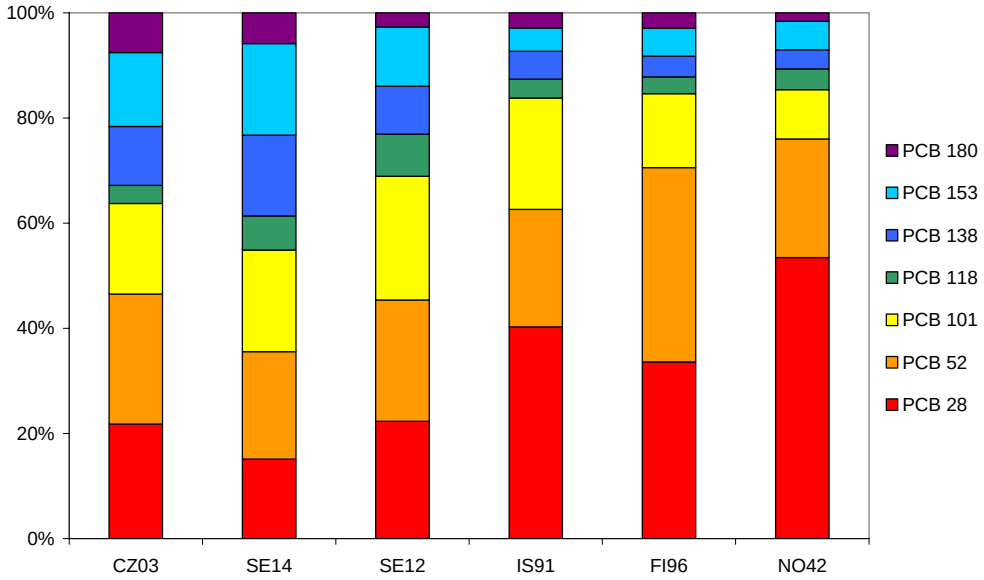
EMEP/CCC-Report 7/2004

EMEP Co-operative Programme for Monitoring and Evaluation of the Long-Range Transmission of Air Pollutants in Europe

# Heavy metals and POP measurements, 2002

Wenche Aas and Knut Breivik

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# Heavy metals and POP measurements, 2002

## 1. Introduction

Heavy metals and persistent organic pollutants (POPs) were included in EMEP's monitoring program in 1999. However, earlier data has been available and collected, and the EMEP database thus also includes older data, even back to 1988 for a few sites. A number of countries have been reporting heavy metals and POPs within the EMEP area in connection with different national and international programmers such as HELCOM, AMAP and OSPARCOM.

During the seventh phase of EMEP (EB.AIR/GE.1/1998/8) it was recommended that the future works under the Convention should concentrate on eight priority elements: lead (Pb), mercury (Hg), cadmium (Cd), chromium (Cr), nickel (Ni), zinc (Zn), copper (Cu) and arsenic (As). Particular attention should be paid to the first three elements.

The strategic long-term plans on POPs (EB.AIR/GE.1/1997/8) recommended to take a stepwise approach, and the following compounds or groups of compounds should be included in the first step: polycyclic aromatic hydrocarbons (PAHs), polychlorobiphenyls (PCBs), HCB, chlordane, lindane, $\alpha$-HCH, DDT/DDE.

These recommendations for heavy metals and POPs are implemented in the new EMEP monitoring strategy and measurement program for 2004 –2009 (to be adopted at the Steering Body in Sept., 2004). The 1998 protocols on heavy metals and POPs (Aarhus protocols) entered into force during the autumn 2003.

So far, seven reports have been published (EMEP/CCC-Reports 8/96, 9/97, 7/98, 7/99, 2/2000, 9/2001, 9/2002, 1/2003) which present data on heavy metals and POPs from national and international measurement programmes for the period 1987 to 2001. The majority of the data are included in the priority lists for heavy metals and POPs. In this report data from 2002 are presented.

## 2. Measurement programme

The site codes used in this report are the codes used for data submission and storage in the EMEP database, or codes used in the AMAP, OSPARCOM or HELCOM programmes. The codes consist of the two-letter ISO code for the countries, a four-digit number and a letter indicating the type of station, regional (R) or global (G).

### 2.1 Monitoring sites for heavy metals

The locations of the measurement sites, which have delivered data on heavy metals for 2002, are found in Figure 1 and Table 1. The sites are divided in those measuring both concentrations in air and in precipitation, and those measuring only one of them. In 2002 it was 25 sites measuring heavy metals in both compartments, and altogether it was 66 measurement sites. It was 13 sites measuring at least one form of mercury.

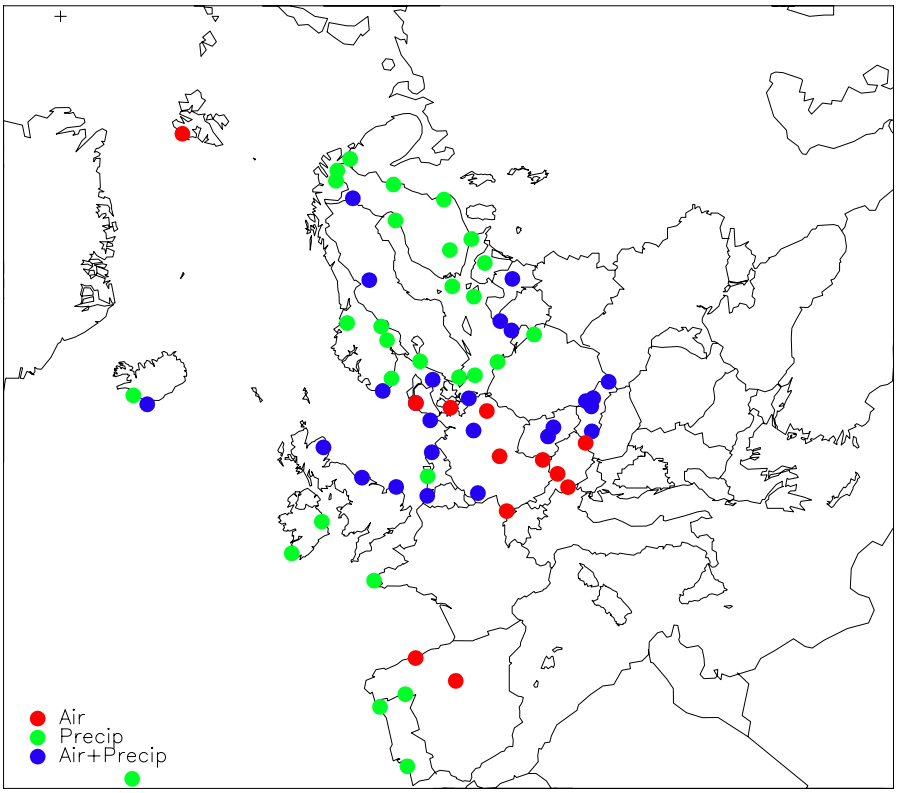


*Figure 1: Measurement network of heavy metals, 2002.*

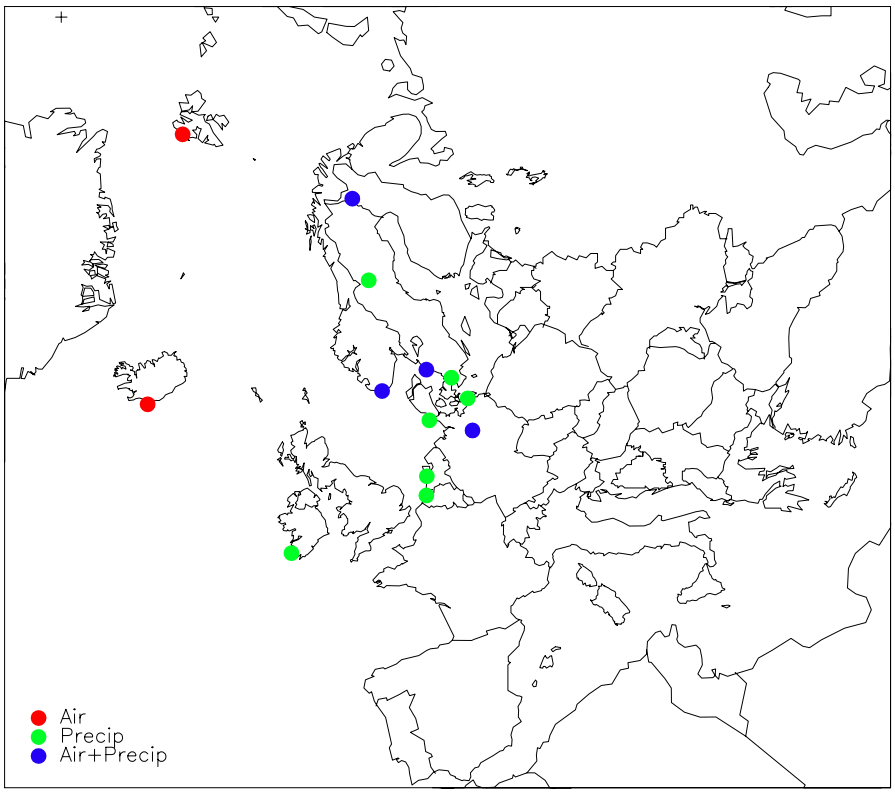


*Figure 2: Measurement network of mercury, 2002.*

*Table 1: Monitoring stations and the sampling program of heavy metals, 2002.*

| Country | Code | Station name | Latitude | | | | Longitude | | | | m a.s.l. | Metals in air | Metals in precipitation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Austria** | AT0002R | Illmitz | 47 | 46 | 0 | N | 16 | 46 | 0 | E | 117 | As, Cd, Pb, Ni | |
| | AT0004R | St. Koloman | 47 | 39 | 0 | N | 13 | 12 | 0 | E | 851 | Cd, Pb | |
| | AT0005R | Vorhegg | 46 | 40 | 40 | N | 12 | 58 | 20 | E | 1020 | As, Cd, Pb, Ni | |
| **Belgium** | BE0004R | Knokke | 51 | 21 | 36 | N | 3 | 20 | 0 | E | 0 | Cd, Cu, Pb, Ni, Zn | As, Cd, Cr, Cu, Pb, Hg, Ni, Zn |
| **Czech Republic** | CZ0001R | Svratouch | 49 | 44 | 0 | N | 16 | 2 | 0 | E | 737 | Cd, Pb | Cd, Pb, Ni |
| | CZ0003R | Kosetice | 49 | 35 | 0 | N | 15 | 5 | 0 | E | 534 | Cd, Pb | Cd, Pb, Ni |
| **Germany** | DE0001R | Westerland | 54 | 55 | 32 | N | 8 | 18 | 35 | E | 12 | As, Cd, Cu, Fe, Pb, Mn, Ni | As, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Ni, V, Zn |
| | DE0002R | Langenbrügge | 52 | 48 | 8 | N | 10 | 45 | 34 | E | 74 | As, Cd, Cu, Fe, Hg, Pb, Mn, Ni, Zn | As, Cd, Cr, Co, Cu, Fe, Pb, Mn, Ni, V, Zn |
| | DE0003R | Schauinsland | 47 | 54 | 53 | N | 7 | 54 | 31 | E | 1205 | As. Cd, Cu, Pb, Mn | |
| | DE0004R | Deuselbach | 49 | 45 | 53 | N | 7 | 3 | 7 | E | 480 | As, Cd, Cu, Pb, Mn, Ni | As, Cd, Cr, Co, Cu, Pb, Mn, Ni, V, Zn |
| | DE0005R | Brotjacklriegel | 48 | 49 | 10 | N | 13 | 13 | 9 | E | 1016 | As, Cd, Cu, Pb | |
| | DE0007R | Neuglobsow | 53 | 10 | 0 | N | 13 | 2 | 0 | E | 65 | As, Cd, Fe, Pb, Mn, Ni | |
| | DE0008R | Schmücke | 50 | 39 | 0 | N | 10 | 46 | 0 | E | 937 | As, Cd, Cu, Fe, Pb, Mn, Ni | |
| | DE0009R | Zingst | 54 | 26 | 0 | N | 12 | 44 | 0 | E | 1 | As, Cd, Cu, Fe, Hg, Pb, Mn, Ni | As, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Ni, V, Zn |
| **Denmark** | DK0003R | Tange | 56 | 21 | 0 | N | 9 | 36 | 0 | E | 13 | As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Zn | |
| | DK0005R | Keldsnor | 54 | 44 | 0 | N | 10 | 44 | 0 | E | 10 | As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Zn | |
| | DK0008R | Anholt | 56 | 43 | 0 | N | 11 | 31 | 0 | E | 40 | As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Zn | As, Cd, Cr, Cu, Fe, Pb, Ni, Zn |
| | DK0020R | Pedersker | 55 | 1 | 1 | N | 14 | 56 | 45 | E | 5 | | As, Cd, Cr, Cu, Fe, Pb, Ni, Zn |
| | DK0031R | Ulborg | 56 | 17 | 0 | N | 8 | 26 | 0 | E | 10 | As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Zn | As, Cd, Cr, Cu, Fe, Pb, Ni, Zn |
| **Estonia** | EE0009R | Lahemaa | 59 | 30 | 0 | N | 25 | 54 | 0 | E | 32 | | As, Cd, Cu, Pb, Zn |
| | EE0011R | Vilsandy | 58 | 23 | 0 | N | 21 | 49 | 0 | E | 6 | | As, Cd, Cu, Pb, Zn |
| **Spain** | ES0008R | Niembro | 43 | 26 | 32 | N | 4 | 51 | 1 | W | 134 | Pb, Cd, Cu | |
| | ES0009R | Campisábalos | 41 | 16 | 52 | N | 3 | 8 | 34 | W | 1360 | Pb, Cd, Cu | |
| **Finland** | FI0008R | Kevo | 69 | 45 | 0 | N | 27 | 0 | 0 | E | 80 | | As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, V, Zn |
| | FI0009R | Utö | 59 | 46 | 45 | N | 21 | 22 | 38 | E | 7 | | As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, V, Zn |
| | FI0017R | Virolahti II | 60 | 31 | 36 | N | 27 | 41 | 10 | E | 8 | | As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, V, Zn |
| | FI0022R | Oulanka | 66 | 19 | 13 | N | 29 | 24 | 6 | E | 310 | | As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, V, Zn |
| | FI0036R | Matarova | 68 | 0 | 0 | N | 24 | 14 | 23 | E | 340 | As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, V, Zn | As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, V, Zn |
| | FI0053R | Hailuoto II | 65 | 0 | 0 | N | 24 | 41 | 39 | E | 4 | | As, Cd, Cr, Cu, Fe, Pb, Mn, Ni |
| | FI0092R | Hietajarvi | 63 | 10 | 0 | N | 30 | 43 | 0 | E | 173 | | As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, V, Zn |
| | FI0093R | Kotinen | 61 | 13 | 48 | N | 25 | 4 | 0 | E | 158 | | As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, V, Zn |
| | FI0096R | Pallas | 67 | 58 | 0 | N | 24 | 7 | 0 | E | 566 | Hg | Hg |

