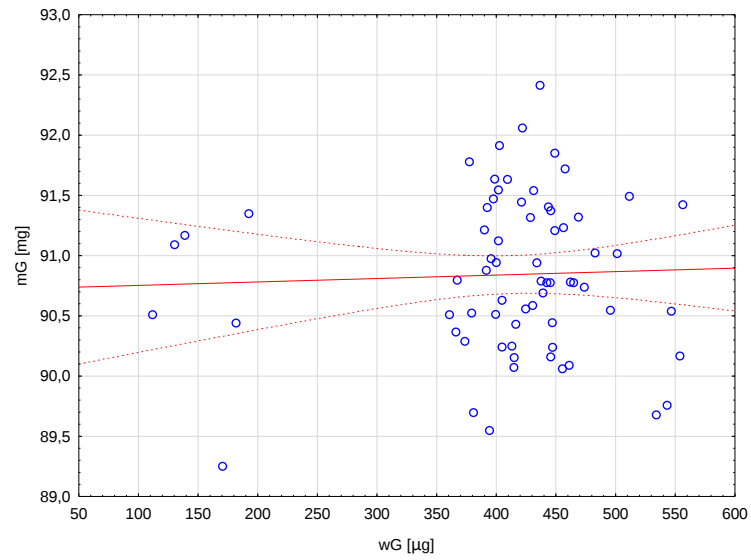
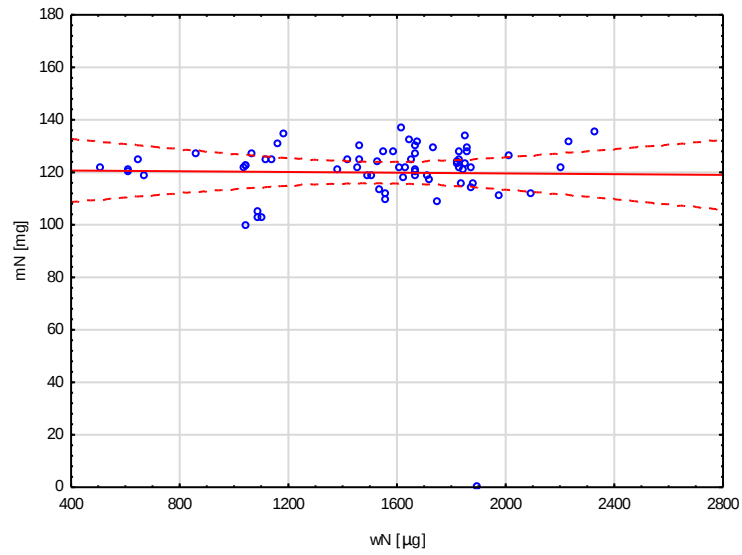


