**Occurrence and Possible Sources of Organochlorine Pesticides in Soils of Ningbo, East China**

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**Table S1 OCP concentrations in surface soil samples collected in Ningbo region, East China, n.d.=not detected.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | farmland soils | Vegetable soils | Industrial areas | Residential areas | Traffic areas |
|  |  | n=26 | n=18 | n=21 | n=9 | n=9 |
|  | Range | 0.58-1.58 | 0.61-1.34 | 0.48-3.51 | 0.54-7.30 | 0.53-1.10 |
| α-HCH | median | 0.9 | 0.86 | 0.72 | 0.77 | 0.72 |
|  | Mean±SE | 0.93±0.04 | 0.89±0.05 | 1.03±0.05 | 1.50±0.17 | 0.74±0.08 |
|  | Range | 0.97-2.68 | 0.78-3.35 | 0.71-2.93 | 0.80-13.96 | 0.81-1.95 |
| β- HCH | median | 1.49 | 1.81 | 0.85 | 1.23 | 1.38 |
|  | Mean±SE | 1.58±0.06 | 1.72±0.10 | 1.21±0.06 | 2.67±0.30 | 1.29±0.14 |
|  | Range | 0.48-1.07 | 0.51-0.93 | 0.45-1.69 | 0.49-2.63 | 0.47-0.89 |
| γ- HCH | median | 0.57 | 0.57 | 0.57 | 0.6 | 0.67 |
|  | Mean±SE | 0.60±0.02 | 0.60±0.03 | 0.66±0.03 | 0.80±0.09 | 0.65±0.07 |
|  | Range | 1.08-2.16 | 1.11-1.74 | 1.01-2.15 | 1.12-4.35 | 1.06-1.54 |
| δ-HCH | median | 1.31 | 1.33 | 1.24 | 1.3 | 1.21 |
|  | Mean±SE | 1.36±0.05 | 1.36±0.08 | 1.34±0.06 | 1.61±0.18 | 1.23±0.14 |
|  | Range | 3.13-6.95 | 3.08-7.10 | 2.66-8.11 | 2.97-28.24 | 2.87-5.25 |
| ∑-HCH | median | 4.3 | 4.75 | 3.68 | 3.9 | 4.18 |
|  | Mean±SE | 4.48±0.17 | 4.57±0.25 | 4.25±0.20 | 6.58±0.73 | 3.91±0.43 |
|  | Range | 0.90-62.45 | 0.78-25.65 | 0.39-15.93 | 1.32-46.33 | 0.60-24.57 |
| o,p'-DDT | median | 5.48 | 9.7 | 0.86 | 3.29 | 3.26 |
|  | Mean±SE | 11.52±0.44 | 9.15±0.51 | 2.62±0.12 | 16.03±1.78 | 5.57±0.62 |
|  | Range | 0.95-75.41 | 1.79-12.91 | 1.02-32.98 | 1.70-46.31 | 1.65-213.06 |
| p'p-DDT | median | 3.69 | 3.33 | 3.6 | 4.77 | 14.85 |
|  | Mean±SE | 11.43±0.44 | 4.54±0.25 | 5.09±0.24 | 16.54±1.84 | 43.59±4.84 |
|  | Range | 0.78-63.57 | 0.66-25.94 | 0.25-16.47 | 1.23-47.38 | 0.46-24.34 |
| p'p-DDD | median | 5.34 | 9.72 | 0.72 | 3.23 | 3.08 |
|  | Mean±SE | 11.61±0.45 | 9.14±0.51 | 2.56±0.12 | 16.26±1.81 | 5.46±0.61 |
|  | Range | 3.27-54.03 | 1.54-49.42 | 0.51-23.81 | 1.20-223.13 | 0.98-321.54 |
| p'p-DDE | median | 11.39 | 13.47 | 1.27 | 9.41 | 32.68 |
|  | Mean±SE | 15.08±0.58 | 15.89±0.88 | 4.32±0.21 | 35.24±3.92 | 118.94±13.22 |
|  | Range | 6.54-218.20 | 5.48-101.13 | 2.17-82.19 | 5.48-363.14 | 4.57-566.64 |
| ∑-DDT | median | 32.61 | 38.86 | 7.47 | 20.17 | 49.89 |
|  | Mean±SE | 49.64±1.91 | 38.72±2.15 | 14.59±0.69 | 84.07±9.34 | 173.56±19.28 |
|  | Range | 0.77-1.37 | 0.79-1.19 | 0.78-0.91 | 0.80-1.20 | 0.80-1.14 |
| HEPT | median | 0.82 | 0.86 | 0.82 | 0.83 | 0.88 |
|  | Mean±SE | 0.85±0.03 | 0.86±0.05 | 0.84±0.04 | 0.87±0.10 | 0.89±0.10 |
|  | Range | 0.19-1.91 | 0.19-1.16 | 0.20-1.28 | 0.20-2.54 | 0.20-1.18 |
| HEPX | median | 0.7 | 0.72 | 0.72 | 0.77 | 0.72 |
|  | Mean±SE | 0.70±0.03 | 0.73±0.04 | 0.69±0.03 | 0.92±0.10 | 0.73±0.08 |
|  | Range | 0.31-1.20 | 0.33-0.68 | 0.32-0.41 | 0.33-2.48 | 0.36-0.74 |
| CC | median | 0.36 | 0.36 | 0.36 | 0.35 | 0.39 |
|  | Mean±SE | 0.39±0.02 | 0.38±0.02 | 0.36±0.02 | 0.58±0.06 | 0.42±0.05 |
|  | Range | 0.59-1.33 | 0.62-0.90 | 0.61-1.08 | 0.62-2.52 | 0.68-0.97 |
| TC | median | 0.65 | 0.69 | 0.69 | 0.66 | 0.73 |
|  | Mean±SE | 0.69±0.03 | 0.70±0.04 | 0.70±0.03 | 0.89±0.10 | 0.75±0.08 |
|  | Range | 0.27-0.59 | 0.27-0.54 | 0.28-0.81 | 0.27-0.77 | 0.28-0.60 |
| aldrin | median | 0.28 | 0.29 | 0.29 | 0.29 | 0.3 |
|  | Mean±SE | 0.03±0.01 | 0.31±0.02 | 0.35±0.02 | 0.34±0.04 | 0.34±0.04 |
|  | Range | 0.00-1.36 | 0.00-0.59 | 0.00-0.91 | 0.38-1.43 | 0.00-0.66 |
| deldrin | median | 0.41 | 0.4 | 0.42 | 0.41 | 0.43 |
|  | Mean±SE | 0.41±0.02 | 0.30±0.02 | 0.40±0.02 | 0.53±0.06 | 0.32±0.04 |
|  | Range | 0.00-2.36 | 0.00-2.07 | 0.00-20.19 | 0.52-17.39 | 0.00-0.92 |
| endrin | median | 0.44 | 0.36 | 0.55 | 0.63 | 0.43 |
|  | Mean±SE | 0.54±0.02 | 0.40±0.02 | 1.76±0.08 | 2.53±0.28 | 0.46±0.05 |