*Table 1, cont.*

| Country | Code | Station name | Latitude | | | | Longitude | | | | m a.s.l. | Metals in air | Metals in precipitation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **France** | FR0090R | Porspoder | 48 | 31 | 0 | N | 4 | 45 | 0 | W | 50 | | As, Cd, Cr, Cu, Pb, Ni, Zn |
| **Great Britain** | GB0014R | High Muffles | 54 | 20 | 4 | N | 0 | 48 | 27 | W | 267 | As, Cd, Cr, Cu, Pb, Ni, Zn | As, Cd, Cr, Cu, Pb, Ni, Zn |
| | GB0090R | East Ruston | 52 | 48 | 0 | N | 1 | 28 | 0 | E | 5 | As, Cd, Cr, Cu, Pb, Ni, Zn | As, Cd, Cr, Cu, Pb, Ni, Zn |
| | GB0091R | Banchory | 57 | 5 | 0 | N | 2 | 32 | 0 | W | 120 | As, Cd, Cr, Cu, Pb, Ni, Zn | As, Cd, Cr, Cu, Pb, Ni, Zn |
| **Ireland** | IE0001R | Valentina Obs. | 51 | 56 | 23 | N | 10 | 14 | 40 | W | 11 | | Al, As, Cd, Cr, Cu, Pb, Mn, Hg, Ni, V, Zn |
| | IE0002R | Turlough Hill | 53 | 2 | 12 | N | 6 | 24 | 0 | W | 420 | | Al, As, Cd, Cr, Cu, Pb, Mn, Hg, Ni, V, Zn |
| **Iceland** | IS0090R | Reykjavik | 64 | 8 | 0 | N | 21 | 54 | 0 | W | 52 | | Al, As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, V, Zn |
| | IS0091R | Storhofdi | 63 | 24 | 0 | N | 20 | 17 | 0 | W | 118 | Al, As, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, V, Zn | Al, As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, V, Zn |
| **Lithuania** | LT0015R | Preila | 55 | 21 | 0 | N | 21 | 4 | 0 | E | 5 | Cd, Cu, Pb, Zn | Cd, Cu, Pb, Zn |
| **Latvia** | LV0010R | Rucava | 56 | 13 | 0 | N | 21 | 13 | 0 | E | 5 | As, Cd, Cu, Pb, Mn, Ni, Zn | As, Cd, Cu, Pb, Mn, Ni, Zn |
| | LV0016R | Zoseni | 57 | 7 | 59 | N | 25 | 55 | 0 | E | 183 | As, Cd, Cu, Pb, Mn, Ni, Zn | As, Cd, Cu, Pb, Mn, Ni, Zn |
| **Netherlands** | NL0009R | Kollumerwaard | 53 | 20 | 2 | N | 6 | 16 | 38 | E | 1 | As, Cd, Pb, Zn | As, Cd, Cr, Cu, Pb, Ni, Zn |
| | NL0091R | De Zilk | 52 | 18 | 0 | N | 4 | 30 | 0 | E | 4 | | As, Cd, Cr, Cu, Pb, Hg, Ni, Zn |
| **Norway** | NO0001R | Birkenes | 58 | 23 | 0 | N | 8 | 15 | 0 | E | 190 | | Cd, Pb, Zn |
| | NO0039R | Kårvatn | 62 | 47 | 0 | N | 8 | 53 | 0 | E | 210 | | Cd, Pb, Zn |
| | NO0041R | Osen | 61 | 15 | 0 | N | 11 | 47 | 0 | E | 440 | | Cd, Pb, Zn |
| | NO0042G | Zeppelin | 78 | 54 | 0 | N | 11 | 53 | 0 | E | 474 | As, Cd, Cr, Co, Cu, Pb, Mn, Hg, Ni, V, Zn | |
| | NO0047R | Svanvik | 69 | 27 | 0 | N | 30 | 1 | 59 | E | 30 | | As, Cd, Cr, Co, Cu, Pb, Ni, Zn |
| | NO0055R | Karasjok | 69 | 28 | 0 | N | 25 | 13 | 0 | E | 333 | | Cd, Pb, Zn |
| | NO0056R | Hurdal | 60 | 22 | 0 | N | 11 | 4 | 0 | E | 300 | | Cd, Pb, Zn |
| | NO0099R | Lista | 58 | 6 | 0 | N | 6 | 34 | 0 | E | 13 | As, Cd, Cr, Co, Cu, Pb, Hg, Ni, V, Zn | As, Cd, Cr, Co, Cu, Pb, Hg, Ni, V, Zn |
| **Poland** | PL0004R | Leba | 54 | 45 | 0 | N | 17 | 32 | 0 | E | 2 | | Cd, Cr, Cu, Pb, Ni, Zn |
| | PL0005R | Diabla Gora | 54 | 9 | 0 | N | 22 | 4 | 0 | E | 157 | | Cd, Cr, Cu, Pb, Ni, Zn |
| **Portugal** | PT0001R | Braganca | 41 | 48 | 0 | N | 6 | 43 | 58 | W | 690 | | Cd, Cu, Pb, Mn, Ni, Zn |
| | PT0003R | Viana do Castelo | 41 | 42 | 0 | N | 8 | 48 | 0 | W | 16 | | Cd, Cu, Pb, Mn, Ni, Zn |
| | PT0004R | Monte Velho | 38 | 5 | 0 | N | 8 | 48 | 0 | W | 43 | | Cd, Cu, Pb, Mn, Ni, Zn |
| | PT0010R | Angra do Heroismo | 38 | 40 | 0 | N | 27 | 13 | 0 | W | 74 | | Cd, Cu, Pb, Mn, Ni, Zn |

*Table 1, cont.*

| Country | Code | Station name | Latitude | | | | Longitude | | | | m a.s.l. | Metals in air | Metals in precipitation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sweden** | SE0005R | Bredkälen | 63 | 51 | 0 | N | 15 | 19 | 59 | E | 404 | As, Cd, Ni, Pb | As, Cd, Cr, Cu, Pb, Mn, Hg, Ni, V, Zn |
| | SE0011R | Vavihill | 56 | 1 | 0 | N | 13 | 9 | 0 | E | 175 | | Hg |
| | SE0014R | Råö | 57 | 23 | 0 | N | 11 | 53 | 0 | E | 10 | As, Cd, Hg, Ni, Pb | Hg |
| | SE0051R | Arup | 55 | 45 | 0 | N | 13 | 40 | 0 | E | 157 | | As, Cd, Cr, Cu, Pb, Mn, Ni, V, Zn |
| | SE0097R | Gårdsjön | 58 | 3 | 0 | N | 12 | 1 | 0 | E | 126 | | As, Cd, Cr, Co, Cu, Pb, Mn, Ni, V, Zn |
| **Slovakia** | SK0002R | Chopok | 48 | 56 | 0 | N | 19 | 35 | 0 | E | 2008 | AS, Cd, Cr, Cu, Pb, Mn, Ni, Zn | AS, Cd, Cr, Cu, Pb, Mn, Zn |
| | SK0004R | Stará Lesná | 49 | 9 | 0 | N | 20 | 17 | 0 | E | 808 | AS, Cd, Cr, Cu, Pb, Mn, Ni, Zn | AS, Cd, Cr, Cu, Pb, Mn, Zn |
| | SK0005R | Liesek | 49 | 22 | 0 | N | 19 | 40 | 59 | E | 892 | AS, Cd, Cr, Cu, Pb, Mn, Ni, Zn | AS, Cd, Cr, Cu, Pb, Mn, Zn |
| | SK0006R | Starina | 49 | 3 | 0 | N | 22 | 16 | 0 | E | 345 | AS, Cd, Cr, Cu, Pb, Mn, Ni, Zn | AS, Cd, Cr, Cu, Pb, Mn, Zn |
| | SK0007R | Topolniky | 47 | 57 | 36 | N | 17 | 51 | 38 | E | 113 | AS, Cd, Cr, Cu, Pb, Mn, Ni, Zn | AS, Cd, Cr, Cu, Pb, Mn, Zn |

It is quite evident from Figure 1–Figure 2 that the spatial distribution of monitoring sites in Europe is unsatisfactory. There are hardly any sites that measure heavy metals in neither south nor east of Europe. In the new EMEP monitoring strategy for 2004-2009 heavy metals will be a compulsory part of the monitoring program for all EMEP parties, this will hopefully improve the distribution network.

## 2.2 Monitoring sites for POPs

The locations of the measurement sites, which have delivered POPs for 2002, are shown in Figure 3 and Table 2. In 2002 it was 5 sites measuring POPs in both compartments, and altogether it was 13 measurement sites.

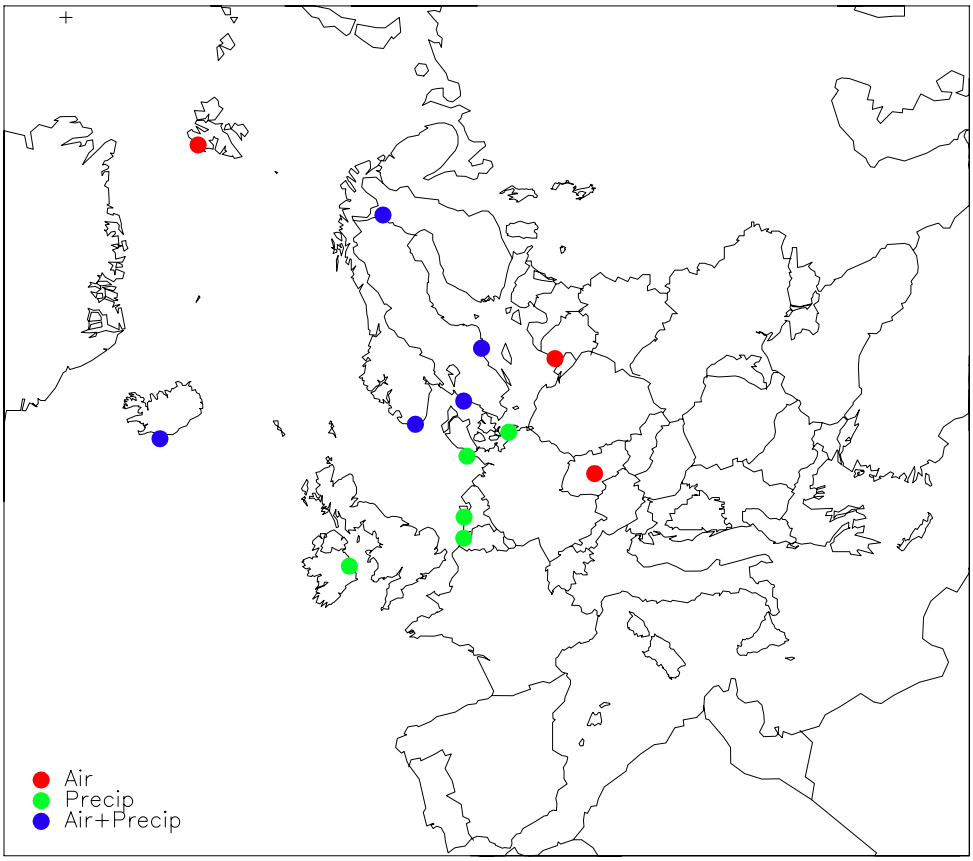


*Figure 3: Monitoring network of POPs in EMEP, 2002.*

As for heavy metal measurements, the distribution and number of sites measuring POPs are insufficient. The new EMEP monitoring strategy for 2004-2009 aims to improve the current unsatisfactorily site distribution. At the level 2 supersites, POPs in both air and precipitation should be measured at around 20-30 stations distributed over the domain.

## 2.3 Sampling and analytical techniques

A brief summary of the sampling and analytical techniques used for the 2002-data are given in Table 3 and Table 4 for heavy metals and POPs respectively.

*Table 2: Monitoring stations and their sampling program of POP, 2002.*

| Country | Code | Name | Latitude | | | | Longitude | | | | m a.s.l. | POPs in air and aerosol | POPs in precipitation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Belgium** | BE0004R | Knokke | 51 | 21 | 36 | N | 3 | 20 | 0 | E | 0 | | Pesticides, HCHs |
| **Czech Rep.** | CZ0003R | Kosetice | 49 | 35 | 0 | N | 15 | 5 | 0 | E | 534 | PAHs, PCBs, pesticides, HCHs | |
| **Germany** | DE0001R | Westerland | 54 | 55 | 32 | N | 8 | 18 | 35 | E | 12 | | PAHs, PCBs, pesticides, HCB, HCHs |
| | DE0009R | Zingst | 54 | 26 | 0 | N | 12 | 44 | 0 | E | 1 | | PAHs, PCBs, pesticides, HCB, HCHs |
| **Finland** | FI0096R | Pallas | 67 | 58 | 0 | N | 24 | 7 | 0 | E | 566 | PAHs, PCBs, pesticides, HCB | PAHs, PCBs, HCB |
| **Ireland** | IE0002R | Turlough Hill | 53 | 2 | 12 | N | 6 | 24 | 0 | W | 420 | | PCBs, pesticides, HCB, HCHs, |
| **Island** | IS0091R | Storhofdi | 63 | 24 | 0 | N | 20 | 17 | 0 | W | 118 | PCBs, pesticides, HCB, HCHs | PCBs, pesticides, HCB, HCHs |
| **Lithuania** | LT0015R | Preila | 55 | 21 | 0 | N | 21 | 4 | 0 | E | 5 | B(a)P | |
| **Netherlands** | NL0091R | De Zilk | 52 | 18 | 0 | N | 4 | 30 | 0 | E | 4 | | $\gamma$HCH |
| **Norway** | NO0042G | Spitsbergen | 78 | 54 | 0 | N | 11 | 53 | 0 | E | 474 | PAHs, pesticides, HCHs, HCB, PCBs | |
| | NO0099R | Lista | 58 | 6 | 0 | N | 6 | 34 | 0 | E | 13 | HCB, HCHs | HCB, HCHs |
| **Sweden** | SE0002R | Rörvik | 57 | 25 | 0 | N | 11 | 56 | 0 | E | 10 | PAHs, PCBs, pesticides | PAHs, PCBs, HCHs |
| | SE0012R | Aspvreten | 58 | 48 | 0 | N | 17 | 23 | 0 | E | 20 | PAHs, PCBs, pesticides | PAHs, PCBs, HCHs |

*Table 3: Measurement methods for heavy metals, 2002.*

| Country | Precipitation | | Air and aerosols | | Laboratory method | Participate in EMEP lab. Intercomp.[1] |
|---|---|---|---|---|---|---|
| | **Field method** | **Frequency** | **Field method** | **Frequency** | | |
| Austria | | | High-vol, $PM_{10}$ | 24h a week | ICP-MS | yes |
| Belgium | Bulk/Wet-only | Monthly | Filter-1pack | | AAS | no |
| Hg | Wet only | Monthly | | | CV-AAS | |
| Czech Republic | Bulk | Weekly | Filter-1pack | 1 day once in 6 days | GF-AAS | yes |
| Germany | DE01,09: Wet-only<br>DE02,04: Bulk | Weekly<br>Daily at DE02, weekly at DE04 | High Vol., $PM_{10}$ | 10 days | ICP-MS | yes |
| Hg | Wet only | Weekly | | | CV-AFS | |
| Denmark | Bulk | Monthly | Filter-3pack | daily at DK05,08,31 and weekly at DK10,11 | Precip: ICP-MS Aerosols: PIXE | no |
| Hg | Bulk (Hg) | Monthly | Hg-monitor (Tekran) | hourly | | |
| Estonia | Bulk | Monthly | | | GF-AAS, Zn: F-AAS | yes |
| Spain | | | High-vol, $PM_{10}$ | 24h a week | GF-AAS | yes |
| Finland | Bulk | Monthly | Teflon, Millipore, Fluoropore, 3 µm, 50 l/min, cut off 15 µm | weekly | ICP-MS | yes |
| Hg | Bulk (Hg) | Monthly | Hg: gold traps (TGM)<br>Hg: mini traps (TPM) | 2 days weekly<br>weekly | CV-AFS<br>CV-AFS | |
| France | Bulk | Monthly | | | GF-AAS | yes |
| Great Britain | Bulk | Monthly | Filter-1pack | Monthly | ICP-MS | yes |
| Ireland | Bulk | Monthly | | | ICP-MS | no |
| Hg | Bulk | Monthly | | | ICP-MS | |
| Iceland | Bulk | Weekly | High vol. | Biweekly | ICP-MS | (yes)[2] |
| Hg | | | | | CV-AAS | |
| Lithuania | Bulk | Monthly | Low vol. 0.5-2 $m^3/h$ | Monthly | TLC-fluorescent | yes |
| Latvia | Bulk | Monthly | Filter-1pack | Weekly | Cd, Cu, Pb, Ni, As: GF-AAS, Mn, Zn: F-AAS | yes |
| Netherlands | Wet-only | 4 weekly | Filter-1pack | 24h every 2 days | ICP-MS | yes |
| Hg | Wet-only | Weekly | | | CV-AFS | |
| Norway | Bulk | Weekly | NO42: High Vol, 20 l/h, W40<br>NO99: Filter-2-pack ($PM_{10}$ & $PM_{2.5}$), 10 l/min, Zefluor teflon | 48h a week<br>Weekly | ICP-MS | yes |
| Hg | Bulk (Hg) | Monthly | NO42: Tekran monitor<br>NO99: gold traps | 5-30min<br>12h a week | CV-AFS | |
| Poland | Wet-only | Biweekly | | | GF-AAS; Zn: F-AAS | Yes |

