

**Supplementary table 1.** Serum concentrations ( $\mu\text{g/g}$  lipid) of polychlorinated biphenyls (PCBs), persistent organic pollutants (POPs) and perfluorinated alkylate substances (PFAS). Results shown as medians and range.

Exposure	All men (=263)		
	% >LOD	Median	Range
PCB28	92	0.01	0.002-0.02
PCB52	66	0.007	0.001-0.01
PCB101	54	0.007	0.0007-0.02
PCB118	91	0.04	0.002-0.15
PCB153	100	0.230	0.02-0.67
PCB105	77	0.009	0.001-0.02
PCB156	75	0.008	0.001-0.02
PCB180	99	0.16	0.009-0.50
PCB138	99	0.19	0.01-0.53
$\Sigma\text{PCB}$	100	1.17	0.1-3.4
PFOA	100	2.77	0.93-20.43
PFHxS	100	0.81	0.18-2.46
PFNA	100	1.49	0.61-18.10
PFDA	100	0.52	0.16-4.59
brPFOS	100	7.36	0.86-27.73
nPFOS	100	12.16	3.48-45.12
PFOS	100	19.52	4.34-72.85

Abbreviation: LOD= limit of detection; CI= confidence interval;  $\Sigma\text{PCB}=(\text{PCB } 138 + \text{PCB } 153 + \text{PCB } 180)*2$ ; PCB= polychlorinated biphenyls; HCB=hexachlorobenzene; betaHCH=beta hexachlorocyclohexane; pp-DDE=p,p'-Dichlorodiphenyldichloroethylene; PFOS=perfluorooctane sulfonic acid; PFOA=perfluorooctanoic acid; PFHxS=perfluorohexanesulfonic acid, PFNA=perfluorononanoic acid and PFDA =perfluorodecanoic acid).