Environmental Chemicals in an Urban Population of Pregnant Women and their Newborns from San Francisco

Rachel Morello-Frosch, Lara J. Cushing, Bill M. Jesdale, Jackie M. Schwartz, Weihong Guo, Tan Guo, Miaomiao Wang, Suhash Harwani, Syrago-Styliani E. Petropoulou, Wendy Duong, June-Soo Park, Myrto Petreas, Ryszard Gajek, Josephine Alvaran, Jianwen She, Dina Dobraca, Rupali Das, Tracey J. Woodruff

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Table S1 Characteristics of pregnant women participants in the Chemicals in Our Bodies study (2010-11).

	Enrolled (N=92)	Maternal blood sample (N=77)	Maternal/fetal pairs (N=65)
	N (%)	N (%)	N (%)
Race/ethnicity			
Latina	65 (71%)	53 (69%)	48 (74%)
Black	9 (10%)	9 (12%)	6 (9%)
White	7 (8%)	7 (9%)	6 (9%)
Asian/PI	7 (8%)	5 (6%)	3 (5%)
Other	4 (4%)	3 (4%)	2 (3%)
Country of birth			
United States	28 (30%)	26 (34%)	21 (32%)
Mexico	31 (34%)	27 (35%)	23 (35%)
Other	33 (36%)	24 (31%)	21 (32%)
Household income			
< $20,000	32 (38%)	27 (35%)	23 (35%)
$20,000-$39,999	24 (28%)	21 (27%)	17 (26%)
$40,000+	3 (3%)	2 (3%)	2 (3%)
missing	33 (36%)	27 (35%)	23 (35%)

Table S2 List of chemicals measured in the Chemicals in Our Bodies Study

	Acronym	Wet weight MDL (µg/L)
PCBs		
2,3',4,4'-tetrachlorobiphenyl	PCB-66	0.009
2,4,4',5-tetrachlorobiphenyl	PCB-74	0.008
2,2',4,4',5-pentachlorobiphenyl	PCB-99	0.014
2,2',4,5,5'-pentachlorobiphenyl	PCB-101	0.016
2,3,3',4,4'-pentachlorobiphenyl	PCB-105	0.010
2,3',4,4',5-pentachlorobiphenyl	PCB-118	0.014
2,2',3,4,4',5'-hexachlorobiphenyl	PCB-138	0.006
2,2',4,4',5,5'-hexachlorobiphenyl	PCB-153	0.011
2,3,3',4,4',5-hexachlorobiphenyl	PCB-156	0.005
2,2',3,3',4,4',5-heptachlorobiphenyl	PCB-170	0.005
2,2',3,4,4',5,5'-heptachlorobiphenyl	PCB-180	0.007
2,2',3,4,4',5',6-heptachlorobiphenyl	PCB-183	0.012
2,2',3,4',5,5',6-heptachlorobiphenyl	PCB-187	0.009
2,2',3,3',4,4',5,5'-octachlorobiphenyl	PCB-194	0.007
2,2',3,4,4',5,5',6-octachlorobiphenyl	PCB-203	0.007
Organochlorine pesticides (OCPs)		
p,p'-dichlorodiphenyldichloroethene	4,4'-DDE	0.005
o,p'-dichlorodiphenyltrichloroethane	2,4'-DDT	0.005
p,p'-dichlorodiphenyltrichloroethane	4,4'-DDT	0.005
hexachlorobenzene	HCB	0.034
beta-hexachlorocyclohexane	*b*-HCH	0.005
oxychlordane	oxychlordane	0.005
trans-nonachlor	*t*-nonachlor	0.006
PBDEs		
2,2',4'-tri-bromodiphenyl ether	BDE-17	0.005
2,4,4'-tri-bromodiphenyl ether	BDE-28	0.005
2,2',4,4'-tetra-bromodiphenyl ether	BDE-47	0.023
2,3',4,4'-tetra-bromodiphenyl ether	BDE-66	0.005
2,2',3,4,4'-penta-bromodiphenyl ether	BDE-85	0.005
2,2',4,4',5-penta-bromodiphenyl ether	BDE-99	0.019
2,2',4,4',6-penta-bromodiphenyl ether	BDE-100	0.005
2,2',4,4',5,5'-hexa-bromodiphenyl ether	BDE-153	0.005
2,2',4,4',5,6'-hexa-bromodiphenyl ether	BDE-154	0.007
2,2',3,4,4',5',6-hepta-bromodiphenyl ether	BDE-183	0.007
2,2',3,3',4,4',5,6'-octa-bromodiphenyl ether	BDE-196	0.007
2,2',3,3',4,4',6,6'-octa-bromodiphenyl ether	BDE-197	0.007
2,2',3,3',4,5',6,6'-octa-bromodiphenyl ether	BDE-201	0.007
2,2',3,3',5,5',6,6'-octa-bromodiphenyl ether	BDE-202	0.007
2,2',3,4,4',5,5',6-octa-bromodiphenyl ether	BDE-203	0.007
2,2',3,3',4,4',5,5',6-nona-bromodiphenyl ether	BDE-206	0.009