*Table 3, cont.*

| Country | Precipitation | | Air and aerosols | | Laboratory method | Participate in EMEP lab. Intercomp.[1] |
|---|---|---|---|---|---|---|
| | Field method | Frequency | Field method | Frequency | | |
| Portugal | PT10: Wet-only,<br>PT01,03,04: bulk | Weekly<br>Daily | | | GF-AAS, Zn: AAS<br>(all stations) | no |
| Sweden<br>Hg | Bulk<br>Bulk (Hg) | Monthly<br>Monthly | Teflon filter<br>Hg: gold traps (TGM)<br>Hg: mini traps (TPM) | Monthly<br>2 X 24 h a week<br>Weekly | ICP-MS<br>CV-AFS<br>CV-AFS | (yes)[2] |
| Slovakia | Wet-only: SK04, SK05, SK06, SK07.<br>Bulk: SK02 | Monthly | Filter-1pack, Nitrocellulose filters Sartorius 47mm, 6-24 m3/day, SPM: SK02, SK05, SK06, SK07. PM10/Partisol R&P/: SK04 | Weekly | GF-AAS; Zn: F-AAS, As: MHS | yes |

[1] Countries participated in the intercomparison in 2002 (Uggerud et. al., 2003)
[2] Samples shipped to NILU, Norway for analysis

AAS: Atomic Absorption Spectroscopy
GF-AAS: Graphic Furnace Atomic Absorption Spectroscopy
ICP-MS: Inductively Coupled Plasma - Mass Spectrometry
CV-AAS: Cold Vapor Atomic Fluoresence Spectroscopy

*Table 4: Measurement methods for POPs, 2002.*

| Country | Precipitation | | Air and aerosols | | Laboratory method |
|---|---|---|---|---|---|
| | Sampling method | Frequency | Sampling method | Frequency | |
| Belgium | Wet only | Monthly | | | GC-ECD, dual column |
| Czech rep. | Wet only | Daily | HV-GRASEBY, PUR-foam 300m$^3$/day | 1d a week | HPLC, GC-MS |
| Germany | Wet only | Monthly | | | HPLC, GC-ECD |
| Finland | Bulk +dry dep | 1 w a month | High vol. | 1 w a month | HPLC, GC-MS |
| Ireland | Bulk | Monthly | | | GC-MS |
| Iceland | Bulk, (Steel funnel 1m2/PUR foam) | Biweekly | PUF-foam 1000m$^3$/15days | Biweekly | GC-ECD |
| Lithuania | Bulk | Monthly | | Monthly | TLC-fluorescent |
| Netherlands | Bulk | Monthly | | | |
| Norway | Bulk, funnel and bottle of glass | Weekly | High Vol. Gelman AE filter +<br>2 PUR foams. 20m3/h | NO99: 24h a week<br>NO42: 48h a week | GC-MS |
| Sweden | Bulk | 1 w a month | High vol. | SE02: weekly,<br>SE12: 1 w a month | HPLC, GC-MS |

HPLC: High Performance Liquid Chromatography
GC -MS: Gas Chromatograph with Mass Spectrometry
GC - ECD: Gas Chromatograph with Electron Capture Detector
TLC: Thin Layer Chromatography

# 3. Presentation of the measurement data

## 3.1 Heavy metal concentrations over Europe

The annual concentrations of heavy metals in air and precipitation are found in Table 5 and Table 6. Maps illustrating the annual averages of Pb, Cd and Hg from the 2002 precipitation and air data are presented in Figure 4–Figure 9. The yearly mean concentrations in precipitation have been calculated from daily, weekly or monthly reported values as precipitation-weighted averages. When discussing the regional distribution of the concentration fields, it should be noticed that few countries in Southern- and Eastern Europe have reported data for heavy metals in precipitation or in air.

For heavy metal measurements there are two major problems with the data, firstly the detection limit for the method is not always adequate for the respective sampling site, and the data coverage is also in general much poorer than e.g. for main components. In the EMEP data quality objectives (EMEP, 1996) it says that the data completeness should be 90%; in addition, 75% of the data should be above the detection limit. As seen in Annex 1 and Annex 2, these two criteria are often not met. However, several countries analyze heavy metals on one or two samples weekly from daily aerosol samples. This will give poor data completeness, but the seasonal distribution and data coverage is anyhow satisfactory, the estimate of the annual average is probably quite OK even though there are no measurements on the majority of the days.

In the data plots some of the most uncertain data are omitted. In general, Ireland, Portugal and Belgium have problems with the measuring low concentrations and the sensitivity of their instruments is too low. In Belgium, the precipitation is sampled in two collectors, wet-only and bulk. The results are quite different in these two samplers so these data are therefore very uncertain.

### *3.1.1 Lead in precipitation*

The precipitation data from EE11, BE04 and GB14 is not included in the map due to large uncertainties and/or low data capture. Precipitation data from PL05, Portugal, Ireland and Estonia should be looked as upper limits because most of the data are below the detection limits.

The lowest concentrations of Pb during 2002 are found in northern Scandinavia, Iceland, Ireland and Portugal, where the annual averages are below 1 µg Pb/l (Figure 4). An exception is NO47, which is located close to the large heavy metal emission sources at the Kola Peninsula in Russia. The highest concentrations are seen in Slovakia and Lithuania with annual concentration means above 3.5 µg Pb/l at some of the sites

### *3.1.2 Cadmium in precipitation*

The cadmium precipitation measurements in Portugal and Great Britain are not included due to high uncertainties.

In Scandinavia the annual mean values of Cd are below 0.05 µg Cd/l (Figure 5), An increasing gradient can be seen southeast. The highest concentration of Cd is reported from Lithuania, with about 0.9 µg Cd/l at the Preila station.

### *3.1.3 Mercury in precipitation*

Only a few stations are measuring mercury in precipitation in Europe, and most of them are related to the OSPARCOM programme. Belgium and Irish stations are not included in the maps and table because of too high detection limits. The concentrations are in the range 5-12 ng Hg/l for all the stations (Figure 6), and the highest concentrations seen at Lista and Råö in south of Norway and Sweden respectively.

### *3.1.4 Lead in aerosols*

Figure 7 presents the annual averages of Pb in air in 2002. The lowest concentrations (below 1 ng Pb/$m^3$) can be seen in northern Scandinavia. Concentration maxima are seen in Slovakia with concentrations between 10 and 18 ng Pb/$m^3$. There are also other sites in Belgium, Spain and Austria with high concentrations.

### *3.1.5 Cadmium in aerosols*

Cadmium in aerosols is presented in Figure 8. The lowest concentrations (below 0.1 ng Cd/$m^3$) are reported from the Nordic stations. There are also relatively low concentrations in central Europe (Germany) and in Spain. An increasing gradient can be seen south-eastward, with the highest concentration maxima in Slovakia, between 0.4 and 0.6 ng Cd/$m^3$. The concentrations in Britain are comparatively high, but the uncertainties in these measurements are relatively large.

### *3.1.6 Mercury in air*

Concentrations of mercury in air are in the range 1.6–1.7 ng/$m^3$ for all the stations (Figure 9). As for mercury in precipitation, there are only a few stations delivering data on mercury in air, and they are mainly related to the AMAP and the OSPAR programme.

*Table 5: Annual average concentration of heavy metals in precipitation in 2002 (μg/l).*

| Code | Pb | Cd | Zn | Hg | Ni | As | Cu | Co | Cr | Mn | V | Fe | mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BE04-wo | 6.38 | 0.663 | 59.8 | 26.98 | 2.10 | 0.24 | 4.36 | - | 1.30 | - | - | - | 823 |
| BE4bulk | 2.88 | 0.635 | 34.6 | - | - | 0.24 | 2.09 | - | - | - | - | - | 892 |
| CZ0001R | 2.56 | 0.184 | - | - | 0.82 | - | - | - | - | - | - | - | 895 |
| CZ0003R | 1.62 | 0.097 | - | - | 1.54 | - | - | - | - | - | - | - | 774 |
| DE0001R | 1.17 | 0.039 | 12.9 | 7.19 | 0.38 | 0.15 | 1.40 | 0.02 | 0.11 | 1.91 | 0.55 | 31 | 747 |
| DE0002R | 1.39 | 0.040 | 16.7 | 8.44 | 0.40 | 0.13 | 1.36 | 0.03 | 0.22 | 2.31 | 0.37 | 30 | 890 |
| DE0004R | 1.67 | 0.059 | 10.9 | - | 0.49 | 0.08 | 2.02 | 0.03 | 0.17 | 3.04 | 0.33 | - | 862 |
| DE0009R | 1.20 | 0.041 | 11.5 | 8.68 | 0.30 | 0.14 | 2.77 | 0.03 | 0.11 | 2.36 | 0.45 | 27 | 642 |
| DK0008R | 1.57 | 0.052 | 7.9 | - | 0.27 | 0.27 | 0.97 | - | 0.20 | - | - | 47 | 718 |
| DK0020R | 1.50 | 0.060 | 15.0 | - | 0.28 | 0.18 | 0.99 | - | 0.19 | - | - | 76 | 569 |
| DK0031R | 0.79 | 0.034 | 7.3 | - | 0.24 | 0.11 | 0.71 | - | 0.15 | - | - | 31 | 1034 |
| EE0009R | 0.45 | 0.100 | 6.6 | - | - | 0.19 | 3.96 | - | - | - | - | - | 559 |
| FI0008R | 0.39 | 0.013 | 2.4 | - | 0.23 | 0.07 | 0.67 | - | 0.10 | 1.31 | 0.10 | 11 | 328 |
| FI0009R | 2.24 | 0.091 | 7.6 | - | 0.44 | 0.25 | 1.50 | - | 0.32 | 4.49 | 0.84 | 57 | 269 |
| FI0017R | 1.61 | 0.066 | 6.3 | - | 0.40 | 0.13 | 1.15 | - | 0.23 | 4.14 | 0.67 | 55 | 412 |
| FI0022R | 0.46 | 0.021 | 2.0 | - | 0.15 | 0.10 | 1.16 | - | 0.20 | 1.47 | 0.21 | 13 | 387 |
| FI0036R | 0.71 | 0.023 | 2.8 | - | 0.19 | 0.06 | 0.94 | - | 0.11 | 1.79 | 0.16 | 14 | 332 |
| FI0053R | 0.83 | 0.026 | - | - | 0.17 | 0.04 | 1.03 | - | 0.23 | 2.92 | - | 31 | 311 |
| FI0092R | 0.59 | 0.030 | 2.2 | - | 0.12 | 0.02 | 0.62 | - | 0.16 | 1.89 | 0.26 | 17 | 476 |
| FI0093R | 0.78 | 0.031 | 3.1 | - | 0.13 | 0.04 | 0.60 | - | 0.11 | 2.33 | 0.34 | 21 | 515 |
| FI0096R | - | - | - | 4.70 | - | - | - | - | - | - | - | - | 331 |
| FR0090R | 1.01 | 0.029 | 2.8 | - | 0.42 | 0.43 | 0.68 | - | 0.15 | - | - | - | 964 |
| GB0014R | - | - | 11.2 | - | 0.28 | 0.26 | 1.53 | - | 0.34 | - | - | - | 881 |
| GB0090R | 1.47 | - | 18.0 | - | 0.52 | 0.27 | 1.25 | - | 0.11 | - | - | - | 663 |
| GB0091R | 1.09 | - | 10.9 | - | 0.21 | 0.23 | 0.64 | - | 0.07 | - | - | - | 984 |
| IE0001R | 0.69 | <0.050 | 43.0 | - | <0.50 | <0.50 | 0.66 | - | <0.50 | 8.86 | <0.50 | - | 1919 |
| IE0002R | 0.79 | <0.050 | 7.8 | - | <0.50 | <0.50 | 2.10 | - | 0.93 | 2.32 | <0.50 | - | 2277 |
| IS0090R | 0.61 | 0.009 | 5.5 | - | 1.15 | 0.16 | 2.02 | - | 0.77 | 5.66 | 2.07 | 329 | 1025 |
| IS0091R | 0.40 | 0.015 | 9.1 | - | 0.96 | - | 1.90 | - | 0.75 | 6.13 | - | 437 | 1556 |
| LT0015R | 3.43 | 0.509 | 54.0 | - | - | - | 1.66 | - | - | - | - | - | 750 |
| LV0010R | 1.25 | 0.090 | 31.8 | - | 11.31 | 0.49 | 2.00 | - | - | 3.73 | - | - | 540 |
| LV0016R | 0.99 | 0.115 | 20.9 | - | 1.09 | 0.49 | 3.91 | - | - | 5.95 | - | - | 498 |
| NL0009R | 1.28 | 0.054 | 6.0 | - | 0.20 | 0.21 | 1.50 | - | 0.28 | - | - | - | 981 |
| NL0091R | 3.06 | 0.051 | 6.2 | 9.32 | 0.26 | 0.09 | 1.60 | - | 0.26 | - | - | - | 794 |
| NO0001R | 0.99 | 0.034 | 3.6 | - | - | - | - | - | - | - | - | - | 1450 |
| NO0039R | 0.32 | 0.018 | 1.9 | - | - | - | - | - | - | - | - | - | 1189 |
| NO0041R | 0.87 | 0.029 | 4.3 | - | - | - | - | - | - | - | - | - | 722 |
| NO0047R | 2.64 | 0.054 | 7.0 | - | 11.10 | 1.25 | 12.00 | 0.32 | 0.21 | - | - | - | 367 |
| NO0055R | 0.57 | 0.033 | 6.4 | - | - | - | - | - | - | - | - | - | 357 |
| NO0056R | 0.70 | 0.026 | 4.1 | - | - | - | - | - | - | - | - | - | 831 |
| NO0099R | 2.15 | 0.033 | 6.8 | 12.81 | 0.29 | 0.29 | 1.30 | 0.02 | 0.16 | - | 1.91 | - | 1064 |
| PL0004R | 0.96 | 0.051 | 4.4 | - | 0.19 | - | 0.99 | - | 0.14 | - | - | - | 746 |
| PL0005R | 2.09 | 0.385 | 12.8 | - | 0.35 | - | 1.18 | - | 0.20 | - | - | - | 626 |
| PT0001R | <0.65 | - | 56.2 | - | 0.87 | - | 1.33 | - | - | 2.27 | - | - | 1015 |
| PT0003R | <0.65 | - | 15.3 | - | 0.91 | - | 1.47 | - | - | 1.65 | - | - | 1730 |
| PT0004R | <0.65 | - | 5.7 | - | 1.03 | - | 0.65 | - | - | 1.90 | - | - | 694 |
| PT0010R | 0.70 | - | 44.2 | - | 9.08 | - | 0.55 | - | - | 4.47 | - | - | 1065 |
| SE0005R | 0.50 | 0.030 | 4.2 | 7.22 | 0.34 | 0.04 | 0.99 | - | 0.24 | 3.87 | 0.17 | - | 334 |
| SE0011R | - | - | - | 9.91 | - | - | - | - | - | - | - | - | 674 |
| SE0014R | - | - | - | 12.26 | - | - | - | - | - | - | - | - | 582 |
| SE0051R | 1.73 | 0.048 | 5.4 | - | 0.32 | 0.13 | 0.86 | - | 0.22 | 3.40 | 0.75 | - | 912 |
| SE0097R | 0.96 | 0.034 | 4.6 | - | 0.09 | 0.09 | 0.80 | - | 0.12 | 2.54 | 0.71 | - | 988 |
| SK0002R | 4.11 | 0.512 | 38.4 | - | 0.74 | 0.28 | 2.61 | - | 0.26 | 5.08 | - | - | 1151 |
| SK0004R | 1.98 | 0.249 | 8.3 | - | 0.32 | 0.29 | 1.77 | - | 0.07 | 3.41 | - | - | 874 |
| SK0005R | 1.34 | 0.098 | 10.4 | - | 2.31 | 0.26 | 1.10 | - | 0.08 | 5.73 | - | - | 804 |
| SK0006R | 2.22 | 0.150 | 8.7 | - | 0.33 | 0.32 | 1.89 | - | 0.09 | 3.67 | - | - | 787 |
| SK0007R | 1.36 | 0.082 | 6.7 | - | 0.26 | - | 0.83 | - | 0.83 | 4.65 | - | - | 580 |

