Supplementary Material

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Optimizing GC-ICP-MS for ultra-trace quantification of PBDEs in natural water samples using species-specific isotope dilution

Adriana Gonzalez-Gago, Daniel Pröfrock* and Andreas Prange

Helmholtz Zentrum Geesthacht - Zentrum für Material und Küstenforschung, Institute for Coastal Research, Department Marine Bioanalytical Chemistry

Max-Planck Str. 1, 21502 Geesthacht, Germany

*Corresponding author: daniel.proefrock@hzg.de
Figure S1 Effect of (a) the extraction lens 1 (b) the deflection and (c) the plate bias voltage settings on the signal to noise ratio of the selected PBDE congeners when using GC-ICP-MS conditions. Calculations were based on the $^{79}$Br signal
Figure S2 (a) Effect of the octopole bias voltage settings on the signal to noise ratio of the selected PBDE congeners when using GC-ICP-MS conditions. Calculations were based on the $^{79}$Br signal. The quadrupole bias was always set to a 2 V more positive voltage. (b) Effects of the He cell gas flow rate at an octopole/quadrupole bias setting of -16/-14 V respectively.
Figure S3 Optimisation of the optional plasma gas flow for (a) Helium and (b) Nitrogen