	Acronym	Wet weight MDL (µg/L)
2,2',3,3',4,4',5,6,6'-nona-bromodiphenyl ether	BDE-207	0.009
2,2',3,3',4,5,5',6,6'-nona-bromodiphenyl ether	BDE-208	0.009
2,2',3,3',4,4',5,5',6,6'-deca-bromodiphenyl ether	BDE-209	0.045
OH-PBDEs		
2′-hydroxy-2,3′,4,5′-tetrabromodipheyl ether	2'-OH-BDE-68	0.008
4′-hydroxy-2,2′,4,5′-tetrabromodiphenyl ether	4'-OH-BDE-49	0.008
5-hydroxy-2,2′,4,4′-tetrabromodiphenyl ether	-OH-BDE-47	0.006
6′-hydroxy-2,2′,4,4′,5-pentabromodiphenyl ether	6'-OH-BDE-99	0.012
PFCs		
perfluoroheptanoic acid	PFHpA	0.059
perfluorooctanoic acid	PFOA	0.301
perfluorononanoic acid	PFNA	0.075
perfluorodecanoic acid	PFDeA	0.032
perfluoroundecanoic acid	PFUA	0.010
perfluorododecanoic acid	PFDoA	0.036
perfluorobutane sulfonate	PFBS	0.022
perflucorooctane sulfonic acid	PFOS	0.083
perfluorooctane sulfonamide	PFOSA	0.009
2-(N-methyl-perfluorooctane sulfonamido) acetic acid	N-Me-PFOSAA	0.013
2-(N-ethyl-perfluorooctane sulfonamido) acetic acid	N-Et-PFOSAA	0.011
Metals		
Cadmium	Cd	0.15
Lead	Pb	0.0027
Mercury	Hg	0.064

Table S3 Summary statistics for 59 chemicals measured in the maternal and umbilical cord serum (PCBs, OCPs, PBDEs, OH-PBDEs, PFCs, and lipids) and whole blood (metals) of pregnant women in the Chemicals in Our Bodies Study (2010-11) and National Health and Nutrition Examination Survey (2003-4).