*Table 6: Annual average concentration of heavy metals in air in 2002 (ng/m$^3$).*

| Code | Pb | Cd | Zn | Hg (g) | Ni | As | Cu | Co | Cr | Mn | V | Fe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AT0002R | 13.91 | 0.444 | - | - | 2.35 | 1.06 | - | - | - | - | - | - |
| AT0004R | 3.01 | 0.131 | - | - | - | - | - | - | - | - | - | - |
| AT0005R | 5.04 | 0.167 | - | - | 1.35 | 0.47 | - | - | - | - | - | - |
| BE0004R | 17.07 | - | - | - | 17.94 | - | 27.03 | - | - | - | - | - |
| CZ0001R | 8.90 | 0.366 | - | - | - | - | - | - | - | - | - | - |
| CZ0003R | 7.79 | 0.314 | - | - | - | - | - | - | - | - | - | - |
| DE0001R | 6.21 | 0.161 | - | - | 1.31 | 0.61 | 2.56 | - | - | 2.94 | - | 101 |
| DE0002R | 7.21 | 0.195 | 19.7 | 1.70 | 0.89 | 0.56 | 2.28 | - | - | 3.24 | - | 95 |
| DE0003R | 2.54 | 0.077 | - | - | - | 0.20 | 1.27 | - | - | 1.64 | - | - |
| DE0004R | 8.96 | 0.183 | - | - | 0.56 | 0.48 | 2.04 | - | - | 4.36 | - | - |
| DE0005R | 3.24 | 0.110 | - | - | - | 0.43 | 1.01 | - | - | - | - | 89 |
| DE0007R | 7.75 | 0.220 | - | - | 0.91 | 0.86 | - | - | - | 2.96 | - | 51 |
| DE0008R | 4.75 | 0.115 | - | - | 0.83 | 0.43 | 1.41 | - | - | 1.88 | - | 51 |
| DE0009R | 6.91 | 0.183 | - | 1.63 | 1.75 | 0.64 | 2.14 | - | - | 2.68 | - | 78 |
| DK0003R | 4.71 | 0.149 | 13.2 | - | 1.08 | 0.68 | 1.77 | - | 0.42 | 4.16 | - | 117 |
| DK0005R | 6.05 | 0.180 | 14.1 | - | 2.18 | 0.52 | 1.56 | - | 0.42 | 2.82 | - | 90 |
| DK0008R | 3.57 | 0.100 | 9.4 | - | 1.54 | 0.33 | 0.92 | - | 0.25 | 2.15 | - | 58 |
| DK0031R | 2.82 | 0.088 | 7.8 | - | 0.75 | 0.24 | 0.73 | - | 0.20 | 1.79 | - | 55 |
| ES0008R | 12.94 | 0.172 | - | - | - | - | 27.90 | - | - | - | - | - |
| ES0009R | 6.55 | 0.064 | - | - | - | - | 53.82 | - | - | - | - | - |
| FI0036R | 0.75 | 0.028 | 1.7 | - | 0.42 | 0.19 | 0.45 | - | 0.12 | 0.59 | 0.40 | 28 |
| GB0014R | 5.39 | 0.271 | 48.5 | - | 1.17 | 0.69 | 1.46 | - | 1.71 | - | - | - |
| GB0090R | 8.00 | 0.434 | 42.2 | - | 1.94 | 1.55 | 2.25 | - | 1.33 | - | - | - |
| GB0091R | 2.00 | 0.255 | 27.3 | - | 0.47 | 0.49 | 0.72 | - | 0.68 | - | - | - |
| IS0091R | 0.70 | 0.051 | 4.7 | - | 4.71 | 0.13 | 1.31 | - | 7.52 | 16.34 | 4.15 | 958 |
| LT0015R | 6.88 | 0.229 | 25.0 | - | - | - | 1.41 | - | - | - | - | - |
| LV0010R | 5.63 | 0.223 | 24.0 | - | 1.24 | 0.61 | 1.12 | - | - | 9.29 | - | - |
| LV0016R | 3.08 | 0.300 | 10.9 | - | 1.18 | 0.85 | 0.69 | - | - | 15.21 | - | - |
| NL0009R | 7.70 | 0.176 | 24.1 | - | - | 0.67 | - | - | - | - | - | - |
| NO0042G | 0.66 | 0.027 | 1.2 | 1.60 | 0.07 | 0.39 | 0.25 | 0.01 | 0.04 | 0.26 | 0.08 | - |
| NO0099R | 2.99 | 0.062 | 5.8 | 1.64 | 0.64 | 0.30 | 0.93 | 0.04 | 1.03 | - | 1.49 | - |
| SE0005R | 0.60 | 0.023 | - | - | 0.14 | 0.09 | - | - | - | - | - | - |
| SE0014R | 2.89 | 0.094 | - | 1.67 | 1.23 | 0.39 | - | - | - | - | - | - |
| SK0002R | 2.88 | 0.101 | 7.2 | - | 0.62 | 0.24 | 0.82 | - | 1.05 | 2.18 | - | - |
| SK0004R | 10.62 | 0.396 | 19.7 | - | 0.88 | 1.03 | 2.25 | - | 1.29 | 5.43 | - | - |
| SK0005R | 9.02 | 0.604 | 27.2 | - | 0.45 | 1.30 | 19.29 | - | 1.23 | 23.86 | - | - |
| SK0006R | 10.85 | 0.475 | 14.5 | - | 0.81 | 0.69 | 0.46 | - | 1.09 | 4.23 | - | - |
| SK0007R | 17.93 | 0.548 | 27.8 | - | 2.03 | 1.68 | 4.43 | - | 3.68 | 8.38 | - | - |

