Additional file 1

Serum levels of environmental pollutants is a risk factor for breast cancer in Inuit: A case control study

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Limit of detection (LOD) of the measure compounds and the detection frequencies in the total samples set and the two collection periods separately

	Total	2000-2003		2011-2014	
Compound	**% Above LOD**	LOD	% Above LOD	LOD	% Above LOD
PFBS*	**0.0**			0.02 ng/ml	0.0
PFHxS	**98.8**	0.4 ng/ml	96.8	0.03 ng/ml	100.0
PFHpS*	**95.0**			0.04 ng/ml	95.0
PFOS	**100.0**	0.1 ng/ml	100.0	0.09 ng/ml	100.0
PFDS*	**2.0**			0.12 ng/ml	2.0
PFOSA	**27.3**	0.2 ng/ml	69.4	0.40 ng/ml	1.0
PFPeA*	**0.0**			0.06 ng/ml	0.0
PFHxA*	**0.0**			0.01 ng/ml	0.0
PFHpA	**72.1**	0.1 ng/ml	51.6	0.02 ng/ml	84.9
PFOA	**96.9**	0.4 ng/ml	91.9	0.07 ng/ml	100.0
PFNA	**96.3**	0.5 ng/ml	90.3	0.09 ng/ml	100.0
PFDA	**99.4**	0.1 ng/ml	98.4	0.03 ng/ml	100.0
PFUnA	**98.1**	0.2 ng/ml	95.2	0.05 ng/ml	100.0
PFDoA	**57.1**	0.3 ng/ml	54.8	0.14 ng/ml	58.6
PFTrA	**35.4**	0.3 ng/ml	69.4	0.14 ng/ml	14.1
PFTeA*	**0.0**			0.14 ng/ml	0.0
Aldrin*	0.0			0.01 µg/L	0.0
Cis-Nonachlor	**99.3**	0.04 µg/L	100.0	0.005 µg/L	99.0
Trans-Nonachlor	**99.3**	0.04 µg/L	100.0	0.01 µg/L	99.0
HCB	**100.0**	0.04 µg/L	100.0	0.04 µg/L	100.0
Mirex	**94.7**	0.04 µg/L	100.0	0.01 µg/L	91.9
Oxychlordane	**100.0**	0.04 µg/L	100.0	0.005 µg/L	100.0
alpha-Chlordane*	2.0			0.01 µg/L	2.0
gamma-Chlordane*	0.0			0.005 µg/L	0.0
p,p'-DDE	**100.0**	0.08 µg/L	100.0	0.09 µg/L	100.0
p,p'-DDT	**69.3**	0.08 µg/L	90.6	0.05 µg/L	58.2
ß-HCH	**99.3**	0.08 µg/L	100.0	0.01 µg/L	99.0
PBB153*	**17.2**			0.03 µg/L	17.2
PBDE15*	**0.0**			0.03 µg/L	0.0
PBDE17*	**0.0**			0.03 µg/L	0.0
PBDE25*	**0.0**			0.03 µg/L	0.0
PBDE28*	**0.0**			0.03 µg/L	0.0
PBDE33*	**3.0**			0.03 µg/L	3.0

PBDE47*	**7.1**			0.03 µg/L	7.1
PBDE99*	**0.0**			0.02 µg/L	0.0
PBDE100*	**1.0**			0.02 µg/L	1.0
PBDE153*	**8.1**			0.03 µg/L	8.1
PCB28*	**9.3**			0.05 µg/L	9.3
PCB52*	**0.0**			0.3 µg/L	0.0
PCB99	**96.9**	0.04 µg/L	100.0	0.03 µg/L	95.0
PCB101	**53.6**	0.04 µg/L	75.5	0.03 µg/L	42.4
PCB105	**92.1**	0.04 µg/L	98.1	0.01 µg/L	88.9
PCB128*	**49.4**			0.01 µg/L	49.4
PCB138	**100.0**	0.04 µg/L	100.0	0.01 µg/L	100.0
PCB153	**100.0**	0.04 µg/L	100.0	0.01 µg/L	100.0
PCB156	**98.0**	0.04 µg/L	100.0	0.01 µg/L	97.0
PCB170	**100.0**	0.04 µg/L	100.0	0.01 µg/L	100.0
PCB180	**100.0**	0.04 µg/L	100.0	0.01 µg/L	100.0
PCB183	**98.0**	0.04 µg/L	100.0	0.01 µg/L	97.0
PCB187	**100.0**	0.04 µg/L	100.0	0.01 µg/L	100.0

DL: Detection limit, * only measured in the 2011-2014 samples.