Supplemental Table 4. Compounds contributing to total toxic equivalency (TEQ) among Detroit Urban Anglers Study participants

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | WHO 2005 TEF value\* | % <LOD | % Detect | 50th percentile | 95th percentile |
| **Dioxins** |
| 2,3,7,8-TCDD  | 1 | 17.3% | 82.7% | 1.11a | 4.22a |
| 1,2,3,7,8-PeCDD | 1 | 1.6% | 98.4% | 4.24a | 10.63a |
| 1,2,3,4,7,8-HxCDD | 0.1 | 2.8% | 97.2% | 2.20a | 6.43a |
| 1,2,3,6,7,8-HxCDD | 0.1 | 0% | 100% | 20.33a | 53.15a |
| 1,2,3,7,8,9-HxCDD | 0.1 | 1.2% | 98.8% | 2.54a | 6.61a |
| 1,2,3,4,6,7,8-HpCDD  | 0.01 | 0.8% | 99.2% | 13.38a | 49.12a |
| OCDD | 0.0003 | 0.4% | 99.6% | 161.9a | 580.9a |
| **Furans** |
| 2,3,7,8-TCDF | 0.1 | 58.5% | 41.5% | <LOD | 2.40a |
| 1,2,3,7,8-PeCDF | 0.03 | 72.2% | 27.8% | <LOD | 1.21a |
| 2,3,4,7,8-PeCDF | 0.3 | 0.8% | 99.2% | 4.80a | 12.71a |
| 1,2,3,4,7,8-HxCDF | 0.1 | 0.4% | 99.6% | 3.28a | 7.51a |
| 1,2,3,6,7,8-HxCDF | 0.1 | 0.8% | 99.2% | 3.27a | 7.44a |
| 1,2,3,7,8,9-HxCDF | 0.1 | 98.4% | 1.6% | <LOD | <LOD |
| 2,3,4,6,7,8-HxCDF | 0.1 | 20.2% | 79.8% | 0.80a | 1.89a |
| 1,2,3,4,6,7,8-HpCDF | 0.01 | 0% | 100% | 5.61a | 12.07a |
| 1,2,3,4,7,8,9-HpCDF | 0.01 | 75.8% | 24.2% | <LOD | 0.80a |
| OCDF | 0.0003 | 99.6%\*\* | 0.4% | <LOD | <LOD |
| **Coplanar PCBs** |
| 3,4,4’,5-TCB (81)  | 0.0003 | 73.4%\*\* | 26.6% | <LOD | 14.56a |
| 3,3’4,4’,5-PeCB (126) | 0.1 | 0.4% | 99.6% | 21.25a | 144.5a |
| 3,3’4,4’,5,5’-HxCB (169) | 0.03 | 0.8% | 99.2% | 18.40a | 62.55a |
| **Mono-ortho–substituted PCBs** |
| 2,3,3’4,4’-PeCB (105) | 0.00003 | 93.1% | 6.9% | <LOD | <LOD |
| 2,3’4,4’,5-PeCB (118) | 0.00003 | 96.0% | 4.0% | <LOD | <LOD |
| 2,3,3’4,4’,5-HxCB (156)  | 0.00003 | 50.6% | 49.4% | <LOD | 19.92b |
| 2,3,3’4,4’,5’-HxCB (157) | 0.00003 | 94.2% | 5.8% | <LOD | <LOD |
| 2,3’,4,4’,5,5’-HxCB (167) | 0.00003 | 96.7% | 3.3% | <LOD | <LOD |
| 2,3,3’4,4’,5,5’-HpCB (189) | 0.00003 | 96% | 4% | <LOD | <LOD |
| \*World Health Organization toxic equivalency factor (TEF) value; \*\*includes 32.3% ‘NOT REPORTABLE’; a pg/g lipid; b ng/g lipid  |