| | Chemicals in Our Bodies Study (2010-11) | | | | | | NHANES (2003-4)[a] | | |
| | Maternal blood (N=77) | | | Umbilical Cord blood (N=65)[b] | | | Maternal blood | | |
	N (%) detected[c]	GM[d]	95th percentile[d]	N (%) detected[c]	GM[d]	95th percentile[d]	% detected[c]	GM[d]	95th percentile[d]
PCBs (µg/g lipid)									
PCB-66	4 (5%)	-- e	-- f	0 (0%)	-- e	-- f	(100%)	1.27	2.6
PCB-74	8 (10%)	-- e	1.59	1 (2%)	-- e	-- f	(100%)	2.87	7.4
PCB-99	14 (18%)	-- e	2.98	10 (6%)	-- e	-- f	(100%)	2.87	9.6
PCB-101	15 (19%)	-- e	3.25	20 (12%)	-- e	9.54	(100%)	1.58	3.8
PCB-105	5 (7%)	-- e	-- f	2 (3%)	-- e	-- f	(100%)	1.07	3.3
PCB-118	24 (31%)	-- e	3.70	10 (16%)	-- e	7.34	(100%)	4.31	14.3
PCB-138	72 (94%)	1.94	5.11	43 (68%)	3.05	6.57	(100%)[g]	7.70[g]	20.2[g]
PCB-153	67 (88%)	3.00	7.85	30 (48%)	-- e	7.58	(100%)	8.74	22.5
PCB-156	19 (26%)	-- e	1.13	1 (2%)	-- e	-- f	(90%)	1.01	3.0
PCB-170	42 (55%)	-- e	1.95	4 (6%)	-- e	-- f	(99%)	2.08	6.0
PCB-180	67 (88%)	1.97	5.75	19 (30%)	-- e	5.50	(96%)	4.61	13.2
PCB-183	2 (3%)	-- e	-- f	0 (0%)	-- e	-- f	(88%)	0.62	1.9
PCB-187	22 (31%)	-- e	2.25	2 (3%)	-- e	-- f	(96%)	1.66	4.1
PCB-194	12 (16%)	-- e	1.42	0 (0%)	-- e	-- f	(78%)	0.65	3.5
PCB-203	20 (26%)	-- e	2.98	1 (2%)	-- e	-- f	(89%)[h]	0.86[h]	2.8[h]
OCPs (µg/g lipid)									
4,4'-DDE	77 (100%)	112.53	1,520.00	62 (98%)	119.71	1,950.00	(100%)	140.39	850.0
2,4'-DDT	5 (7%)	-- e	1.52	3 (5%)	-- e	-- f	(3%)	-- e	-- f
4,4'-DDT	19 (25%)	-- e	35.20	7 (11%)	-- e	43.80	(62%)	-- f	37.4
HCB	77 (100%)	8.34	16.90	63 (100%)	16.35	39.10	(100%)	11.27	25.7
b-HCH	49 (64%)	1.87	20.60	30 (48%)	-- e	27.50	(80%)	-- f	22.0
oxychlordane	51 (66%)	1.06	5.02	5 (8%)	-- e	-- f	(81%)	-- f	11.4
t-nonachlor	60 (78%)	1.69	6.68	26 (41%)	-- e	4.94	(94%)	-- f	16.9