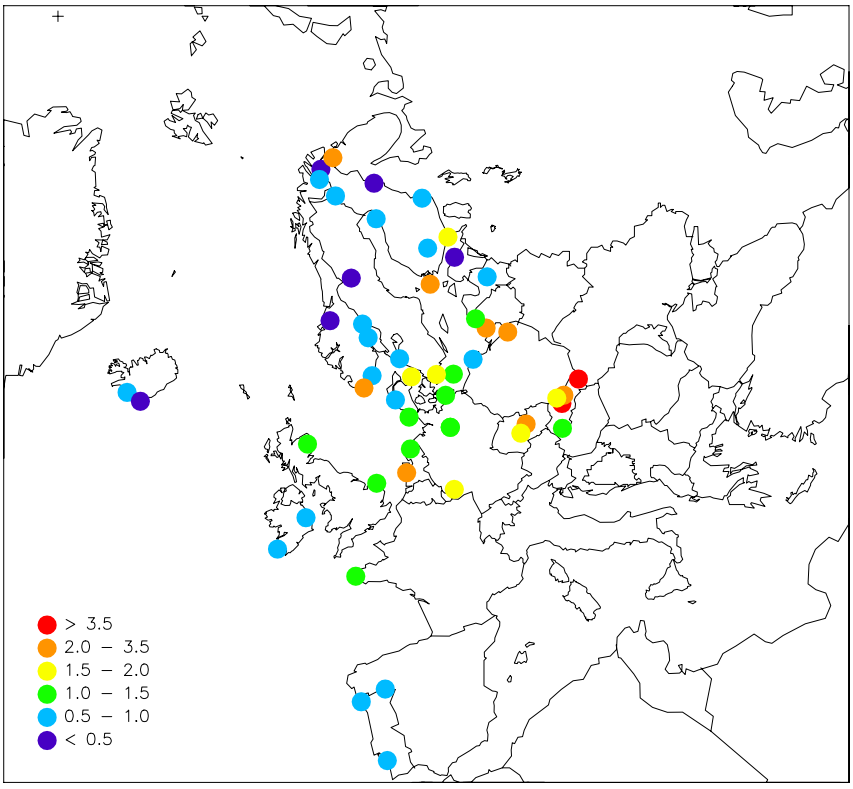


*Figure 4: Lead in precipitation, 2002 (µg/l).*

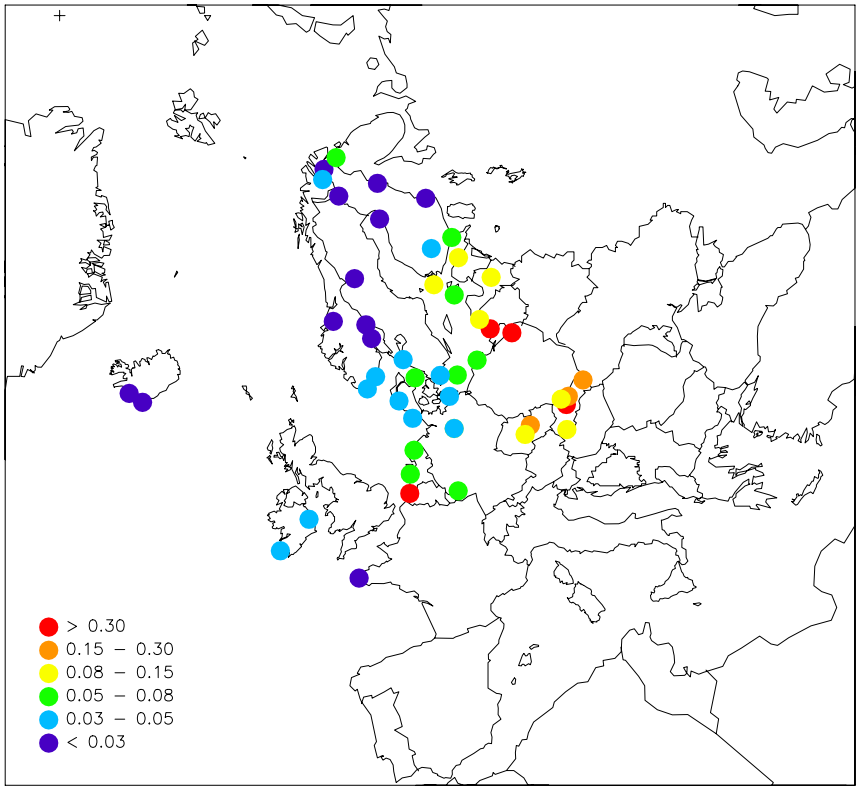


*Figure 5: Cadmium in precipitation, 2002 (µg/l).*

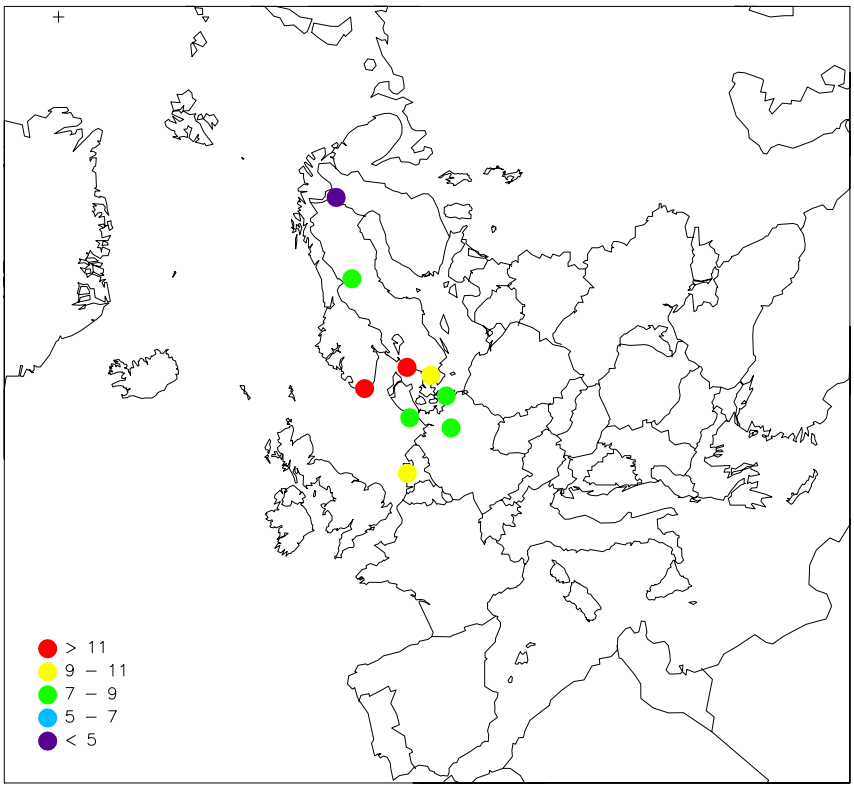


*Figure 6: Mercury in precipitation, 2002 (ng/l).*

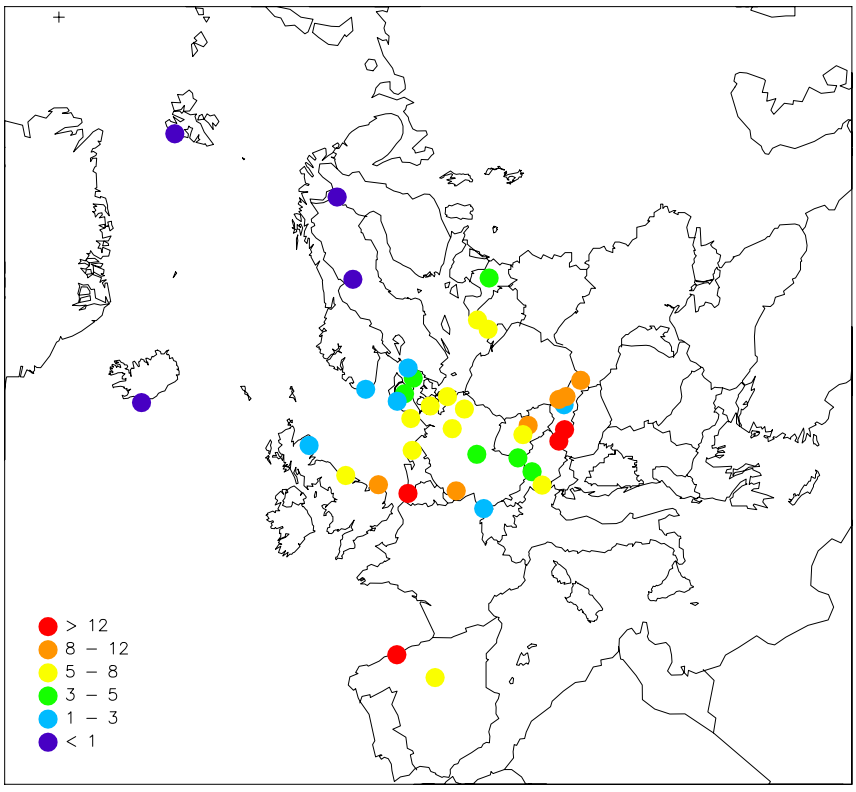


*Figure 7: Lead in aerosols, 2002 (ng/m³).*

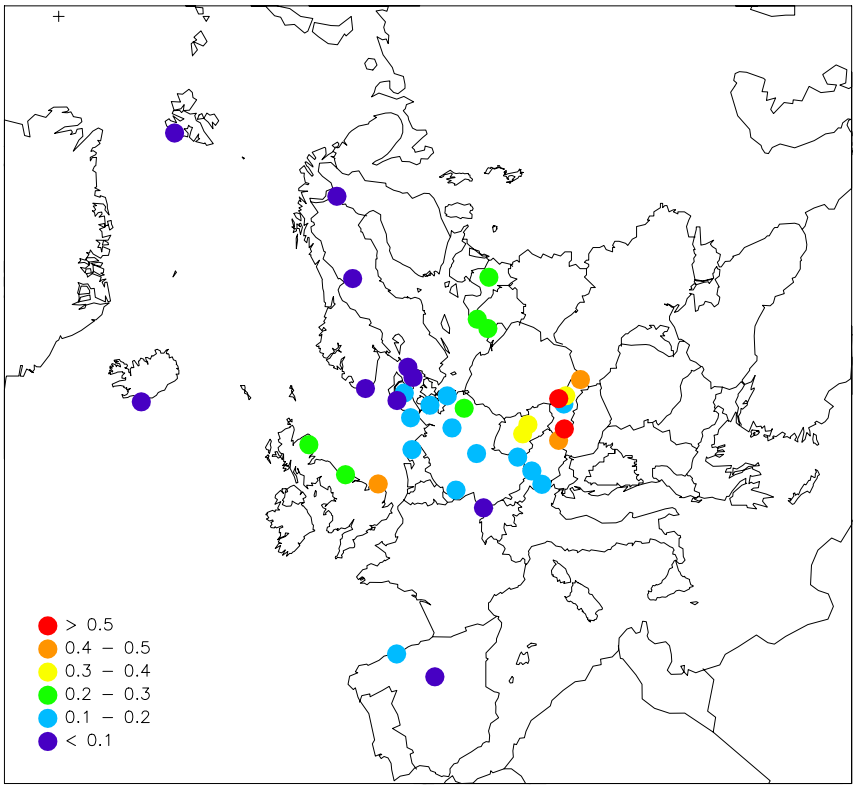


*Figure 8: Cadmium in aerosols, 2002 (ng/m³).*

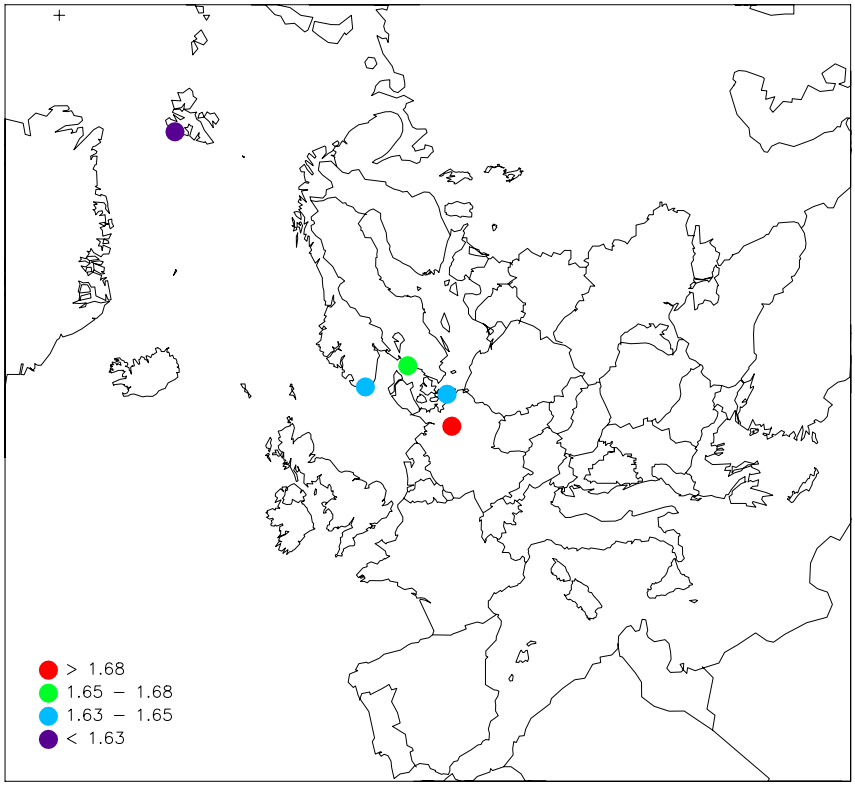


*Figure 9: Mercury in air, 2002 (ng/m³).*

## 3.2 Concentrations of POPs

It is generally difficult to give full credit to the information content in the POP data. Different sampling and analysis techniques make it difficult to compare data, especially for precipitation. SE02, SE12 and FI96 have a precipitation sampler with 1 $m^2$ collection area and these results are given as deposition rates, ng/$m^2$ day. The rationale is that this includes both wet deposition and some dry deposition on the exposed collector surface, so to compare the spatial pattern in Europe, air concentrations are used.

In Figure 10–Figure 15 it is shown maps with annual averaged air concentrations of some of the main PAH and pesticides. In general the concentrations decrease from south to north, except for α-HCH where the highest concentration is seen in Svalbard. The presence of HCH in environments far away from the sources is due to LRTAP. The relatively high concentrations of α-HCH measured at higher latidues have also been observed in seawater. Preferential deposition and accumulation in polar latitudes of α-HCH are expected according to the hypothesis of global fractionation and cold condensation (Wania and Mackay, 1996). Iceland is influenced by westerly air masses, which explain the lower concentrations seen at IS0091.

