

Supplementary Information

A Possible Approach to Improving the Reproducibility of Urinary Concentrations of Phthalate Metabolites and Phenols during Pregnancy

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Supplementary Table S1: Median (range) of pregnancy urinary concentrations of phenols and phthalate metabolites (adjusted for urine specific gravity) among I-KIDS participants providing 6 pregnancy samples (n=19 women)

Biomarker [LOD]	16-18 wks	20-22 wks	23-26 wks	27-30 wks	32-33 wks	35-36 wks	Total ¹
Bisphenol A (µg/L) [0.4]	2.4 (0.4-6.7)	2.1 (0.5-12.0)	1.9 (0.7-5.9)	2.1 (0.8-12.6)	1.9 (0.7-17.6)	3.1 (0.6-7.7)	2.6 (1.4-5.9)
2 4-Dichlorophenol (µg/L) [0.2]	1.4 (0.9-8.1)	1.6 (0.7-5.8)	1.4 (0.5-5.5)	1.3 (0.5-2.9)	1.3 (0.3-3.0)	1.5 (0.2-3.1)	1.4 (0.8-3.6)
2 5-Dichlorophenol (µg/L) [0.2]	1.2 (0.7-6.5)	1.5 (0.7-5.0)	2.0 (0.5-7.5)	2.0 (0.8-15.2)	2.5 (0.9-13.7)	2.6 (0.4-8.8)	2.0 (1.2-6.3)
Benzophenone-3 (µg/L) [0.4]	128.1 (5.5-1,941.6)	83.8 (7.4-2,037.6)	79.4 (3.8-2,066.4)	48.5 (12.9-1,788.9)	140.1 (7.5-1,630.2)	200.1 (13.2-1,520.7)	159.3 (28.4-1,644.3)
Butyl Paraben (µg/L) [0.2]	0.4 (0.0-20.5)	0.6 (0.0-4.1)	0.4 (0.0-21.7)	0.2 (0.0-17.0)	0.2 (0.0-156.9)	0.2 (0.0-27.8)	0.7 (0.0-36.7)
Methyl Paraben (µg/L) [1.0]	176.8 (10.4-590.6)	116.9 (13.2-559.2)	114.7 (6.5-411.4)	112.2 (13.1-960.0)	264.0 (12.5-999.6)	66.3 (5.3-693.8)	175.1 (23.5-363.0)
Propyl Paraben (µg/L) [0.2]	30.6 (0.5-257.5)	30.1 (1.0-230.0)	27.9 (0.5-130.6)	22.2 (0.2-136.1)	44.9 (0.9-3,396.0)	9.2 (0.6-214.0)	42.0 (0.6-679.4)
Triclosan (µg/L) [2.3]	7.5 (0.0-285.2)	2.0 (0.0-213.6)	9.4 (0.0-231.4)	6.9 (1.9-343.2)	42.5 (0.3-198.4)	23.4 (2.2-378.7)	22.1 (1.6-219.4)
Monoethyl phthalate (µg/L) [0.6]	45.8 (10.5-739.8)	37.7 (6.5-1,740.0)	33.6 (8.4-492.7)	39.3 (14.4-283.8)	32.3 (9.3-428.0)	45.2 (13.3-154.5)	49.3 (13.0-614.1)
∑DEHP metabolites (µmol/L) ²	0.1 (0.0-3.6)	0.1 (0.0-2.0)	0.1 (0.0-5.6)	0.2 (0.05-0.4)	0.2 (0.1-1.5)	0.1 (0.05-1.8)	0.2 (0.1-1.6)

¹Total = the mean biomarker concentration for each woman's 6 urine samples

²LODs (in µg/L) for the 4 DEHP metabolites were 0.5 for mono-2-ethylhexyl phthalate (MEHP), and 0.2 for mono-2-ethyl-5-carboxypentyl phthalate, mono-2-ethyl-5-hydroxyhexyl phthalate, and mono-2-ethyl-5-oxohexyl phthalate.