	n	(%)	median	max	n	(%)	median	max	(%)	median	max
PBDEs (µg/g lipid)											
BDE-17	0	(0%)	-- e	-- f	2	(3%)	-- e	-- f	(11%)	-- e	-- f
BDE-28	28	(36%)	-- e	2.73	8	(13%)	-- e	3.05	(90%)	1.27	3.8
BDE-47	71	(92%)	9.56	104.00	42	(67%)	14.43	81.90	(99%)	23.90	100.0
BDE-66	3	(4%)	-- e	-- f	0	(0%)	-- e	-- f	(16%)	-- e	-- f
BDE-85	5	(6%)	-- e	1.83	2	(3%)	-- e	-- f	(33%)	-- e	-- f
BDE-99	47	(61%)	3.31	24.40	16	(25%)	-- e	18.90	(87%)	5.51	21.8
BDE-100	69	(90%)	2.17	15.60	35	(56%)	-- e	10.60	(99%)	6.06	23.2
BDE-153	69	(90%)	2.64	19.40	23	(37%)	-- e	11.20	(100%)	9.90	127.0
BDE-154	7	(9%)	-- e	-- f	0	(0%)	-- e	-- f	(64%)	0.63	-- f
BDE-183	3	(5%)	-- e	-- f	1	(2%)	-- e	-- f	(10%)	-- e	-- f
BDE-196	2	(3%)	-- e	-- f	0	(0%)	-- e	-- f	-- i	-- i	-- i
BDE-197	28	(36%)	-- e	2.01	0	(0%)	-- e	-- f	-- i	-- i	-- i
BDE-201	2	(3%)	-- e	-- f	0	(0%)	-- e	-- f	-- i	-- i	-- i
BDE-202	0	(0%)	-- e	-- f	0	(0%)	-- e	-- f	-- i	-- i	-- i
BDE-203	1	(2%)	-- e	-- f	0	(0%)	-- e	-- f	-- i	-- i	-- i
BDE-206	3	(5%)	-- e	-- f	2	(3%)	-- e	-- f	-- i	-- i	-- i
BDE-207	18	(23%)	-- e	3.02	2	(3%)	-- e	-- f	-- i	-- i	-- i
BDE-208	7	(9%)	-- e	1.45	1	(1%)	-- e	-- f	-- i	-- i	-- i
BDE-209	41	(53%)	-- e	16.00	11	(17%)	-- e	37.10	-- i	-- i	-- i
OH-PBDEs (ng/L)											
2'-OH-BDE-68	5	(6%)	-- e	9.08	1	(2%)	-- e	5.66	-- i	-- i	-- i
4'-OH-BDE-49	31	(40%)	-- e	44.80	22	(37%)	-- e	32.55	-- i	-- i	-- i
5--OH-BDE-47	55	(71%)	14.25	86.60	45	(75%)	17.45	92.50	-- i	-- i	-- i
6'-OH-BDE-99	0	(0%)	-- e	-- f	2	(3%)	-- e	-- f	-- i	-- i	-- i
PFCs (µg/L)											
PFHpA	25	(33%)	-- e	0.20	36	(56%)	-- e	0.23	(11%)	-- e	0.4
PFOA	49	(64%)	0.47	2.14	36	(56%)	-- e	1.68	(99%)	2.39	5.6
PFNA	76	(99%)	0.73	2.11	62	(97%)	0.29	0.93	(99%)	0.70	1.5
PFDeA	20	(26%)	-- e	0.78	6	(9%)	-- e	0.49	(8%)	-- e	0.4
PFUA	71	(92%)	0.13	0.60	54	(84%)	0.03	0.16	(1%)	-- e	-- f
PFDoA	3	(4%)	-- e	-- f	0	(0%)	-- e	-- f	(0%)	-- e	-- f
PFBS	4	(5%)	-- e	0.02	16	(25%)	-- e	0.03	(1%)	-- e	-- f

	n	(%)	GM	95th	n	(%)	GM	95th	(%)	GM	95th
PFOS	77	(100%)	2.55	7.25	64	(100%)	2.27	4.35	(99%)	12.29	21.8
PFOSA	69	(90%)	0.02	0.07	58	(91%)	0.02	0.10	(15%)	-- [e]	0.3
N-MeFOSAA	75	(97%)	0.07	0.39	61	(95%)	0.07	0.38	(16%)	-- [e]	1.0
N-EtFOSAA	40	(52%)	-- [e]	0.03	40	(63%)	0.02	0.05	(0%)	-- [e]	-- [f]
Metals											
Cd (µg/L)	64	(83%)	0.22	0.49	0	(0%)	-- [e]	-- [f]	(66%)	0.22	0.8
Pb (µg/dL)	77	(100%)	0.65	2.14	59	(100%)	0.40	1.20	(94%)	0.68	1.8
Hg (µg/L)	77	(100%)	0.45	1.62	59	(100%)	0.59	2.93	(89%)	0.67	3.4
Total lipids (g/L)	77	(100%)	8.00	11.17	63	(100%)	2.53	3.57	-- [i]	-- [i]	-- [i]

Abbreviations: MDL (method detection limit). GM (geometric mean). LOD (limit of detection). See **Table S2** for full chemical names.

