Supplementary Table SVI Longitudinal associations of bisphenol and phthalate concentrations and placental hemodynamic function markers[a].

	Umbilical artery pulsatility index, SD (95% CI) (n = 1217)		Uterine artery resistance index, SD (95% CI) (n = 1134)	
	Intercept[b]	Slope[c]	Intercept[b]	Slope[c]
Total bisphenols	0.16 (0.02, 0.31)*	−0.01 (−0.01, −0.00)*	−1.77 (−2.93, −0.60)*†	0.09 (0.03, 0.14)*†
Bisphenol A	0.15 (0.03, 0.26)*†	−0.01 (−0.01, −0.00)*†	−1.28 (−2.24, −0.33)*†	0.06 (0.02, 0.11)*†
Bisphenol S	0.04 (−0.07, 0.15)	−0.00 (−0.01, 0.00)	−0.62 (−1.50, 0.26)	0.03 (−0.01, 0.07)
Phthalic acid	0.08 (−0.08, 0.24)	−0.00 (−0.01, 0.00)	−0.49 (−1.89, 0.91)	0.03 (−0.04, 0.09)
LMW phthalate metabolites	0.04 (−0.09, 0.17)	−0.00 (−0.01, 0.00)	0.04 (−1.10, 1.19)	−0.00 (−0.06, 0.06)
HMW phthalate metabolites	0.16 (−0.02, 0.34)	−0.01 (−0.01, −0.01)*	0.30 (−1.04, 1.63)	−0.01 (−0.08, 0.05)
DEHP metabolites	0.15 (−0.03, 0.32)	−0.01 (−0.01, −0.00)*	0.31 (−0.98, 1.59)	−0.01 (−0.08, 0.05)
DNOP metabolites	0.10 (−0.07, 0.27)	−0.00 (−0.01, 0.00)	0.32 (−1.06, 1.70)	−0.01 (−0.08, 0.05)

[a]Change in umbilical artery pulsatility index and uterine artery resistance index per natural log unit increase of Total bisphenols/BPA/BPS/Phthalic acid/LMW/HMW/DEHP/DNOP metabolite concentrations based on repeated measurement analysis (hemodynamic function marker Z-score = $\beta_0 + \beta_1 \times$ log unit compound + $\beta_2 \times$ gestational age + $\beta_3 \times$ log unit compound $\times$ gestational age (+ $\beta_x \times$ additional covariates)).

[b]Values are regression coefficients (95% CI) from multivariable unbalanced repeated measurement regression models that reflect the change in hemodynamic function marker per natural log unit increase of Total bisphenols/BPA/BPS/Phthalic acid/LMW/HMW/DEHP/DNOP metabolite concentrations (β_2).

[c]Values are regression coefficients (95% CI) from multivariable unbalanced repeated measurement regression models that reflect the change in hemodynamic function marker in mmHg per natural log unit increase of Total bisphenols/BPA/BPS/Phthalic acid/LMW/HMW/DEHP/DNOP metabolite concentrations per gestational age in weeks (β_4).

Models were adjusted for maternal age, maternal pre-pregnancy BMI, parity, ethnicity, education, maternal smoking, maternal alcohol, folic acid supplementation and urinary creatinine.

*P-value <0.05. †Significant with Bonferroni correction.