Table S3: Biomonitoring results of all years (2010. 2011. 2012. 2013 and 2015). PCB measured in bloodplasma. expressed as ng/g blood lipids .

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2010** | | PCB 28 | PCB 52 | PCB 101 | PCB 153 | PCB 138 | PCB 180 | PCB Sum | PCB 81 | PCB 77 | PCB 123 | PCB 118 | PCB 114 | PCB 105 | PCB 126 | PCB 167 | PCB 156 | PCB 157 | PCB 169 | PCB 189 | WHO Teq 2005 |
| N | Valid | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 |
| missing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| mean | | 294.27 | 26.04 | 40.91 | 396.30 | 390.00 | 222.04 | 1369.30 | 0.99 | 1.02 | 65.75 | 7.30 | 200.19 | 3.25 | 1.99 | 42.91 | 7.52 | 20.77 | 0.74 | 4.42 | 0.14884 |
| SE(median) | | 96.68 | 5.44 | 6.47 | 51.70 | 46.83 | 23.39 | 191.72 | 0.09 | 0.12 | 11.26 | 1.06 | 30.83 | 0.52 | 0.28 | 4.87 | 0.87 | 2.76 | 0.01 | 0.42 | 0.02986 |
| median | | 11.55 | 1.19 | 2.77 | 94.22 | 120.75 | 101.43 | 365.15 | 0.73 | 0.73 | 5.18 | 1.27 | 23.25 | 0.77 | 0.77 | 14.09 | 2.42 | 4.97 | 0.71 | 1.93 | 0.00178 |
| sd | | 1546.93 | 87.07 | 103.60 | 827.13 | 749.34 | 374.30 | 3067.60 | 1.41 | 1.95 | 180.23 | 16.99 | 493.26 | 8.30 | 4.43 | 77.94 | 13.96 | 44.09 | 0.19 | 6.77 | 0.47775 |
| minimum | | 0.46 | 0.32 | 0.32 | 9.37 | 11.94 | 8.44 | 42.49 | 0.22 | 0.22 | 0.32 | 0.22 | 1.66 | 0.22 | 0.22 | 0.64 | 0.45 | 0.40 | 0.22 | 0.35 | 0.00009 |
| maximum | | 18629.64 | 856.35 | 704.68 | 6176.63 | 5507.94 | 2875.86 | 24739.96 | 15.81 | 23.06 | 1588.21 | 172.97 | 3764.20 | 70.77 | 41.63 | 551.05 | 108.72 | 315.21 | 1.39 | 50.27 | 4.29593 |
| % | 25 | 3.03 | 0.69 | 0.75 | 45.61 | 61.91 | 45.65 | 189.22 | 0.62 | 0.62 | 1.91 | 0.71 | 9.29 | 0.64 | 0.64 | 6.57 | 1.04 | 1.97 | 0.60 | 0.86 | 0.00076 |
| 50 | 11.55 | 1.19 | 2.77 | 94.22 | 120.75 | 101.43 | 365.15 | 0.73 | 0.73 | 5.18 | 1.27 | 23.25 | 0.77 | 0.77 | 14.09 | 2.42 | 4.97 | 0.71 | 1.93 | 0.00178 |
| 75 | 88.82 | 10.87 | 19.72 | 269.35 | 288.52 | 193.59 | 975.74 | 0.90 | 0.88 | 32.94 | 5.28 | 129.36 | 1.07 | 1.04 | 32.73 | 5.90 | 15.15 | 0.85 | 4.36 | 0,01797 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2011** | | PCB 28 | PCB 52 | PCB 101 | PCB 153 | PCB 138 | PCB 180 | PCB Sum | PCB 81 | PCB 77 | PCB 123 | PCB 118 | PCB 114 | PCB 105 | PCB 126 | PCB 167 | PCB 156 | PCB 157 | PCB 169 | PCB 189 | WHO Teq 2005 |
| N | Valid | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 |
