| Table 2. Distribution of chemicals, MIREC CD-3 cohort, Canada, 2008-2011 (n = 601). | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Biomarker Name | n | %>LOD | GM (GSD) | Percentiles | | | | CHMS GMᵃ |
| 25ᵗʰ | 50ᵗʰ | 75ᵗʰ | 95ᵗʰ |
| Metals (Whole blood, μg/L) | | | | | | | | |
| Arsenic | 590 | 96.1 | 0.82 (1.96) | 0.56 | 0.82 | 1.19 | 2.30 | 0.88 |
| Cadmium | 590 | 97.1 | 0.2 (2.06) | 0.13 | 0.18 | 0.28 | 0.66 | 0.36 |
| Lead | 590 | 100.0 | 6.21 (1.62) | 4.40 | 6.01 | 8.29 | 14.00 | 8.90 |
| Mercury | 590 | 90.5 | 0.61 (2.83) | 0.34 | 0.66 | 1.30 | 2.81 | 0.70 |
| Organochlorine pesticides (Plasma, ng/g lipid) | | | | | | | | |
| β-HCH | 576 | 63.7 | 2.21 (2.74) | 1.29 | 2.11 | 3.37 | 9.16 | 4.83 |
| DDE | 576 | 99.3 | 55 (2.12) | 35.54 | 48.66 | 76.53 | 216.85 | 102 |
| Oxychlordane | 575 | 92.5 | 2.03 (1.72) | 1.48 | 2.11 | 2.95 | 4.45 | 2.31 |
| trans-Nonachlor | 576 | 84.9 | 2.97 (1.76) | 2.02 | 2.97 | 4.15 | 7.89 | 3.07 |
| Per- and polyfluoroalkyl substances (Plasma, μg/L) | | | | | | | | |
| PFHxS | 589 | 96.1 | 1.03 (2.19) | 0.67 | 0.99 | 1.60 | 3.90 | 1.28 |
| PFOS | 589 | 99.8 | 4.31 (1.72) | 3.10 | 4.40 | 6.20 | 9.90 | 6.36 |
| PFOA | 589 | 99.8 | 1.67 (1.79) | 1.10 | 1.70 | 2.50 | 3.90 | 1.92 |
| Polychlorinated biphenyls (Plasma, ng/g lipid) | | | | | | | | |
| PCB118 | 588 | 76.9 | 2.47 (1.81) | 1.71 | 2.45 | 3.40 | 6.49 | 3.09 |
| PCB138 | 588 | 94.4 | 4.45 (1.92) | 2.86 | 4.31 | 6.38 | 14.47 | 5.46 |
| PCB153 | 588 | 99.8 | 7.84 (1.97) | 4.93 | 7.55 | 11.64 | 25.68 | 8.22 |
| PCB180 | 588 | 96.4 | 5.36 (2.13) | 3.20 | 5.15 | 8.20 | 20.30 | 5.79 |
| Polybrominated diphenyl ethers (Plasma, ng/g lipid) | | | | | | | | |
| BDE47 | 583 | 66.0 | 7.61 (2.62) | 4.10 | 7.03 | 12.20 | 38.53 | 10.83 |
| a: Concentration in Canadian women aged 20–39 years from cycle 1 (2007–2009) of Canadian health measures survey (CHMS). | | | | | | | | |