Additional file 2. Results of multiple linear regression analysis of association between natural log transformed total serum concentrations of persistent organic pollutants and lipid fractions (n=575).

|  |  |  |
| --- | --- | --- |
|  | | Total POPs |
| Total lipids | β | 0.07 |
| SE | 0.01 |
| p-value | <0.0001\* |
| SP R22 | 0.0401 |
| Total Cholesterol | β | 0.04 |
| SE | 0.01 |
| p-value | 0.0035\* |
| SP R22 | 0.0139 |
| HDL cholesterol | β | -0.01 |
| SE | 0.02 |
| p-value | 0.7345 |
| SP R22 | 0.0002 |
| LDL cholesterol | β | 0.03 |
| SE | 0.02 |
| p-value | 0.1292 |
| SP R22 | 0.0039 |
| Triglycerides | β | 0.15 |
| SE | 0.03 |
| p-value | <0.0001\* |
| SP R22 | 0.0292 |

The estimates are adjusted for age (as well as age quadratic), race, gender, BMI, alcohol consumption, smoking and exercising status.

\*Results were considered significant at p<0.05.

SP R22 – Type II semi-partial R2.