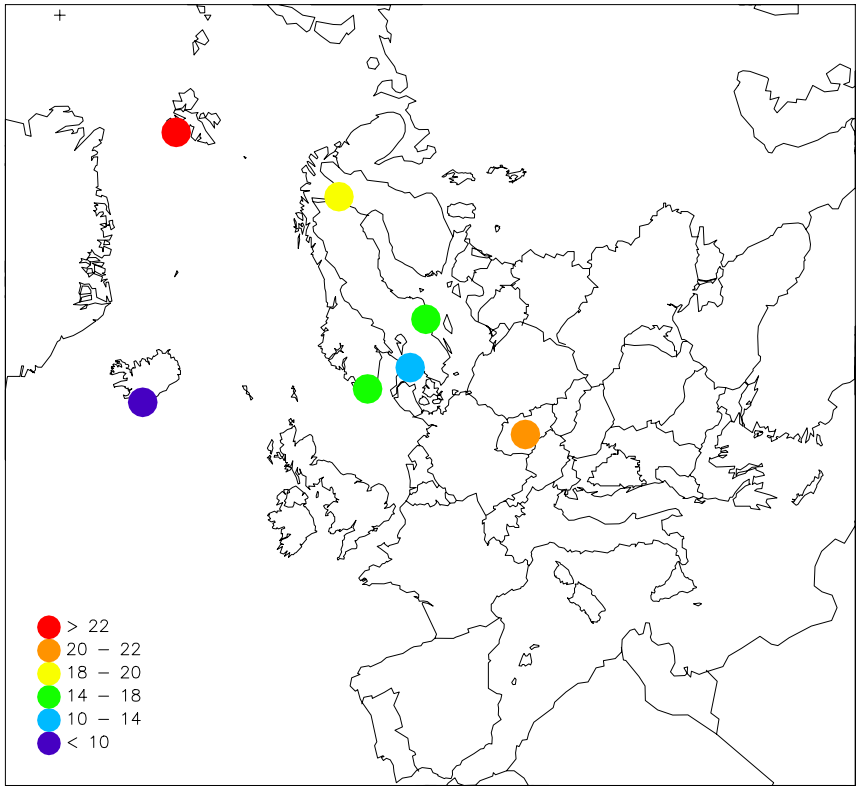


*Figure 10: α-HCH in air, 2002 (pg/$m^3$).*

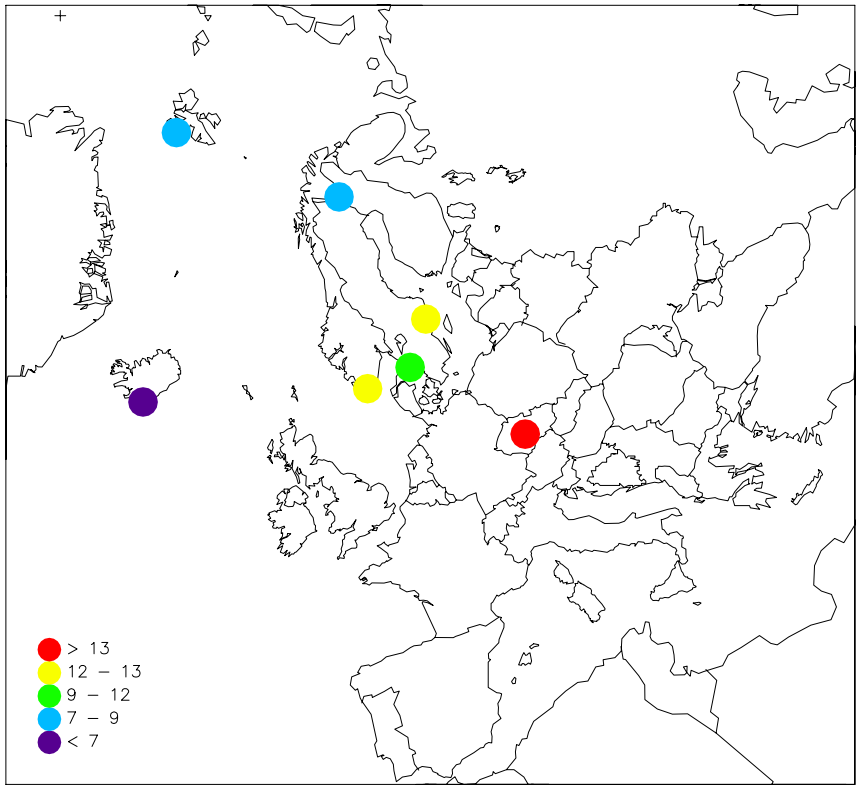


*Figure 11: γ– HCH in air, 2002 (pg/m$^3$).*

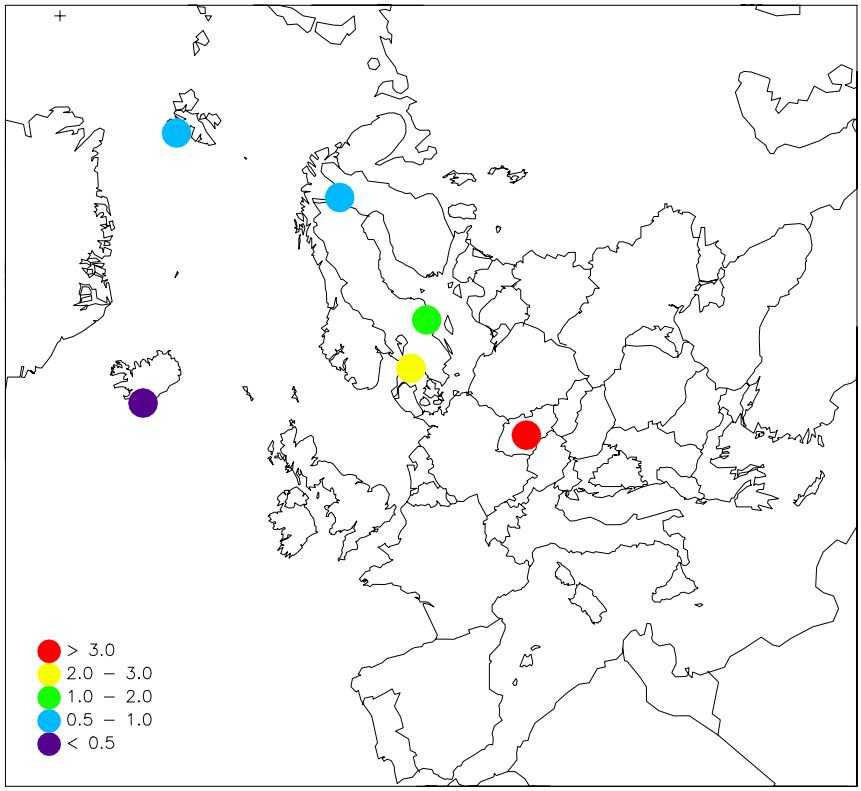


*Figure 12: pp-DDE in air, 2002 (pg/m$^3$).*

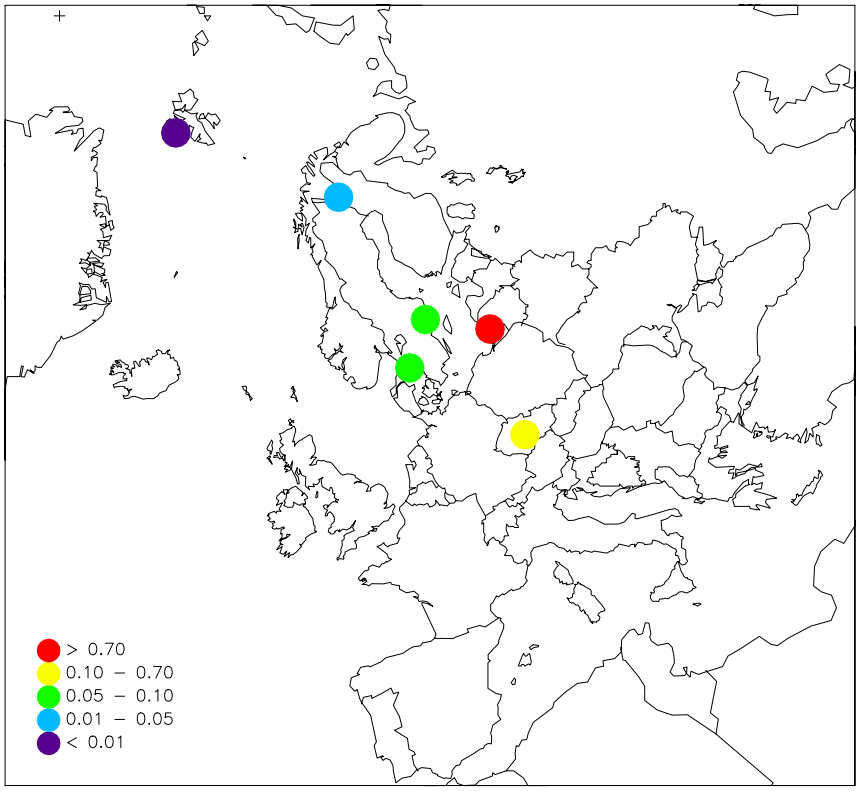


*Figure 13: Benzo-a-pyrene (BaP) in air, 2002 (ng/m$^3$).*

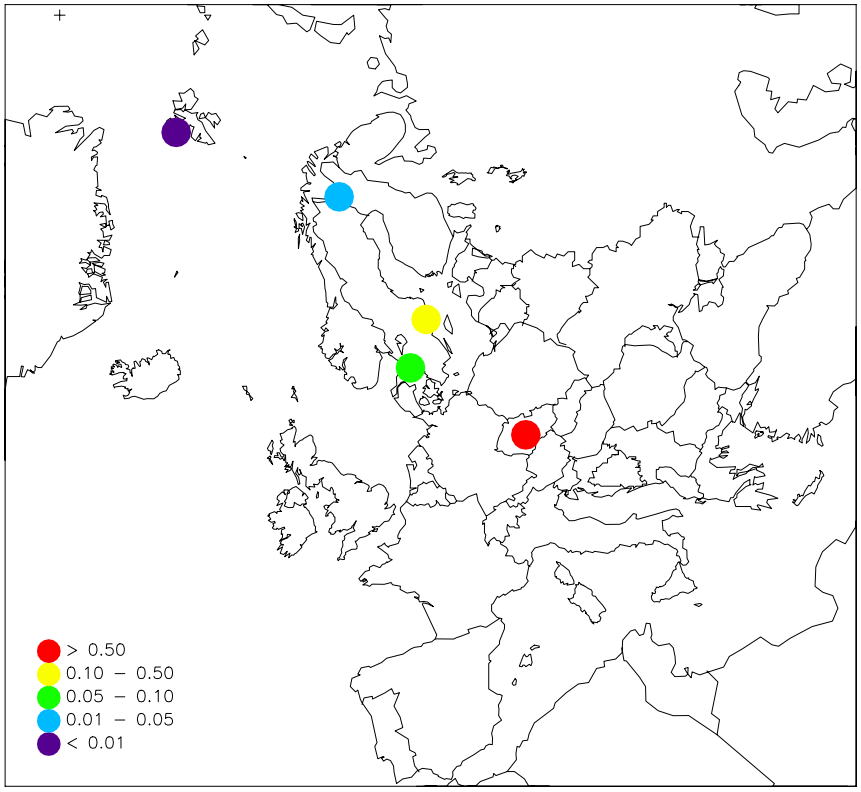


*Figure 14: Inden-123cd-pyrene in air, 2002 (ng/m$^3$).*

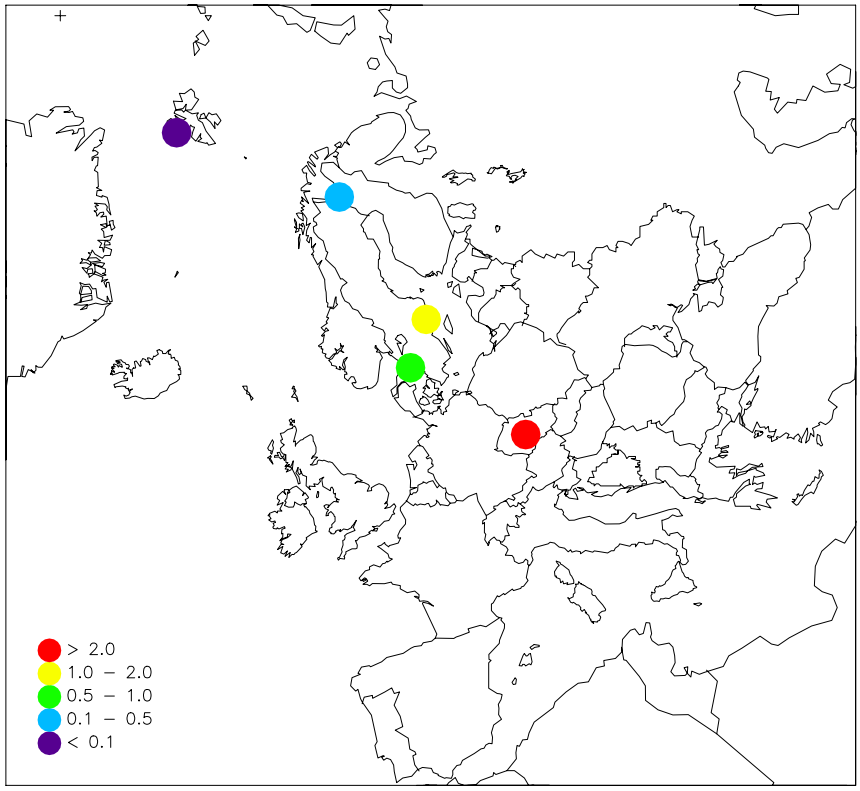


*Figure 15: Phenantrene in air, 2002 (ng/m$^3$).*

### 3.3 PCBs in air

PCBs consist of various individual chemical species (congeners). Altogether, 209 different congeners are possible, although only a few are regularly monitored in environmental samples. The data presented herein includes seven individual PCB congeners (PCBs 28, 52, 101, 118, 138, 153, 180). During 2002, these PCBs were monitored in air at stations in the Czech Republic (CZ03), Sweden (SE12 and SE14), Finland (FI96), Iceland (IS91) and Norway (NO42). Figure 16 shows the spatial pattern of the annual average air concentrations of the sum of the seven PCBs ($\Sigma_7$PCB).

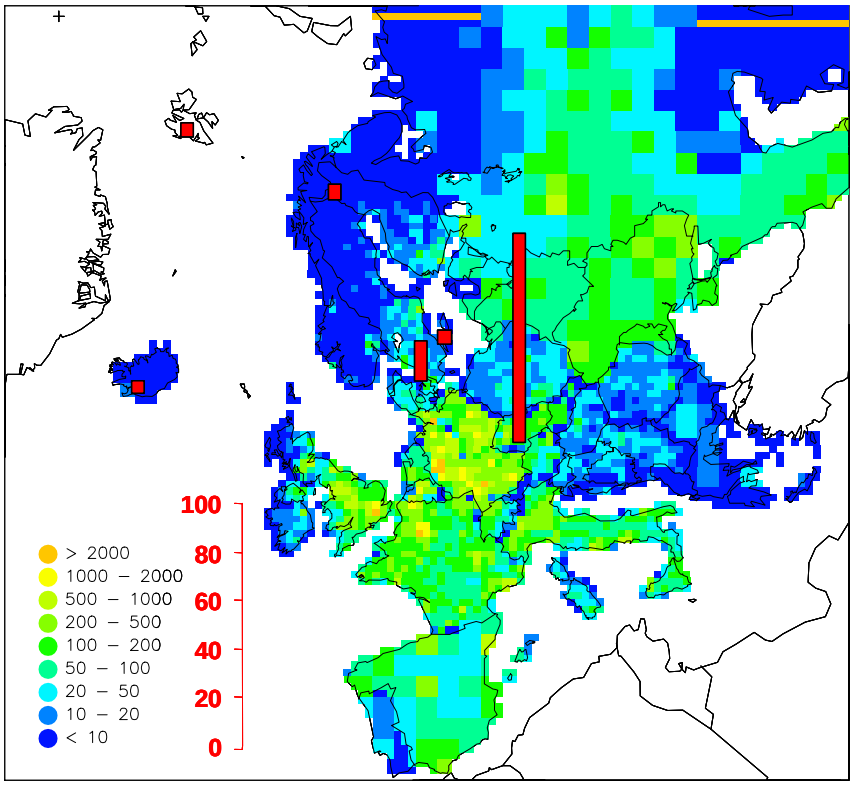


*Figure 16: Spatial pattern of $\Sigma_7$PCB in air in 2002 (red bars in pg/m$^3$). Also shown is the estimated historical consumption of total PCBs in Europe (Breivik et al 2002).*

Elevated levels of PCBs are observed at the station in the Czech Republic (86 pg/m$^3$) as compared to the other stations, which are all below 17 pg/m$^3$. The high levels in the stations in the Czech Republic are not surprising, considering the high historical usage of PCBs in central Europe (Fig. 1; Breivik et al., 2002). It is also known that former Czechoslovakia were among the European countries where PCBs were produced in significant amounts until 1984 (Taniyasu et al., 2003). Large differences in atmospheric PCB levels across Europe were also noted by Jaward et al. (2004). They carried out a campaign during the summer of 2002, deploying 71 passive air samplers throughout Europe, and found that the atmospheric levels of PCBs were found to vary by as much as two orders of magnitude. Elevated levels were found in urban areas, suggesting that densely populated regions tend to be key contemporary source regions of PCBs to the atmosphere. With the exception of the station in the Czech Republic and the southernmost station in Sweden, the concentrations of $\Sigma_7$PCB are generally low. Interestingly, the atmospheric levels of $\Sigma_7$PCB are indeed also virtually identical for the four northernmost stations (~5-6 pg/m$^3$). However, the relative contribution of individual PCB congeners is rather different (Figure 17).

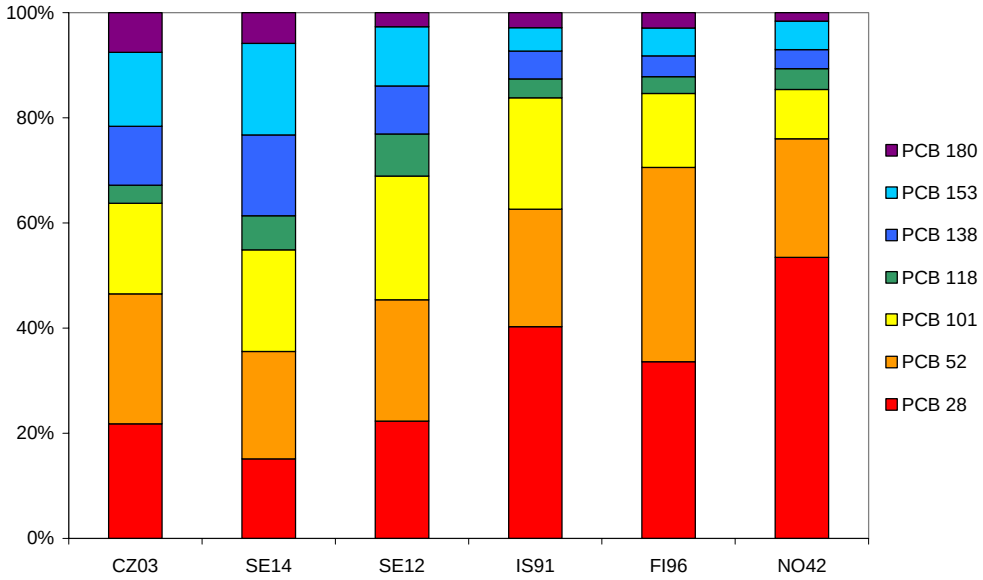


*Figure 17: Relative contribution of individual PCB congeners to $\Sigma_7$PCB in air at various stations. The stations are sorted from south (left) to north (right).*

Figure 17 conveys the message that there is a tendency that the heavier congeners (PCBs 138, 153 and 180) are enriched in the southernmost stations (Czech Republic, Southern Sweden), whilst the lighter congeners (PCBs 28 and 52) are enriched at the northernmost sites (Iceland, Finland as well as Spitzbergen in Norway). This clearly confirms that there are marked differences in the long-range transport potential (LRTP) within the group of PCBs (Wania and Dugani, 2003). LRTP is controlled by the competing processes of atmospheric degradation and net atmospheric deposition. The data in Figure 16 suggest that it is net atmospheric deposition that tends to reduce the LRTP of the heavier PCBs as compared to the lighter PCBs. This is caused by a change in phase partitioning in the atmosphere for which the heavier PCBs get increasingly sorbed to atmospheric particles at decreasing temperatures. This again contributes to a depletion of heavier congeners due to atmospheric deposition, and thus an increased prevalence of lighter congeners in the northernmost air samples (Wania and Su, 2004).

## 3.4 Annual summaries

Annual summaries of heavy metals in precipitation and air are given in Annex 1 and Annex 2, respectively. Annual summaries for POP data are seen in Annex 3 and Annex 4. The precipitation component summaries contain:

- the precipitation weighted arithmetic mean value,
- the minimum and maximum daily concentrations,
- the number of data below the detection limit,
- the number of samples for a specified component

The wet depositions have been obtained by multiplying the weighted mean concentration by the total amount of precipitation in the period. The concentrations for days with missing precipitation data have consequently been assumed to be equal to the weighted average of the period.

For air components the arithmetic mean and the geometric mean have been computed together with their standard deviations. The definitions are given on the next three pages. The geometric standard deviation is a dimensionless factor. As a measure of the completeness of the dataset, the number of samples analysed in the period has been printed.

In the computations of mean values and other statistics, the concentrations below the detection limit have been set equal to one half of the actual limit. An overview of the statistics and definitions is given below.

W.mean $\hat{c}$ is the precipitation weighted arithmetic mean concentration used for precipitation components:

$$\hat{c} = \frac{1}{\sum_i p_i} \cdot \sum_i c_i \cdot p_i$$

where $p_i$ is precipitation amount day $i$ with the measured concentration $c_i$ of a specific component.

Dep is the wet deposition of a specific precipitation component. The deposition is the product of the total precipitation amount measured and the weighted arithmetic mean of a component measured at a site.

Arit mean $\overline{c_a}$ is the arithmetic mean value used for air components only, and $N$ is number of days with data:

$$\overline{c_a} = \frac{1}{N} \sum_i c_i$$

Arit sd $sd_a$ is the arithmetic standard deviation from the arithmetic mean value. It is computed for air components only:

$$sd_a = \left( \frac{\sum_i \left( c_i - \overline{c_a} \right)^2}{N - 1} \right)^{\frac{1}{2}}$$

Geom mean $\overline{c_g}$ is the geometric mean value used for air components only, and it is computed from the arithmetic mean of ln c:

$$\overline{lnc} = \frac{1}{N} \cdot \sum_i lnc_i$$

$$\overline{c_g} = exp\left(\overline{lnc}\right)$$

Geom sd $sd_g$ is the geometric standard deviation from the geometric mean value. It is computed for air components only, and it is based on the standard deviation of *ln c*:

$$sd_g = exp\left(sdlnc\right)$$

Min is the minimum value reported for a specific component, and it is printed both for precipitation and air components. Some countries report negative values and even though these are not "real" values, it is statistically correct to include these.

5%, 50%, 95% is the 5, 50 and 95 percentile, defined as above and computed for air data only.

Max is the maximum value reported for a specific component, and it is given for precipitation and air components.

Num bel is the number of data below the detection limit (not used for precipitation amount).

Num samples is the number of samples for a specific component.

The units used for the results in this report are given in Table 7.

*Table 7: Units used for the measured components.*

| Components | Units for W. mean, Min Max | Units for depositions |
|---|---|---|
| Amount precipitation | mm | mm |
| Heavy metals in precipitation | μg/l | μg /$m^2$ |
| Mercury in precipitation | ng/l | ng//$m^2$ |
| Heavy metals in air | ng/$m^3$ | |
| Mercury in air | ng/$m^3$ | |
| POPs in precipitation | ng/l | ng/$m^2$ |
| PAHs in air | ng/$m^3$ | |
| Pesticides, HCB and PCBs in air | pg/$m^3$ | |

### 3.5 Monthly summaries

Monthly averages of heavy metals are given in Annexes 5-8. The monthly mean values of precipitation data are precipitation weighted arithmetic averages. Average air concentrations are arithmetic averages of the reported values.

Data, which do not have monthly resolution, but have parts of the sample in one month and parts in the following, have estimated monthly means. The precipitation data have been treated like this: If e.g. a weekly sample has 5 days in one month and 2 days in the next, 5/7 parts of the precipitation will be assigned to the first month and 2/7 parts to the next month, while the concentrations are assumed to be equal. The precipitation weighted monthly averages are then calculated as the estimated monthly deposition divided by the monthly precipitation amount.

For air samples starting and ending in different months weighted averages are calculated in a similar way. All values are multiplied with the number of days within a given month. The average is obtained by dividing the sum of these values with the number of days with measurements in that month.

