

Electronic supplementary information

Screening of sulfonamides in waters based on miniaturized solid phase extraction and microplate spectrophotometric detection

Patrícia S. Peixoto^a, Ildikó V. Tóth^b, Sandia Machado^a, Luisa Barreiros^a, Ana Machado^c, Adriano A. Bordalo^c, José L. F. C. Lima^b, Marcela A. Segundo^{a,*}

^a UCIBIO, REQUIMTE, Department of Chemical Sciences, Faculty of Pharmacy, University of Porto, R Jorge Viterbo Ferreira, 228 4050-313, Porto, Portugal

^b LAQV, REQUIMTE, Department of Chemical Sciences, Faculty of Pharmacy, University of Porto, R Jorge Viterbo Ferreira, 228 4050-313, Porto, Portugal

^c ICBAS, Institute of Biomedical Sciences, University of Porto, R Jorge Viterbo Ferreira, 228 4050-313, Porto, Portugal and CIIMAR

**corresponding author:*

Marcela A. Segundo

Address: R Jorge Viterbo Ferreira, 228, 4050-313 Porto, Portugal

Tel: +351 220428676

Fax: +351 226093483

E-mail address: msegundo@ff.up.pt

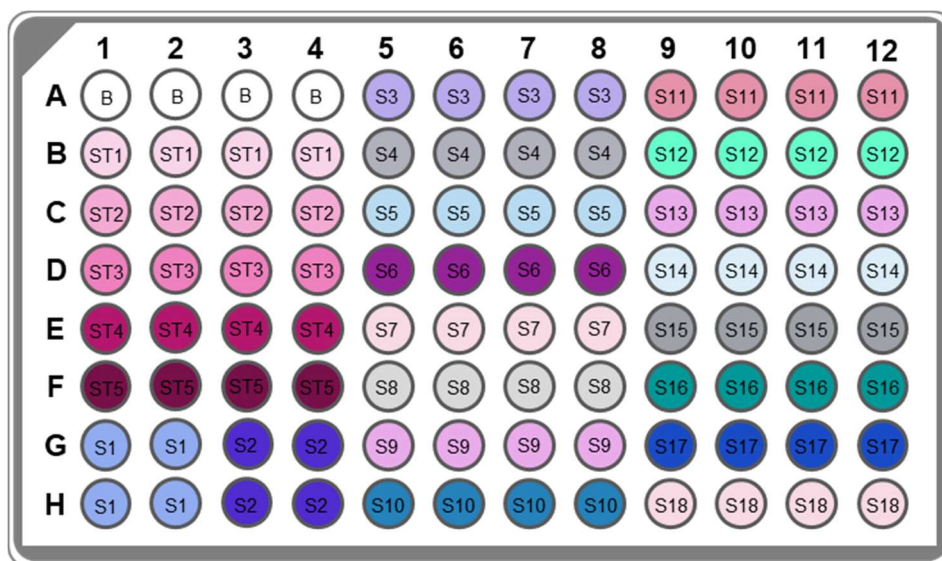


Figure S1. Representation of the 96-well microplate scheme used for determination of sulfonamides after μ SPE. B: sample blank, using eluent solution (methanol + 0.1% (v/v) NH_4OH) instead of standard solution (A1-A4 wells); St1-5: standard solutions applied for establishing the calibration curve from B1-F4 wells, 5.0, 10, 15, 20, and 25 $\mu\text{g L}^{-1}$ in sulfamethoxazole; other wells: extracted samples analyzed in quadruplicate.