Supplemental Table 1. Measures of reproducibility for creatinine-adjusted urinary phthalate metabolite concentrations over approximately 9 months.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | n | Males | n | Females |
| PhthalateMetabolite (µg/g creatinine)1 |  | ICC1(95% CI) | Spearman2correlationcoefficient2 |  | ICC1(95% CI) | Spearman2correlationcoefficient2 |
| MBP | 50 | 0.64 | (0.40, 0.65) | 0.70 | 49 | 0.37 | (0.11, 0.46) | 0.48 |
| MiBP | 50 | 0.21 | (0.01, 0.30) | 0.36 | 49 | 0.41 | (0.17, 0.45) | 0.37 |
| MEP | 50 | 0.19 | (0.00, 0.28) | 0.37 | 49 | 0.44 | (0.20, 0.48) | 0.53 |
| MBzP | 50 | 0.55 | (0.31, 0.58) | 0.53 | 49 | 0.22 | (0.01, 0.30) | 0.24 |
| MCOP | 50 | 0.013 | (-0.15, 0.10) | 0.13 | 49 | 0.22 | (0.02, 0.30) | 0.29 |
| MCPP | 50 | 0.23 | (0.02, 0.31) | 0.29 | 49 | 0.30 | (0.08, 0.37) | 0.41 |
| MECPP | 50 | 0.013 | (-0.16, 0.09) | -0.12 | 49 | 0.20 | (0.00, 0.29) | 0.23 |
| MEHHP | 50 | 0.013 | (-0.19, 0.05) | -0.17 | 49 | 0.20 | (0.00, 0.29) | 0.22 |
| MEHP | 50 | 0.12 | (-0.05, 0.23) | 0.24 | 49 | 0.23 | (0.03, 0.32) | 0.27 |
| MEOHP | 50 | 0.013 | (-0.17, 0.08) | -0.12 | 49 | 0.17 | (-0.02, 0.27) | 0.19 |
| ΣLMWP4 | 50 | 0.21 | (0.01, 0.29) | 0.33 | 49 | 0.17 | (-0.02, 0.27) | 0.20 |
| ΣHMWP4 | 50 | 0.013 | (-0.17, 0.07) | -0.13 | 49 | 0.17 | (-0.02, 0.27) | 0.21 |
| ΣDEHP4 | 50 | 0.013 | (-0.17, 0.08) | -0.14 | 49 | 0.17 | (-0.02, 0.27) | 0.21 |
| ΣDBP4 | 50s | 0.43 | (0.18, 0.47) | 0.54 | 49 | 0.35 | (0.11, 0.42) | 0.32 |

Abbreviations: confidence interval (CI), intraclass correlation coefficient (ICC), mono-n-butyl phthalate (MBP), mono-isobutyl phthalate (MiBP), monoethyl phthalate (MEP), monobenzyl phthalate (MBzP), mono(carboxyoctyl) phthalate (MCOP), mono(3-carboxypropyl) phthalate (MCPP), mono(2-ethyl-5-carboxypentyl) phthalate (MECPP), mono(2-ethyl-5-hydroxyhexyl) phthalate (MEHHP), mono(2-ethylhexyl) phthalate (MEHP), mono(2-ethyl-5-oxohexyl) phthalate (MEOHP), low molecular weight phthalate sum (ΣLMWP), high molecular weight phthalate sum (ΣHMWP), di(2-ethylhexyl) phthalate sum (ΣDEHP), dibutyl phthalate sum (ΣDBP).

1 ICC and 95% CI for sample 2 and sample 3

2 Spearman correlation coefficient for sample 2 and sample 3

3As described in the Methods, a negative estimate was obtained but replaced by an arbitrarily small value in this instance.
4 Molar sum; units are nanomoles per gram creatinine.