| missing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| mean | | 254.96 | 16.32 | 32.74 | 411.73 | 416.65 | 243.65 | 1375.44 | 0.77 | 0.75 | 61.98 | 7.76 | 191.88 | 2.96 | 0.73 | 47.56 | 8.65 | 18.80 | 0.73 | 4.84 | 0,01080 |
| SE(median) | | 96.93 | 7.63 | 15.07 | 53.45 | 48.96 | 25.94 | 191.19 | 0.02 | 0.02 | 11.50 | 1.03 | 31.33 | 0.56 | 0.01 | 5.92 | 1.17 | 2.54 | 0.01 | 0.51 | 0,00179 |
| median | | 10.86 | 0.93 | 3.23 | 105.55 | 137.83 | 105.57 | 400.51 | 0.71 | 0.71 | 8.89 | 1.94 | 36.73 | 0.78 | 0.71 | 15.45 | 2.84 | 5.02 | 0.70 | 2.22 | 0,00202 |
| sd | | 1381.02 | 108.74 | 214.76 | 761.56 | 697.62 | 369.58 | 2724.06 | 0.30 | 0.28 | 163.87 | 14.66 | 446.41 | 8.00 | 0.19 | 84.32 | 16.74 | 36.16 | 0.18 | 7.21 | 0,02547 |
| minimum | | 0.47 | 0.39 | 0.42 | 13.47 | 18.41 | 10.18 | 47.84 | 0.39 | 0.39 | 0.51 | 0.42 | 2.96 | 0.39 | 0.39 | 1.51 | 0.47 | 0.47 | 0.39 | 0.47 | 0,00016 |
| maximum | | 14175.89 | 1511.49 | 3028.28 | 5103.81 | 4710.45 | 2520.93 | 20134.53 | 3.28 | 3.28 | 1352.77 | 93.66 | 3897.07 | 77.74 | 1.41 | 594.26 | 160.79 | 301.74 | 1.20 | 43.27 | 0,19275 |
| % | 25 | 3.48 | 0.68 | 0.83 | 55.95 | 80.24 | 51.42 | 227.66 | 0.60 | 0.60 | 2.45 | 0.74 | 11.98 | 0.64 | 0.60 | 7.76 | 1.18 | 2.27 | 0.59 | 0.89 | 0,00089 |
| 50 | 10.86 | 0.93 | 3.23 | 105.55 | 137.83 | 105.57 | 400.51 | 0.71 | 0.71 | 8.89 | 1.94 | 36.73 | 0.78 | 0.71 | 15.45 | 2.84 | 5.02 | 0.70 | 2.22 | 0,00202 |
| 75 | 67.22 | 4.47 | 12.85 | 372.16 | 413.71 | 256.35 | 1355.93 | 0.86 | 0.85 | 39.22 | 7.59 | 159.50 | 1.17 | 0.84 | 44.72 | 8.32 | 17.72 | 0.83 | 5.24 | 0,00920 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2012** | | PCB 28 | PCB 52 | PCB 101 | PCB 153 | PCB 138 | PCB 180 | PCB Sum | PCB 81 | PCB 77 | PCB 123 | PCB 118 | PCB 114 | PCB 105 | PCB 126 | PCB 167 | PCB 156 | PCB 157 | PCB 169 | PCB 189 | WHO Teq 2005 |
| N | Valid | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 168 |
| missing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| mean | | 211.55 | 5.47 | 13.16 | 406.81 | 427.18 | 252.59 | 1316.98 | 0.72 | 0.72 | 49.87 | 7.18 | 154.95 | 1.99 | 0.72 | 43.01 | 7.74 | 16.30 | 0.72 | 4.65 | 0,00829 |
| SE(median) | | 81.61 | 1.08 | 2.21 | 52.71 | 52.27 | 28.36 | 178.57 | 0.01 | 0.01 | 8.96 | 0.99 | 24.29 | 0.33 | 0.01 | 5.39 | 0.93 | 1.99 | 0.01 | 0.52 | 0,00121 |
| median | | 10.24 | 0.84 | 2.74 | 130.84 | 157.86 | 115.58 | 449.73 | 0.71 | 0.71 | 8.84 | 1.00 | 37.11 | 0.76 | 0.71 | 15.90 | 2.97 | 5.25 | 0.71 | 2.17 | 0,00223 |