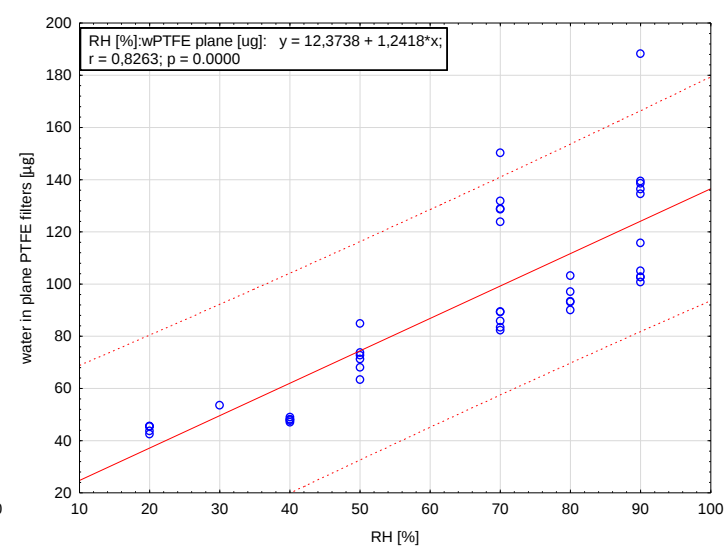
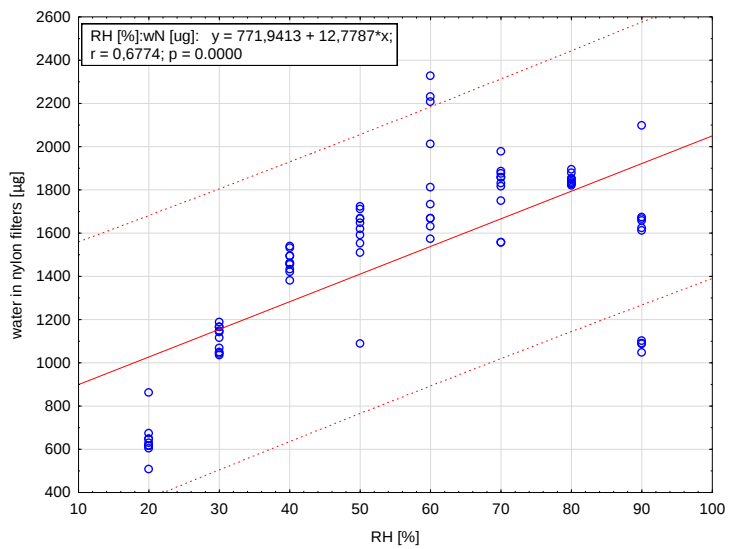
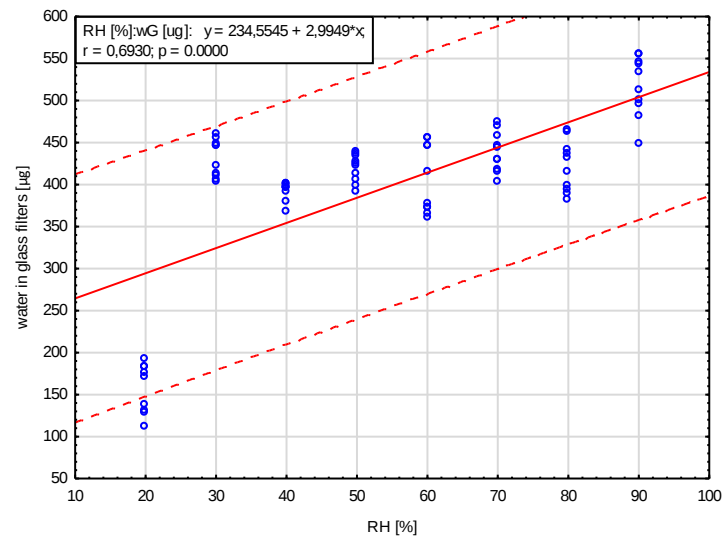
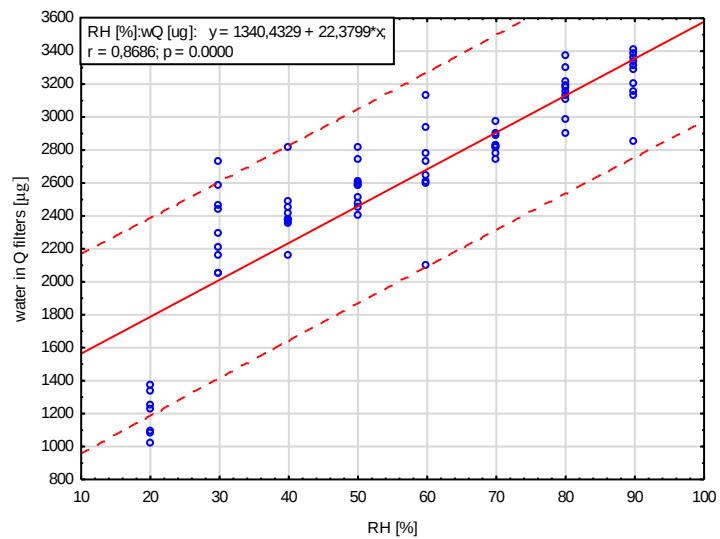
Fig S2. Median, 25 and 75% percentiles and min/max values of water contents (calculated as absolute mass [μg]) in different types of filter blanks under variable humidity conditions (20-90%).



2

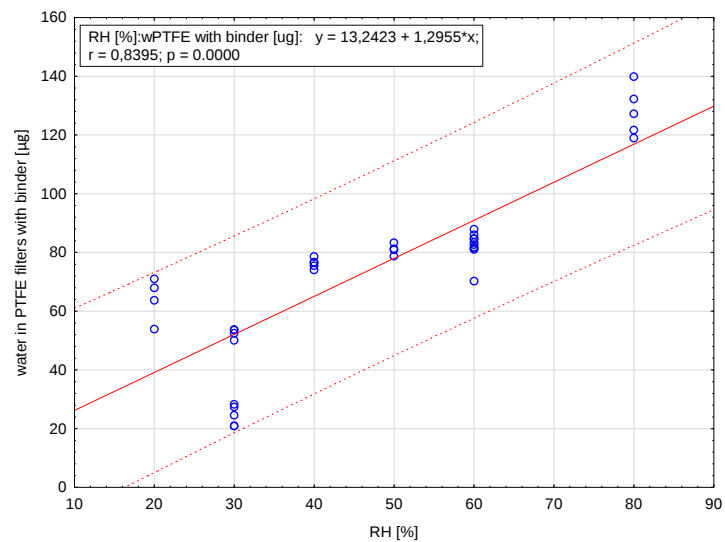
3

4 **Fig S3.** Scatter charts presenting the strength of the correlation between averaged filter mass [mg] and absolute water contents [μg]



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8 **Fig S4.** Scatter charts presenting the regression results between averaged filter-bound water contents [µg] and humidity [%], together with correlation
 9 coefficients (r).

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