### 3.6 Update

**The data compiled in this report represent the best data available at present. If any further errors are detected, the data will be corrected in the database.** It is important that the users make certain that they have access to the most recent version of the database. For the data presented here the latest alteration is 1 June 2004. Scientific use of the EMEP data should be based on fresh copies of the data. Copies can be requested from the CCC (e-mail: wenche.aas@nilu.no or annehj@nilu.no). The newest updates will be downloadable from EMEP's homepage as well, http://www.nilu.no/projects/ccc/emepdata.html. Information about the EMEP measurement network can be found at CCC's internet pages at http://www.nilu.no/projects/ccc/index.html.

## 4. Conclusions and recommendations

The lowest concentrations of Pb and Cd are generally observed in northern Scandinavia, Greenland, Iceland, and the westernmost part of Europe. Increasing gradients can be seen south and eastward. Several countries in Europe have reduced their emissions of Cd, which can be seen in the decreasing level in the Cd concentrations at several stations. However, no clear trends can be noticed for other stations.

There is a general need for more measurement sites with high quality data. Few stations in central parts of Europe, the Mediterranean region and the most eastern part of Europe have reported data for heavy metals in precipitation. The site density is also low for heavy metals in air in Scandinavia, the Mediterranean region and Eastern Europe. Data for POPs have been reported only from countries around the North and Baltic Seas, in the Arctic and from the Czech Republic.

It is important that all the countries deliver data on schedule every year so they can be included in the data report. Data delivered after the deadline will be

included in the database only, which reduce the availability of the data. CCC will still appreciate receiving old data for the database. These data will be quality checked and transferred to the database in the same way as newer data. It is important that the participants give information on sampling, analytical methods and quality control.

## 5. Acknowledgements

A large number of anonymous co-workers in participating countries have been involved in this work. A list of participating institutes, which have provided data for 2002, can be seen below. The staff at CCC wishes to express their gratitude and appreciation for continued good co-operation and efforts. The email address to the data reporter/contact persons can be accessed by contacting CCC.

| **Country** | **Institute** | **Data reporter** |
|---|---|---|
| Austria | Umweltbundesamt, Wien | Marina Fröhlich |
| Belgium | Flemish Environmental Agency | Jasmine Dumollin |
| Czech Republic | Czech Hydrometeorological Institute | Jaroslav Pekarek |
| Denmark | National Environmental Research Institute | Kåre Kemp |
| Estonia | Estonian Environmental Research Centre | Toivo Truuts |
| Finland | Finnish Meteorological Institute | Sirkka Leppanen |
| France | Laboratoire de Chimie Analytique | Jean Yves Cabon |
| Germany | Umweltbundesamt, Berlin | Elke Bieber |
| Iceland | The Icelandic Meteorological Office | Thorlacius Johanna |
| Ireland | Environmental Protection Agency (EPA) | Ciaran O'Donnell |
| Latvia | Latvian Hydrometeorological Agency | Iraida Lyulko |
| Lithuania | Institute of Physics | Darius Valiulis |
| Netherlands | National Institute for Public Health and Environmental Protection (RIVM) | Arien Stolk |
| Norway | Norwegian Institute for Air Research (NILU) | Torunn Berg |
| Poland | Institute of Meteorology and Water Management | Gabriela Przybylska |
| | PL05: Institute of Environmental Protection | Anna Degorska |
| Portugal | Ministerio do Ambiente, Instituto de Meteorologia | Renato Carvalho |
| Slovakia | Slovakian Hydrometereological Institute | Marta Mitosinkova |
| Spain | Dirección General de Calidad y Evaluacíon Ambiental | Gonzalez Ortiz, Alberto |
| Sweden | Swedish Water and Air Pollution Research Institute (IVL) | Karin Sjöberg |
| United Kingdom | AEA Technology | Peter Coleman |

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# Annex 1

# Annual statistics for heavy metals in precipitation

BE0004R Knokke Belgium wet-only collector

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.24 | 0.24 | 0.24 | 197.5 | 92.5 | 12 | 12 |
| Cd | 0.66 | 0.10 | 3.47 | 545.5 | 85.7 | 0 | 11 |
| Cr | 1.30 | 0.40 | 3.30 | 1069.3 | 85.7 | 2 | 11 |
| Cu | 4.36 | 2.08 | 14.56 | 3587.1 | 85.7 | 8 | 11 |
| Hg | 26.98 | 5.00 | 80.00 | 22202.3 | 94.2 | 3 | 12 |
| Ni | 2.10 | 0.33 | 5.11 | 1725.6 | 85.7 | 1 | 11 |
| Pb | 6.38 | 2.36 | 12.64 | 5248.1 | 85.7 | 0 | 11 |
| Precip | - | 36.6 | 116.1 | 823.0 | 95.9 | 0 | 13 |
| Zn | 59.85 | 19.30 | 269.79 | 49252.8 | 85.7 | 0 | 11 |

BE0004R Knokke Belgium bulk collector

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.24 | 0.24 | 0.24 | 214.0 | 100.0 | 9 | 9 |
| Cd | 0.64 | 0.06 | 4.05 | 566.5 | 100.0 | 0 | 9 |
| Cu | 2.09 | 2.09 | 2.09 | 1863.7 | 69.6 | 0 | 7 |
| Pb | 2.88 | 1.17 | 5.34 | 2571.3 | 100.0 | 0 | 9 |
| Precip | - | 58.9 | 146.0 | 891.7 | 73.2 | 0 | 9 |
| Zn | 34.61 | 2.23 | 150.23 | 30862.8 | 100.0 | 2 | 9 |

CZ0001R Svratouch Czech Republic

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Cd | 0.18 | 0.03 | 3.32 | 164.8 | 99.5 | 0 | 45 |
| Ni | 0.82 | 0.50 | 5.46 | 736.5 | 99.5 | 0 | 45 |
| Pb | 2.56 | 0.35 | 16.21 | 2286.5 | 99.5 | 0 | 45 |
| Precip | - | 0.0 | 110.8 | 894.9 | 99.7 | 2 | 52 |

CZ0003R Kosetice Czech Republic

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Cd | 0.10 | 0.03 | 0.55 | 75.0 | 99.0 | 0 | 45 |
| Ni | 1.54 | 0.50 | 43.42 | 1191.3 | 99.0 | 0 | 45 |
| Pb | 1.62 | 0.35 | 7.57 | 1253.4 | 99.0 | 0 | 45 |
| Precip | - | 0.0 | 94.7 | 774.1 | 99.7 | 1 | 52 |

DE0001R Westerland Germany

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.15 | 0.05 | 0.65 | 119.5 | 100.0 | 0 | 43 |
| Cd | 0.04 | 0.00 | 0.19 | 30.6 | 100.0 | 0 | 43 |
| Co | 0.02 | 0.01 | 0.20 | 17.4 | 100.0 | 0 | 43 |
| Cr | 0.11 | 0.03 | 0.58 | 86.0 | 100.0 | 0 | 43 |
| Cu | 1.40 | 0.31 | 5.87 | 1098.6 | 99.8 | 0 | 42 |
| Fe | 31.31 | 5.10 | 234.40 | 24528.4 | 100.0 | 0 | 43 |
| Hg | 7.19 | 2.60 | 18.30 | 5374.7 | 100.0 | 0 | 46 |
| Mn | 1.91 | 0.33 | 19.72 | 1499.2 | 100.0 | 0 | 43 |
| Ni | 0.38 | 0.05 | 1.93 | 293.8 | 100.0 | 0 | 43 |
| Pb | 1.17 | 0.32 | 5.78 | 915.9 | 100.0 | 0 | 43 |
| Precip | - | 0.0 | 55.2 | 783.5 | 99.7 | 9 | 52 |
| V | 0.55 | 0.22 | 1.52 | 427.2 | 100.0 | 0 | 43 |
| Zn | 12.93 | 2.30 | 47.50 | 10128.0 | 100.0 | 0 | 43 |

DE0002R Langenbrugge Germany bulk collector

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.15 | 0.02 | 1.16 | 126.6 | 99.4 | 0 | 159 |
| Cd | 0.13 | 0.00 | 0.93 | 109.1 | 99.3 | 0 | 158 |
| Co | 0.04 | 0.00 | 0.54 | 31.2 | 99.4 | 0 | 159 |
| Cr | 0.20 | 0.02 | 1.36 | 174.9 | 99.4 | 0 | 159 |
| Cu | 2.49 | 0.19 | 20.13 | 2136.6 | 99.4 | 0 | 158 |
| Fe | 42.30 | 4.40 | 483.90 | 36289.1 | 99.4 | 0 | 159 |
| Mn | 3.42 | 0.23 | 30.88 | 2937.1 | 99.3 | 0 | 158 |
| Ni | 0.56 | 0.09 | 5.25 | 475.8 | 99.4 | 0 | 159 |
| Pb | 1.43 | 0.37 | 6.77 | 1230.4 | 99.4 | 0 | 158 |
| Precip | - | 0.0 | 69.3 | 857.9 | 100.0 | 170 | 365 |
| V | 0.44 | 0.09 | 2.34 | 380.5 | 99.4 | 0 | 158 |

DE0002R Langenbrugge Germany wet only collector

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.13 | 0.05 | 0.53 | 117.3 | 95.0 | 0 | 41 |
| Cd | 0.04 | 0.02 | 0.11 | 36.8 | 95.0 | 0 | 41 |
| Co | 0.03 | 0.01 | 0.24 | 25.7 | 95.0 | 0 | 41 |
| Cr | 0.22 | 0.08 | 0.58 | 196.7 | 92.8 | 0 | 39 |
| Cu | 1.36 | 0.46 | 4.36 | 1239.9 | 93.2 | 0 | 40 |
| Fe | 29.62 | 7.00 | 241.00 | 26978.6 | 95.0 | 0 | 41 |
| Hg | 8.44 | 3.70 | 37.70 | 7513.5 | 99.7 | 0 | 46 |
| Mn | 2.31 | 0.63 | 19.85 | 2106.2 | 95.0 | 0 | 41 |
| Ni | 0.40 | 0.04 | 1.00 | 366.7 | 90.2 | 0 | 38 |
| Pb | 1.39 | 0.40 | 3.44 | 1265.8 | 95.0 | 0 | 41 |
| Precip | - | 0.0 | 111.2 | 910.9 | 99.7 | 4 | 52 |
| V | 0.37 | 0.13 | 1.18 | 339.8 | 95.0 | 0 | 41 |
| Zn | 16.67 | 3.30 | 34.70 | 15186.4 | 95.0 | 0 | 41 |

DE0004R Deuselbach Germany

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.08 | 0.02 | 0.54 | 72.4 | 98.7 | 0 | 43 |
| Cd | 0.06 | 0.02 | 0.26 | 50.4 | 98.7 | 0 | 43 |
| Co | 0.03 | 0.01 | 0.27 | 25.3 | 98.7 | 0 | 43 |
| Cr | 0.17 | 0.08 | 0.56 | 146.9 | 98.7 | 0 | 43 |
| Cu | 2.02 | 0.52 | 6.31 | 1744.7 | 98.7 | 0 | 43 |
| Mn | 3.04 | 0.51 | 25.23 | 2622.9 | 98.7 | 0 | 43 |
| Ni | 0.49 | 0.15 | 2.05 | 422.2 | 98.7 | 0 | 43 |
| Pb | 1.67 | 0.26 | 6.89 | 1437.4 | 98.7 | 0 | 43 |
| Precip | - | 0.0 | 65.6 | 862.1 | 99.7 | 2 | 52 |
| V | 0.33 | 0.11 | 1.64 | 287.4 | 98.7 | 0 | 43 |
| Zn | 10.86 | 3.40 | 80.20 | 9359.8 | 98.7 | 0 | 43 |

DE0009R Zingst Germany

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.14 | 0.03 | 0.82 | 92.9 | 98.0 | 0 | 41 |
| Cd | 0.04 | 0.01 | 0.38 | 27.8 | 98.0 | 0 | 41 |
| Co | 0.03 | 0.01 | 0.16 | 20.2 | 98.0 | 0 | 41 |
| Cr | 0.11 | 0.02 | 0.90 | 77.9 | 98.0 | 0 | 41 |
| Cu | 2.77 | 0.43 | 26.72 | 1896.4 | 91.0 | 0 | 39 |
| Fe | 27.41 | 5.40 | 152.10 | 18735.4 | 98.0 | 0 | 41 |
| Hg | 8.68 | 3.30 | 40.20 | 5568.9 | 100.0 | 0 | 45 |
| Mn | 2.36 | 0.51 | 18.35 | 1612.2 | 98.0 | 0 | 41 |
| Ni | 0.30 | 0.06 | 1.27 | 204.8 | 98.0 | 0 | 41 |
| Pb | 1.20 | 0.23 | 11.04 | 819.0 | 98.0 | 0 | 41 |
| Precip | - | 0.0 | 55.2 | 683.6 | 99.7 | 9 | 52 |
| V | 0.45 | 0.16 | 2.18 | 304.4 | 98.0 | 0 | 41 |
| Zn | 11.48 | 2.70 | 69.80 | 7848.3 | 98.0 | 0 | 41 |

DK0008R Anholt Denmark

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.27 | 0.08 | 0.58 | 190.8 | 100.0 | 0 | 12 |
| Cd | 0.05 | 0.01 | 0.17 | 37.2 | 100.0 | 0 | 12 |
| Cr | 0.20 | 0.10 | 0.75 | 142.9 | 100.0 | 0 | 12 |
| Cu | 0.97 | 0.46 | 4.66 | 698.3 | 100.0 | 0 | 12 |
| Fe | 47.17 | 19.79 | 240.93 | 33868.2 | 100.0 | 0 | 12 |
| Ni | 0.27 | 0.15 | 0.82 | 192.4 | 100.0 | 0 | 12 |
| Pb | 1.57 | 0.60 | 8.40 | 1125.8 | 100.0 | 0 | 12 |
| Precip | - | 12.5 | 102.7 | 718.0 | 99.7 | 0 | 12 |
| Zn | 7.92 | 4.29 | 25.25 | 5683.1 | 100.0 | 0 | 12 |

DK0020R Pedersker, Bornholm Denmark

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.18 | 0.07 | 0.54 | 102.7 | 100.0 | 0 | 12 |
| Cd | 0.06 | 0.03 | 0.14 | 34.1 | 100.0 | 0 | 12 |
| Cr | 0.19 | 0.06 | 0.46 | 107.9 | 100.0 | 0 | 12 |
| Cu | 0.99 | 0.38 | 3.69 | 562.2 | 100.0 | 0 | 12 |
| Fe | 75.58 | 14.16 | 227.34 | 43020.3 | 100.0 | 0 | 12 |
| Ni | 0.28 | 0.12 | 0.75 | 159.5 | 100.0 | 0 | 12 |
| Pb | 1.50 | 0.52 | 4.90 | 853.5 | 100.0 | 0 | 12 |
| Precip | - | 20.8 | 90.5 | 569.2 | 91.9 | 0 | 12 |
| Zn | 14.96 | 6.96 | 30.59 | 8513.2 | 100.0 | 0 | 12 |

DK0031R Ulborg Denmark

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.11 | 0.06 | 0.27 | 117.0 | 100.0 | 0 | 12 |
| Cd | 0.03 | 0.02 | 0.20 | 35.0 | 100.0 | 0 | 12 |
| Cr | 0.15 | 0.06 | 0.35 | 155.9 | 100.0 | 0 | 12 |
| Cu | 0.71 | 0.32 | 3.08 | 730.0 | 100.0 | 0 | 12 |
| Fe | 30.51 | 9.02 | 123.80 | 31562.6 | 100.0 | 0 | 12 |
| Ni | 0.24 | 0.11 | 0.34 | 253.2 | 100.0 | 0 | 12 |
| Pb | 0.79 | 0.55 | 1.68 | 817.5 | 100.0 | 0 | 12 |
| Precip | - | 28.3 | 148.0 | 1034.4 | 99.7 | 0 | 12 |
| Zn | 7.33 | 2.07 | 18.54 | 7581.9 | 100.0 | 0 | 12 |

