Supplementary Data Depository

Note 1. Organochlorine compounds not quantified

The following organochlorine pesticides were difficult to quantify or not quantifiable because the coefficient of variation (CV) exceeded 70 % and their concentrations were low: *oxy*-chlordane; *trans*-chlordane; *cis*-chlordane; *trans*-nonachlor; *cis*-nonachlor; heptachlor; mirex; PCBs 28, 52, 101, 105, 149, 156, and 194;
o,p′-DDE: 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)ethylene; and
o,p′-DDD: 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)ethane.

Table S1 Lipid–adjusted levels (ng/g) of PCBs and pesticides in maternal serum samples from Northern Norway

Compound[a]	n	2nd trimester pregnancy (P1) Concentration (ng/g) lipid weight				n[b]	3 days postpartum (P2) Concentration (ng/g) lipid weight				n[b]	6 weeks postpartum (P3) Concentration (ng/g) lipid weight			
		GM[c]	AM[d]	SD	Min-Max		GM[c]	AM[d]	SD	Min-Max		GM[c]	AM[d]	SD	Min-Max
PCB-99	50	2.0	2.2	1.0	0.6-5.3	49	1.8	2.0	1.1	0.5-5.0	49	1.8	2.0	1.0	0.4-4.1
PCB-101	48	0.8	0.9	0.3	0.4-1.6	41	0.5	0.5	0.3	0.3-1.7	36	0.8	0.9	0.5	0.4-2.5
PCB-118	48	4.2	4.7	2.1	1.5-10.0	49	3.8	4.3	2.3	1.0-9.3	49	4.1	4.6	2.3	1.0-10.3
PCB-138	50	12.7	14.1	6.5	4.0-28.0	50	12.5	14.0	6.8	2.9-34.8	49	12.2	13.7	6.3	2.6-34.1
PCB-163	49	5.3	6.2	3.6	1.6-17.2	50	4.1	4.7	2.4	0.7-10.8	49	4.0	4.5	2.2	0.8-11.2
PCB-153	50	22.6	25.1	11.8	7.6-55.2	50	22.2	25.1	12.8	5.6-67.9	49	22.2	24.9	12.6	5.1-72.8
PCB-156	47	2.2	2.5	1.2	0.5-5.1	50	2.1	2.4	1.2	0.6-5.1	49	1.9	2.3	1.2	0.6-5.3
PCB-170	46	6.2	7.0	3.6	1.1-15.9	43	6.2	6.9	3.3	2.5-15.8	38	5.8	6.5	3.1	2.2-15.5
PCB-180	50	15.2	17.1	8.2	5.1-36.3	50	15.0	17.0	8.6	4.1-40.0	48	15.1	17.1	8.5	3.5-43.4
PCB-183	49	1.3	1.5	0.7	0.6-3.2	50	1.4	1.5	0.8	0.6-4.0	47	1.4	1.5	0.8	0.6-4.2
PCB-187	50	4.2	4.7	2.4	1.2-11.9	49	4.2	4.8	2.6	0.9-14.6	44	3.7	4.2	2.0	0.6-9.1
PCB-194	50	1.8	2.0	1.1	0.7-4.3	50	1.7	2.0	1.2	0.6-5.1	49	1.6	1.8	1.0	0.7-5.0
p,p′-DDE	50	38.7	42.8	20.4	15.4-107	50	37.8	41.9	20.2	8.4-126	45	42.2	47.1	24.6	8.6-159
HCB	50	9.6	10.4	4.3	4.3-24.0	50	9.2	10.1	4.9	3.3-29.4	50	9.9	10.5	4.4	3.9-28.5
trans-NC	50	2.7	3.3	2.0	0.5-8.7	50	2.9	3.6	2.1	0.4-9.0	50	2.2	2.7	1.5	0.4-6.3
cis-NC	50	0.6	0.7	0.5	0.2-2.8	50	0.6	0.8	0.6	0.2-4.9	50	0.6	0.7	0.5	0.2-2.3

[a]See Table 2 in the article footnote b for full names.
[b]The number of participants (n) varies because the observed ion-mass ratios were unacceptable(see text), the data for PCBs and *p,p′*-DDE are lacking for one individual of the P3 group, and one donor was excluded from the study because she arrived in Norway recently.
[c]GM= Geometric mean; [d]AM= Arithmetic mean with the corresponding SD, minimum(Min) and maximum(Max).