| sd | | 1057.73 | 14.06 | 28.63 | 683.16 | 677.56 | 367.64 | 2314.50 | 0.17 | 0.17 | 116.11 | 12.78 | 314.90 | 4.26 | 0.17 | 69.92 | 12.10 | 25.85 | 0.17 | 6.69 | 0,01562 |
| minimum | | 0.36 | 0.36 | 0.36 | 17.27 | 21.11 | 12.47 | 60.68 | 0.34 | 0.34 | 0.36 | 0.34 | 2.16 | 0.34 | 0.34 | 0.73 | 0.36 | 0.43 | 0.34 | 0.00 | 0,00012 |
| maximum | | 10037.00 | 93.00 | 229.73 | 4807.44 | 4692.24 | 2456.34 | 15899.07 | 1.21 | 1.21 | 874.03 | 82.59 | 2390.62 | 33.01 | 1.21 | 427.13 | 75.60 | 166.45 | 1.21 | 39.34 | 0,11287 |
| % | 25 | 3.03 | 0.68 | 0.73 | 66.88 | 90.81 | 68.33 | 253.07 | 0.60 | 0.60 | 2.79 | 0.71 | 12.15 | 0.64 | 0.60 | 8.23 | 1.54 | 2.80 | 0.60 | 0.93 | 0,00091 |
| 50 | 10.24 | 0.84 | 2.74 | 130.84 | 157.86 | 115.58 | 449.73 | 0.71 | 0.71 | 8.84 | 1.00 | 37.11 | 0.76 | 0.71 | 15.90 | 2.97 | 5.25 | 0.71 | 2.17 | 0,00223 |
| 75 | 58.49 | 2.56 | 10.74 | 431.91 | 437.39 | 275.96 | 1392.71 | 0.84 | 0.84 | 38.43 | 6.89 | 136.67 | 0.97 | 0.84 | 48.12 | 8.21 | 16.19 | 0.84 | 5.28 | 0,00848 |

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| **2013** | | PCB 28 | PCB 52 | PCB 101 | PCB 153 | PCB 138 | PCB 180 | PCB Sum | PCB 81 | PCB 77 | PCB 123 | PCB 118 | PCB 114 | PCB 105 | PCB 126 | PCB 167 | PCB 156 | PCB 157 | PCB 169 | PCB 189 | WHO Teq 2005 |
| N | Valid | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| missing | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0 |
| mean | | 126.84 | 3.79 | 7.32 | 397.54 | 428.91 | 264.82 | 1229.42 | 0.73 | 0.73 | 41.41 | 6.63 | 133.53 | 1.76 | 0.73 | 44.61 | 7.90 | 15.25 | 0.73 | 4.75 | 0,00739 |
| SE(median) | | 53.41 | 0.87 | 1.37 | 64.64 | 66.02 | 38.04 | 193.90 | 0.02 | 0.02 | 9.32 | 1.11 | 24.70 | 0.38 | 0.02 | 6.64 | 1.11 | 2.11 | 0.02 | 0.63 | 0,00126 |
| median | | 8.57 | 0.81 | 0.91 | 106.41 | 147.25 | 111.92 | 392.76 | 0.71 | 0.71 | 7.08 | 0.91 | 30.89 | 0.75 | 0.71 | 15.04 | 2.74 | 4.78 | 0.71 | 2.04 | 0,00173 |
| sd | | 618.26 | 10.12 | 15.84 | 748.26 | 764.29 | 440.38 | 2244.51 | 0.18 | 0.18 | 107.83 | 12.86 | 285.89 | 4.38 | 0.18 | 76.91 | 12.90 | 24.44 | 0.18 | 7.31 | 0,01461 |
| minimum | | 0.46 | 0.28 | 0.21 | 12.38 | 16.64 | 10.83 | 49.70 | 0.21 | 0.21 | 0.46 | 0.21 | 2.37 | 0.21 | 0.21 | 0.64 | 0.00 | 0.38 | 0.21 | 0.55 | 0,00015 |
| maximum | | 6720.32 | 79.07 | 86.00 | 5160.28 | 5145.75 | 2841.32 | 14378.65 | 1.32 | 1.32 | 929.85 | 95.31 | 2170.28 | 40.81 | 1.32 | 419.45 | 68.61 | 134.42 | 1.32 | 37.56 | 0,10874 |