[a] NHANES results are from Woodruff et al. (2011). The number of women sampled was 253 for metals and between 70 and 76 for other analytes.

[b] 65 umbilical cord samples were collected. The number of cord samples analyzed varies by chemical class due to inadequate quantity of sample as follows: n=63 for PBDEs, PCBs, OCPs, and total lipids; n=60 for OH-PBDEs; n=64 for PFCs; and n=59 for metals.

[c] Detection refers to samples with concentrations $\geq$ MDL or $\geq$ LOD.

[d] For purposes of comparability with the values reported in Woodruff et al. (2011), geometric mean and 95th percentiles were calculated after substituting MDL/$\sqrt{2}$ for missing values.

[e] GMs were not calculated when the detection frequency was below 60%.

[f] GM or percentile estimate is not reported because it is less than the maximum LOD.

[g] Includes PCB-138 and PCB-158.

[h] Includes PCB-196 and PCB-203.

[i] Analyte was not reported in NHANES.

Table S4 Chemicals detected in less than 20 paired maternal blood samples, their conditional probability of detection in matched umbilical cord blood samples, and Spearman's rank correlation between maternal and umbilical cord concentrations (n=65 maternal/fetal pairs).[a]

Analyte (matrix)	Wet-weight MDL (µg/L)	N (%) ≥ MDL, maternal sample	Conditional probability of detection in cord sample	Correlation (lipid-adjusted)[b] ρ	Correlation (lipid-adjusted)[b] p-value	Correlation (wet weight)[b] ρ	Correlation (wet weight)[b] p-value
PCBs (serum)							
PCB-66	0.009	4 (6%)	0%	-- [c]	-- [c]	-- [c]	-- [c]
PCB-74	0.008	8 (13%)	13%	0.37	0.0025	0.37	0.0025
PCB-99	0.014	14 (22%)	50%	0.50	<0.0001	0.53	<0.0001
PCB-101	0.016	15 (24%)	60%	0.32	0.0106	0.37	0.0028
PCB-105	0.010	5 (8%)	0%	-0.05	0.68	-0.05	0.68
PCB-156	0.005	18 (29%)	0%	-0.08	0.54	-0.08	0.54
PCB-183	0.012	1 (2%)	0%	-- [c]	-- [c]	-- [c]	-- [c]
PCB-187	0.009	19 (30%)	11%	0.21	0.10	0.24	0.06
PCB-194	0.007	10 (16%)	0%	-- [c]	-- [c]	-- [c]	-- [c]
PCB-203	0.007	17 (27%)	6%	0.15	0.24	0.26	0.04
OCPs (serum)							
2,4'-DDT	0.005	4 (6%)	50%	0.58	<0.0001	0.58	<0.0001
4,4'-DDT	0.005	16 (25%)	38%	0.59	<0.0001	0.59	<0.0001
PBDEs (serum)							
BDE-17	0.005	0 (0%)	-- [d]	-- [d]	-- [d]	-- [d]	-- [d]
BDE-66	0.005	4 (6%)	0%	-- [c]	-- [c]	-- [c]	-- [c]
BDE-85	0.005	4 (6%)	50%	0.72	<0.0001	0.71	<0.0001
BDE-154	0.007	5 (8%)	0%	-- [c]	-- [c]	-- [c]	-- [c]
BDE-183	0.007	2 (3%)	0%	-0.02	0.86	-0.02	0.86
BDE-196	0.007	2 (3%)	0%	-- [c]	-- [c]	-- [c]	-- [c]
BDE-201	0.007	1 (2%)	0%	-- [c]	-- [c]	-- [c]	-- [c]
BDE-202	0.007	0 (0%)	-- [d]	-- [c,d]	-- [c,d]	-- [c,d]	-- [c,d]
BDE-203	0.007	1 (2%)	0%	-- [c]	-- [c]	-- [c]	-- [c]