Table S2 Changes in serum concentrations of PCBs and pesticides across the collection periods
P1 (2nd trimester), P2 (3 days postpartum) and P3 (6 weeks postpartum)

Compound	Estimates of change[a,b,c,d,e]	Wet-weight concentrations (pg/g serum) Time periods P1/P3	P2/P3	P2/P1	p[f]	Lipid-adjusted concentrations (ng/g lipid) Time periods P1/P3	P2/P3	P2/P1	p[f]
PCB-99	β	0.146	0.172	0.026		0.044	0.008	-0.035	
	p	**0.000**	**0.000**	**0.027**	**0.000**	**0.005**	0.528	**0.002**	**0.003**
	Ratio	1.40	1.49	1.06		1.11	1.02	0.92	
PCB-118	β	0.104	0.133	0.028		.006	-.031	-0.037	
	p	**0.000**	**0.000**	**0.013**	**0.000**	0.667	**0.002**	**0.008**	**0.002**
	Ratio	1.27	1.36	1.07		1.01	0.93	0.92	
PCB-138	β	0117	0.169	0.052		0.014	0.007	-0.008	
	p	**0.000**	**0.000**	**0.000**	**0.000**	0.214	0.416	0.506	0.429
	Ratio	1.31	1.48	1.13		1.03	1.02	0.98	
PCB-163	β	0.216	0.175	-0.042		0.109	0.012	-0.098	
	p	**0.000**	**0.000**	0.121	**0.000**	**0.000**	0.253	**0.000**	**0.000**
	Ratio	1.64	1.50	0.91		1.29	1.03	0.80	
PCB-153	β	0.108	0.161	0.052		0.006	-0.001	-0.007	
	p	**0.000**	**0.000**	**0.000**	**0.000**	0.573	0.858	0.498	0.788
	Ratio	1.28	1.45	1.13		1.01	1.0	0.98	
PCB-156	β	0.145	0.194	0.049		0.038	0.031	-0.007	
	p	**0.000**	**0.000**	**0.000**	**0.000**	**0.025**	**0.032**	0.591	0.053
	Ratio	1.40	1.56	1.12		1.09	1.07	0.98	
PCB-170	β	0.120	0.199	0.079		0.017	0.036	0.019	
	p	**0.000**	**0.000**	**0.000**	**0.000**	0.438	**0.029**	0.366	0.085
	Ratio	1.32	1.58	1.20		1.04	1.09	1.05	
PCB-180	β	0.105	0.160	0.053		0.004	-0.003	-0.006	
	p	**0.000**	**0.000**	**0.000**	**0.000**	0.746	0.737	0.572	0.847
	Ratio	1.27	1.44	1.13		1.01	0.99	0.99	
PCB-187	β	0.148	0.202	0.055		0.045	0.043	-0.003	
	p	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.795	**0.000**
	Ratio	1.41	1.59	1.14		1.11	1.11	0.99	
p,p'-**DDE**	β	0.068	0.118	0.050		-0.035	-0.044	-0.010	
	p	**0.000**	**0.000**	**0.000**	**0.000**	0.058	**0.000**	0.597	**0.001**
	Ratio	1.17	1.31	1.12		0.92	0.90	0.98	
HCB	β	0.091	0.14	0.043		-0.011	-0.028	-0.017	
	p	**0.000**	**0.000**	**0.001**	**0.000**	0.378	**0.023**	0.183	0.074
	Ratio	1.23	1.36	1.10		0.98	0.94	0.96	
trans-**NC**	β	0.185	0.279	0.095		0.083	0.118	0.035	
	p	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.051	**0.000**
	Ratio	1.53	1.90	1.25		1.21	1.31	1.08	

[a]Analysis was by the linear mixed model; [b]Regression coefficient (β); [c]p-Value refers to the equality across 2 periods ; [d]The ratio corresponds to 10^{β}; [e]In the text, ratios are reported as % change[$(10^{\beta}-1)*100$]; [f]p-Value refers to the equality across the 3 periods.