| % | 25 | 2.08 | 0.64 | 0.68 | 54.81 | 79.61 | 60.68 | 228.34 | 0.62 | 0.62 | 2.12 | 0.70 | 10.35 | 0.64 | 0.62 | 8.63 | 1.48 | 2.40 | 0.62 | 0.91 | 0,00078 |
| 50 | 8.57 | 0.81 | 0.91 | 106.41 | 147.25 | 111.92 | 392.76 | 0.71 | 0.71 | 7.08 | 0.91 | 30.89 | 0.75 | 0.71 | 15.04 | 2.74 | 4.78 | 0.71 | 2.04 | 0,00173 |
| 75 | 38.25 | 1.04 | 5.25 | 372.88 | 382.70 | 269.64 | 1165.07 | 0.84 | 0.84 | 27.07 | 5.98 | 116.16 | 0.90 | 0.84 | 43.41 | 7.72 | 14.12 | 0.84 | 5.10 | 0,00649 |

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| **2015** | | PCB 28 | PCB 52 | PCB 101 | PCB 153 | PCB 138 | PCB 180 | PCB Sum | PCB 81 | PCB 77 | PCB 123 | PCB 118 | PCB 114 | PCB 105 | PCB 126 | PCB 167 | PCB 156 | PCB 157 | PCB 169 | PCB 189 | WHO Teq 2005 |
| N | Valid | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| missing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| mean | | 62.56 | 1.03 | 2.60 | 310.03 | 349.15 | 230.33 | 956.44 | 0.73 | 0.73 | 26.54 | 5.01 | 93.24 | 1.49 | 0.73 | 37.87 | 6.73 | 13.23 | 0.73 | 4.29 | 0,00540 |
| SE(median) | | 28.31 | 0.10 | 0.43 | 47.80 | 50.32 | 31.26 | 140.27 | 0.01 | 0.01 | 6.33 | 0.90 | 18.74 | 0.29 | 0.01 | 5.97 | 1.05 | 1.90 | 0.01 | 0.59 | 0,00095 |
| median | | 2.30 | 0.75 | 0.82 | 94.51 | 130.80 | 107.16 | 360.38 | 0.71 | 0.71 | 4.87 | 0.88 | 23.84 | 0.72 | 0.71 | 12.59 | 2.51 | 4.73 | 0.71 | 2.20 | 0,00151 |
| sd | | 310.09 | 1.10 | 4.75 | 523.60 | 551.27 | 342.47 | 1536.60 | 0.15 | 0.15 | 69.29 | 9.81 | 205.34 | 3.20 | 0.15 | 65.35 | 11.46 | 20.79 | 0.15 | 6.44 | 0,01039 |
| minimum | | 0.48 | 0.46 | 0.46 | 13.35 | 19.14 | 11.77 | 46.71 | 0.46 | 0.46 | 0.48 | 0.46 | 1.83 | 0.46 | 0.46 | 0.88 | 0.57 | 0.48 | 0.46 | 0.56 | 0,00012 |
| maximum | | 3123.74 | 8.24 | 34.79 | 2828.22 | 3138.75 | 2041.06 | 8412.89 | 1.22 | 1.22 | 576.51 | 67.56 | 1636.08 | 26.01 | 1.22 | 427.75 | 73.87 | 116.01 | 1.22 | 40.48 | 0,07967 |
| % | 25 | 1.16 | 0.62 | 0.66 | 57.84 | 83.20 | 56.05 | 223.91 | 0.61 | 0.61 | 1.70 | 0.68 | 9.29 | 0.62 | 0.61 | 7.81 | 0.95 | 2.52 | 0.61 | 0.87 | 0,00072 |
| 50 | 2.30 | 0.75 | 0.82 | 94.51 | 130.80 | 107.16 | 360.38 | 0.71 | 0.71 | 4.87 | 0.88 | 23.84 | 0.72 | 0.71 | 12.59 | 2.51 | 4.73 | 0.71 | 2.20 | 0,00151 |
| 75 | 15.54 | 0.88 | 2.30 | 315.40 | 367.53 | 258.70 | 1028.58 | 0.83 | 0.83 | 17.33 | 4.98 | 80.77 | 0.87 | 0.83 | 37.97 | 6.35 | 14.14 | 0.83 | 4.53 | 0,00540 |