	MDL		Conditional				
BDE-206	0.009	2 (3%)	100%	-0.03	0.80	-0.03	0.80
BDE-207	0.009	11 (17%)	18%	-0.08	0.52	-0.08	0.52
BDE-208	0.009	7 (11%)	14%	0.38	0.0019	0.39	0.0016
OH-PBDEs (serum)							
2′-OH-BDE-68	0.008	2 (3%)	0%	--[e]	--[e]	-0.02	0.85
6′-OH-BDE-99	0.012	0 (0%)	--[d]	--[e]	--[e]	--[d]	--[d]
PFCs (serum)							
PFDeA	0.032	19 (30%)	32%	--[e]	--[e]	0.51	<0.0001
PFDoA	0.036	3 (5%)	0%	--[e]	--[e]	--[c]	--[c]
PFBS	0.022	3 (5%)	33%	--[e]	--[e]	0.08	0.56

Abbreviations: MDL (method detection limit). PCBs (polychlorinated biphenyls); OCPs (organochlorine pesticides); PBDEs (polyborminated diethyl ethers); OH-PBDEs (hydroxylated PBDE metabolites); PFCs (perfluorinated compounds).). See **Table S2** for full chemical names.

[a] The number of paired samples varied by chemical class due to inadequate quantity of cord blood as follows: n=63 for PCBs, OCPs, and PBDEs; n=60 for OH-PBDEs; n=64 for PFCs; and n=59 for metals. Detection refers to a measured concentration ≥ MDL. Conditional probabilities of detection are conditional on detection in the maternal sample. Correlation coefficients are not conditional on detection in the maternal sample. That is, when calculating the correlation coefficients, we included pairs for which chemicals were detected in the cord but not the maternal sample.

[c] Could not be calculated due to lack of cord samples ≥ MDL.

[d] Could not be calculated due to lack of maternal samples ≥ MDL.

[e] Not calculated for hydrophilic analytes.

Table S5 Cord:maternal concentration ratios of chemicals measured in 65 paired maternal and umbilical cord blood samples, calculated after substituting the MDL/√2 for values below the MDL.[a]

Analyte (matrix)	Complete pairs	N (%) incomplete pairs [b]	Cord:maternal ratio (lipid-adjusted) [c]			Cord:maternal ratio (wet-weight) [d]		
			Median	*IQR*	*GCV*	*Median*	*IQR*	*GCV*
PCBs (serum)								
PCB-118	6	20 (77%)	--[e]	--[e]	--[e]	--[e]	--[e]	--[e]
PCB-138	43	16 (27%)	1.5	1.1-2.1	72.6	0.5	0.3-0.7	72.8
PCB-153	30	26 (46%)	1.2	1.0-1.6	58.2	0.4	0.3-0.5	61.6
PCB-170	3	35 (92%)	--[e]	--[e]	--[e]	--[e]	--[e]	--[e]
PCB-180	19	35 (65%)	--[e]	--[e]	--[e]	--[e]	--[e]	--[e]
OCPs (serum)								
4,4′-DDE	62	1 (2%)	1.1	1.0-1.2	115.6	0.4	0.3-0.4	123.3
HCB	63	0 (0%)	1.8	1.5-2.4	55.0	0.6	0.5-0.7	51.1
b-HCH	28	16 (36%)	1.0	0.9-1.2	94.3	0.3	0.3-0.4	87.1
oxychlordane	3	40 (93%)	--[e]	--[e]	--[e]	--[e]	--[e]	--[e]
t-nonachlor	24	27 (53%)	--[e]	--[e]	--[e]	--[e]	--[e]	--[e]
PBDEs (serum)								
BDE-28	7	15 (68%)	--[e]	--[e]	--[e]	--[e]	--[e]	--[e]
BDE-47	39	21 (35%)	1.5	1.1-1.9	75.9	0.5	0.4-0.6	71.4
BDE-99	14	23 (62%)	--[e]	--[e]	--[e]	--[e]	--[e]	--[e]
BDE-100	32	28 (47%)	1.2	0.8-2.1	124.2	0.4	0.3-0.6	123.6
BDE-153	23	34 (60%)	--[e]	--[e]	--[e]	--[e]	--[e]	--[e]
BDE-197	0	21 (100%)	--[e]	--[e]	--[e]	--[e]	--[e]	--[e]
BDE-209	4	33 (89%)	--[e]	--[e]	--[e]	--[e]	--[e]	--[e]
OH-PBDEs (serum)								
4′-OH-BDE-49	11	24 (69%)	--[f]	--[f]	--[f]	--[e]	--[e]	--[e]
5′-OH-BDE-47	37	13 (26%)	--[f]	--[f]	--[f]	1.4	0.9-2.1	101.0
PFCs (serum)								
PFHpA	19	21 (53%)	--[f]	--[f]	--[f]	--[e]	--[e]	--[e]
PFOA	34	10 (23%)	--[f]	--[f]	--[f]	0.8	0.7-1.1	53.3

