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Supplementary Material

A rapid method for the analysis of perfluorinated alkyl substances in serum by hybrid solid phase extraction

Masato Honda^A, Morgan Robinson^A, Kurunthachalam Kannan^{A,B,C,D}

^AWadsworth Center, New York State Department of Health, Empire State Plaza, Albany, NY 12201-0509, USA.

^BDepartment of Environmental Health Sciences, School of Public Health, State University of New York at Albany, Empire State Plaza, PO Box 509, Albany, NY 12201-0509, USA.

^CBiochemistry Department, Faculty of Science and Experimental Biochemistry Unit, King Fahd Medical Research Center, King Abdulaziz University, Jeddah 21589, Saudi Arabia.

^DCorresponding author. Email: kurunthachalam.kannan@health.ny.gov

Fig. S1. Chromatogram of PFHxA background in five different protein-precipitation (extraction) solvents: solvent only, solvent used for prewash, method blank. solvent 1, 1% formic acid in acetonitrile; solvent 2, 1% formic acid in methanol; solvent 3, 0.5% citric acid in acetonitrile; solvent 4, 0.5% citric acid in methanol; solvent 5, 1% ammonium formate in methanol.

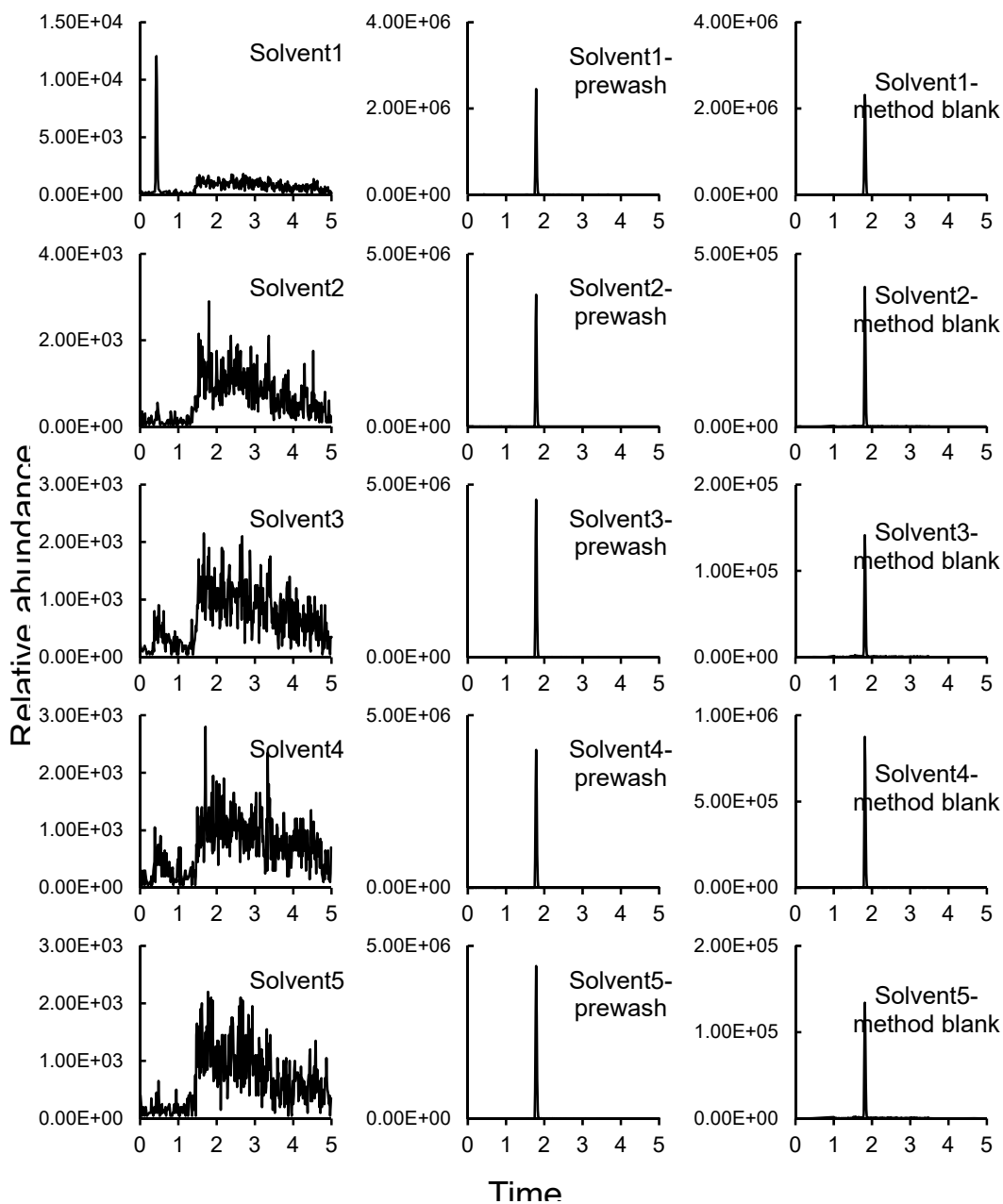


Table S1. Instrumental conditions for PFASs analysis.

Column	Acquity UPLC BEH C18 (1.7 μ m, 50 \times 2.1 mm)		
Mobile phase A	Methanol		
Mobile phase B	0.1% Ammonium acetate in water		
Flow rate (mL/min)	0.3		
injection volume (μ L)	3		
Gradients	Time (min)	A (%)	B (%)
	Initial	10	90
	0.75	10	90
	1.00	70	30
	2.00	75	25
	3.20	100	0
	4.10	100	0
	4.20	10	90
	5.00	10	90
Ionization mode	ESI		
Polarity	Negative		
Curtain Gas	30		
Collision Gas	12		
IonSpray Voltage	-4500		
Temperature	600		
Ion Source Gas 1	65		
Ion Source Gas 2	65		