

Supporting information

Native standards used in the present study are listed in Table S1. 8:2 FTUCA were from Asahi Glass Co. Ltd. (Tokyo, Japan). PFPrA were from Daikin Industries (Osaka, Japan). PFAC-MXB (mixture of PFBS, PFHxS, PFOS, PFDS, PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFNA, PFDA, PFUnDA, PFDoDA, PFTrDA, PFTeDA, PFHxDA and PFOcDA) and other individual native standards were from Wellington Laboratories Inc. (Guelph Ontario, Canada) as mixture in methanol/water (< 1 %). The purity of all perfluoroalkyl carboxylates and sulfonates have between 95 % and 98 %.

Table S1 Native standards used in the present study.

Name	Acronym
Sodium perfluoro-1-ethanesulfonate	PFEtS
Sodium perfluoro-1-propanesulfonate	PFPrS
Potassium perfluoro-1-butanesulfonate	PFBS
Sodium perfluoro-1-hexanesulfonate	PFHxS
Sodium perfluoro-1-octanesulfonate	PFOS
Sodium perfluoro-1-decanesulfonate	PFDS
Perfluoro-1-octanesulfonamide	FOSA
<i>N</i> -ethylperfluoro-1-octanesulfonamide	<i>N</i> -EtFOSA
<i>N</i> -ethylperfluoro-1-octanesulfonamidoacetic acid	<i>N</i> -EtFOSAA
Perfluoro- <i>n</i> -propanoic acid	PFPrA
Perfluoro- <i>n</i> -butanoic acid	PFBA
Perfluoro- <i>n</i> -pentanoic acid	PFPeA
Perfluoro- <i>n</i> -hexanoic acid	PFHxA
Perfluoro- <i>n</i> -heptanoic acid	PFHpA
Perfluoro- <i>n</i> -octanoic acid	PFOA
Perfluoro- <i>n</i> -nonanoic acid	PFNA
Perfluoro- <i>n</i> -decanoic acid	PFDA
Perfluoro- <i>n</i> -undecanoic acid	PFUnDA
Perfluoro- <i>n</i> -dodecanoic acid	PFDoDA
Perfluoro- <i>n</i> -tridecanoic acid	PFTrDA
Perfluoro- <i>n</i> -tetradecanoic acid	PFTeDA
Perfluoro- <i>n</i> -hexadecanoic acid	PFHxDA
Perfluoro- <i>n</i> -octadecanoic acid	PFOcDA
2H-Perfluoro-2-decenoic acid	8:2FTUCA