Analyte (matrix)	Complete pairs	N (%) incomplete pairs [b]	Cord:maternal ratio (lipid-adjusted) [c]			Cord:maternal ratio (wet-weight) [d]		
			Median	*IQR*	*GCV*	*Median*	*IQR*	*GCV*
PFNA	61	3 (5%)	--[f]	--[f]	--[f]	0.4	0.3-0.5	95.1
PFUA	53	7 (12%)	--[f]	--[f]	--[f]	0.3	0.2-0.4	128.6
PFOS	64	0 (0%)	--[f]	--[f]	--[f]	0.8	0.6-1.2	60.3
PFOSA	56	4 (7%)	--[f]	--[f]	--[f]	1.1	0.8-1.4	45.9
N-Me-PFOSAA	60	4 (6%)	--[f]	--[f]	--[f]	0.9	0.6-1.2	96.6
N-Et-PFOSAA	29	15 (34%)	--[f]	--[f]	--[f]	1.3	1.1-1.7	56.5
Metals (whole blood)								
Cd	0	51 (100%)	--[f]	--[f]	--[f]	--[e]	--[e]	--[e]
Pb	59	0 (0%)	--[f]	--[f]	--[f]	0.6	0.6-0.7	29.8
Hg	59	0 (0%)	--[f]	--[f]	--[f]	1.3	1.1-1.7	33.5

Abbreviations: MDL (method detection limit). GM (geometric mean). IQR (interquartile range [25th-75th percentile]). GCV (geometric coefficient of variation). See **Table S2** for full chemical names.

[a] Only compounds detected in at least 20 paired maternal samples are shown. Detection refers to a measured concentration ≥ MDL. Paired samples for which chemicals were not detected in either the maternal nor cord sample were excluded. Unlike in the main text, ratios reported here are not conditional on maternal detection. That is, a small number of pairs for which chemicals were detected in the cord but not the maternal sample are included.

[b] The number of incomplete pairs refers to the number of paired observations where either the maternal or cord sample was < MDL, but not both.

[c] Substitution was performed using lipid-adjusted MDLs, which vary by sample depending on the lipid content of the sample.

[d] Substitution was performed using wet-weight MDLs.

[e] Percentiles and GCV are not reported when the percent of incomplete pairs was > 50%.

[f] Not calculated for hydrophilic analytes.

References

Woodruff, T. J.; Zota, A. R.; Schwartz, J. M. Environmental chemicals in pregnant women in the United States: NHANES 2003-2004. *Environ. Health Perspect.* **2011**, *119* (6), 878–885.