EE0009R Lahemaa Estonia

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.19 | 0.10 | 0.70 | 108.7 | 100.0 | 6 | 12 |
| Cd | 0.10 | 0.01 | 0.30 | 55.9 | 100.0 | 1 | 12 |
| Cu | 3.96 | 0.05 | 15.00 | 2215.2 | 100.0 | 2 | 12 |
| Pb | 0.45 | 0.05 | 4.10 | 250.4 | 100.0 | 7 | 12 |
| Precip | - | 8.9 | 106.4 | 559.3 | 100.0 | 0 | 12 |
| Zn | 6.63 | 5.00 | 13.00 | 3706.0 | 100.0 | 9 | 12 |

EE0011R Vilsandi Estonia

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.10 | 0.10 | 0.10 | 43.3 | 71.6 | 6 | 6 |
| Cd | 0.06 | 0.01 | 0.13 | 26.7 | 71.6 | 1 | 6 |
| Cu | 12.13 | 2.80 | 20.60 | 5245.9 | 71.6 | 0 | 6 |
| Pb | 0.70 | 0.50 | 1.90 | 304.9 | 71.6 | 5 | 6 |
| Precip | - | 10.6 | 79.1 | 432.6 | 100.0 | 1 | 12 |
| Zn | 5.00 | 5.00 | 5.00 | 2163.0 | 68.9 | 5 | 5 |

FI0008R Kevo Finland

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.07 | 0.00 | 0.42 | 22.1 | 99.9 | 1 | 11 |
| Cd | 0.01 | 0.00 | 0.06 | 4.2 | 99.9 | 0 | 11 |
| Cr | 0.10 | 0.03 | 0.34 | 32.8 | 99.9 | 0 | 11 |
| Cu | 0.67 | 0.38 | 1.53 | 218.2 | 99.9 | 0 | 11 |
| Fe | 10.64 | 3.81 | 26.36 | 3492.4 | 99.9 | 0 | 11 |
| Mn | 1.31 | 0.12 | 5.63 | 430.8 | 99.9 | 0 | 11 |
| Ni | 0.23 | 0.05 | 1.80 | 74.2 | 99.9 | 0 | 11 |
| Pb | 0.39 | 0.16 | 1.66 | 128.4 | 99.9 | 0 | 11 |
| Precip | - | 0.3 | 147.2 | 328.1 | 100.0 | 0 | 12 |
| V | 0.10 | 0.05 | 0.27 | 34.6 | 99.9 | 0 | 11 |
| Zn | 2.43 | 0.50 | 17.49 | 796.6 | 99.9 | 0 | 11 |

FI0009R Uto Finland

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.25 | 0.01 | 1.07 | 67.8 | 100.0 | 0 | 12 |
| Cd | 0.09 | 0.03 | 0.35 | 24.6 | 100.0 | 0 | 12 |
| Cr | 0.32 | 0.08 | 0.64 | 85.4 | 100.0 | 0 | 12 |
| Cu | 1.50 | 0.57 | 6.93 | 403.5 | 100.0 | 0 | 12 |
| Fe | 57.12 | 16.73 | 219.40 | 15364.8 | 100.0 | 0 | 12 |
| Mn | 4.49 | 0.69 | 18.55 | 1209.0 | 100.0 | 0 | 12 |
| Ni | 0.44 | 0.07 | 1.71 | 119.3 | 100.0 | 0 | 12 |
| Pb | 2.24 | 1.06 | 9.71 | 603.0 | 100.0 | 0 | 12 |
| Precip | - | 1.9 | 89.4 | 269.0 | 100.0 | 0 | 12 |
| V | 0.84 | 0.34 | 4.89 | 225.3 | 100.0 | 0 | 12 |
| Zn | 7.60 | 4.05 | 39.40 | 2043.4 | 100.0 | 0 | 12 |

FI0017R Virolahti II Finland

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.13 | 0.00 | 0.69 | 52.3 | 100.0 | 2 | 12 |
| Cd | 0.07 | 0.02 | 0.17 | 27.1 | 100.0 | 0 | 12 |
| Cr | 0.23 | 0.11 | 1.49 | 95.1 | 100.0 | 0 | 12 |
| Cu | 1.15 | 0.61 | 5.76 | 472.2 | 100.0 | 0 | 12 |
| Fe | 54.56 | 14.06 | 367.69 | 22480.1 | 100.0 | 0 | 12 |
| Mn | 4.14 | 1.03 | 20.46 | 1704.3 | 100.0 | 0 | 12 |
| Ni | 0.40 | 0.01 | 2.06 | 164.6 | 100.0 | 2 | 12 |
| Pb | 1.61 | 0.46 | 4.75 | 663.2 | 100.0 | 0 | 12 |
| Precip | - | 1.7 | 95.4 | 412.0 | 100.0 | 0 | 12 |
| V | 0.67 | 0.23 | 2.20 | 274.8 | 100.0 | 0 | 12 |
| Zn | 6.28 | 2.60 | 24.45 | 2585.1 | 100.0 | 0 | 12 |

FI0022R Oulanka Finland

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.10 | 0.00 | 0.41 | 39.3 | 100.0 | 1 | 11 |
| Cd | 0.02 | 0.00 | 0.05 | 8.3 | 100.0 | 0 | 11 |
| Cr | 0.20 | 0.01 | 0.57 | 78.9 | 100.0 | 1 | 11 |
| Cu | 1.16 | 0.32 | 3.49 | 447.8 | 100.0 | 0 | 11 |
| Fe | 13.18 | 6.67 | 28.37 | 5103.6 | 100.0 | 0 | 11 |
| Mn | 1.47 | 0.21 | 2.38 | 568.1 | 100.0 | 0 | 11 |
| Ni | 0.15 | 0.01 | 1.39 | 59.3 | 100.0 | 4 | 11 |
| Pb | 0.46 | 0.15 | 1.55 | 177.9 | 100.0 | 0 | 11 |
| Precip | - | 0.0 | 62.6 | 387.2 | 100.0 | 1 | 12 |
| V | 0.21 | 0.09 | 0.46 | 81.8 | 100.0 | 0 | 11 |
| Zn | 2.02 | 0.48 | 5.27 | 783.6 | 100.0 | 0 | 11 |

FI0036R Matorova Finland

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.06 | 0.00 | 0.47 | 18.2 | 100.0 | 4 | 12 |
| Cd | 0.02 | 0.00 | 0.16 | 7.8 | 100.0 | 0 | 12 |
| Cr | 0.11 | 0.04 | 0.43 | 36.6 | 100.0 | 0 | 12 |
| Cu | 0.94 | 0.27 | 16.85 | 313.3 | 100.0 | 0 | 12 |
| Fe | 13.50 | 7.72 | 67.07 | 4486.4 | 100.0 | 0 | 12 |
| Mn | 1.79 | 0.13 | 5.96 | 595.4 | 100.0 | 0 | 12 |
| Ni | 0.19 | 0.01 | 1.83 | 64.4 | 100.0 | 5 | 12 |
| Pb | 0.71 | 0.09 | 4.73 | 235.4 | 100.0 | 0 | 12 |
| Precip | - | 4.8 | 58.4 | 332.3 | 99.2 | 0 | 12 |
| V | 0.16 | 0.04 | 1.10 | 52.4 | 100.0 | 0 | 12 |
| Zn | 2.76 | 0.85 | 21.73 | 916.7 | 100.0 | 0 | 12 |

FI0053R Hailuoto Finland

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.04 | 0.00 | 0.25 | 12.9 | 100.0 | 4 | 12 |
| Cd | 0.03 | 0.01 | 0.15 | 8.2 | 100.0 | 0 | 12 |
| Cr | 0.23 | 0.05 | 0.43 | 70.6 | 100.0 | 0 | 12 |
| Cu | 1.03 | 0.21 | 3.14 | 320.8 | 100.0 | 0 | 12 |
| Fe | 30.91 | 13.44 | 160.63 | 9607.0 | 100.0 | 0 | 12 |
| Mn | 2.92 | 1.18 | 21.93 | 909.0 | 100.0 | 0 | 12 |
| Ni | 0.17 | 0.01 | 0.78 | 51.2 | 98.0 | 3 | 11 |
| Pb | 0.83 | 0.35 | 4.26 | 257.9 | 100.0 | 0 | 12 |
| Precip | - | 6.3 | 88.8 | 310.8 | 100.0 | 0 | 12 |

FI0092R Hietajarvi Finland

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.02 | 0.00 | 0.07 | 11.5 | 100.0 | 5 | 12 |
| Cd | 0.03 | 0.01 | 0.21 | 14.5 | 100.0 | 0 | 12 |
| Cr | 0.16 | 0.07 | 0.37 | 74.9 | 100.0 | 0 | 12 |
| Cu | 0.62 | 0.35 | 2.94 | 292.9 | 100.0 | 0 | 12 |
| Fe | 17.33 | 7.75 | 88.52 | 8242.3 | 100.0 | 0 | 12 |
| Mn | 1.89 | 0.25 | 9.99 | 898.5 | 100.0 | 0 | 12 |
| Ni | 0.12 | 0.01 | 0.65 | 55.5 | 100.0 | 5 | 12 |
| Pb | 0.59 | 0.23 | 4.48 | 279.2 | 100.0 | 0 | 12 |
| Precip | - | 9.3 | 79.6 | 475.5 | 100.0 | 0 | 12 |
| V | 0.26 | 0.15 | 0.94 | 122.8 | 100.0 | 0 | 12 |
| Zn | 2.18 | 0.96 | 9.90 | 1038.0 | 100.0 | 0 | 12 |

FI0093R Kotinen Finland

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.04 | 0.00 | 0.14 | 22.3 | 100.0 | 3 | 11 |
| Cd | 0.03 | 0.01 | 0.06 | 16.0 | 100.0 | 0 | 11 |
| Cr | 0.11 | 0.02 | 0.58 | 55.8 | 100.0 | 0 | 11 |
| Cu | 0.60 | 0.29 | 1.87 | 310.2 | 100.0 | 0 | 11 |
| Fe | 20.52 | 7.93 | 59.25 | 10564.1 | 100.0 | 0 | 11 |
| Mn | 2.33 | 0.75 | 5.11 | 1200.9 | 95.9 | 0 | 10 |
| Ni | 0.13 | 0.01 | 1.70 | 65.2 | 100.0 | 3 | 11 |
| Pb | 0.78 | 0.25 | 1.66 | 401.9 | 100.0 | 0 | 11 |
| Precip | - | 0.0 | 80.7 | 514.8 | 100.0 | 1 | 12 |
| V | 0.34 | 0.22 | 0.86 | 175.9 | 100.0 | 0 | 11 |
| Zn | 3.14 | 1.75 | 7.78 | 1617.9 | 100.0 | 0 | 11 |

FI0096R Pallas Finland

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Hg | 4.70 | 1.60 | 6.10 | 1555.3 | 100.0 | 0 | 12 |
| Precip | - | 11.0 | 98.2 | 331.0 | 96.7 | 0 | 12 |

FR0090R Porspoder France

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.43 | 0.01 | 0.80 | 417.8 | 100.0 | 0 | 12 |
| Cd | 0.03 | 0.01 | 0.06 | 28.0 | 100.0 | 0 | 12 |
| Cr | 0.15 | 0.05 | 0.38 | 148.6 | 100.0 | 0 | 12 |
| Cu | 0.68 | 0.44 | 1.80 | 658.2 | 100.0 | 0 | 12 |
| Ni | 0.42 | 0.20 | 0.76 | 404.4 | 100.0 | 0 | 12 |
| Pb | 1.01 | 0.53 | 2.50 | 978.5 | 100.0 | 0 | 12 |
| Precip | - | 13.0 | 140.0 | 964.0 | 100.0 | 0 | 12 |
| Zn | 2.82 | 1.15 | 12.00 | 2716.9 | 100.0 | 0 | 12 |

GB0014R High Muffles United Kingdom

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.26 | 0.08 | 0.45 | 232.1 | 100.0 | 6 | 12 |
| Cd | 0.09 | 0.03 | 0.15 | 80.0 | 100.0 | 6 | 12 |
| Cr | 0.34 | 0.05 | 2.80 | 295.1 | 100.0 | 0 | 12 |
| Cu | 1.53 | 0.31 | 11.00 | 1347.3 | 100.0 | 0 | 12 |
| Ni | 0.28 | 0.14 | 0.48 | 248.1 | 100.0 | 0 | 12 |
| Precip | - | 19.7 | 127.9 | 881.3 | 99.7 | 0 | 12 |
| Zn | 11.21 | 2.10 | 38.00 | 9881.6 | 100.0 | 0 | 12 |

GB0090R East Ruston United Kingdom

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.27 | 0.04 | 0.45 | 178.7 | 96.5 | 6 | 11 |
| Cd | 0.12 | 0.03 | 0.26 | 80.4 | 100.0 | 6 | 12 |
| Cr | 0.11 | 0.04 | 0.33 | 71.0 | 100.0 | 0 | 12 |
| Cu | 1.25 | 0.48 | 4.80 | 830.0 | 100.0 | 0 | 12 |
| Ni | 0.52 | 0.24 | 1.80 | 345.5 | 100.0 | 0 | 12 |
| Pb | 1.47 | 0.67 | 2.90 | 973.1 | 100.0 | 0 | 12 |
| Precip | - | 21.0 | 124.3 | 662.7 | 98.1 | 0 | 12 |
| Zn | 17.98 | 3.30 | 39.00 | 11913.5 | 100.0 | 0 | 12 |

GB0091R Banchory United Kingdom

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.23 | 0.04 | 0.45 | 222.4 | 100.0 | 6 | 11 |
| Cd | 0.16 | 0.02 | 1.00 | 157.9 | 100.0 | 2 | 11 |
| Cr | 0.07 | 0.03 | 0.18 | 64.2 | 100.0 | 0 | 11 |
| Cu | 0.64 | 0.10 | 1.50 | 633.2 | 100.0 | 0 | 11 |
| Ni | 0.21 | 0.08 | 0.41 | 206.1 | 100.0 | 0 | 11 |
| Pb | 1.09 | 0.20 | 2.00 | 1071.3 | 100.0 | 0 | 11 |
| Precip | - | 0.2 | 293.0 | 984.2 | 98.4 | 0 | 11 |
| Zn | 10.89 | 1.30 | 48.00 | 10722.0 | 100.0 | 0 | 11 |

IE0001R Valentia Obs. Ireland

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Al | 18.06 | 5.00 | 25.00 | 34658.0 | 100.0 | 6 | 12 |
| As | 0.50 | 0.50 | 0.50 | 959.5 | 100.0 | 12 | 12 |
| Cd | 0.05 | 0.05 | 0.05 | 96.0 | 100.0 | 12 | 12 |
| Cr | 0.50 | 0.50 | 0.50 | 959.5 | 100.0 | 12 | 12 |
| Cu | 0.66 | 0.50 | 3.00 | 1262.5 | 100.0 | 11 | 12 |
| Hg | 50.00 | 50.00 | 50.00 | 95950.0 | 100.0 | 12 | 12 |
| Mn | 8.86 | 0.50 | 28.00 | 16997.1 | 100.0 | 1 | 12 |
| Ni | 0.50 | 0.50 | 0.50 | 959.5 | 100.0 | 12 | 12 |
| Pb | 0.69 | 0.50 | 2.00 | 1315.2 | 100.0 | 11 | 12 |
| Precip | - | 67.4 | 286.7 | 1919.0 | 100.0 | 0 | 12 |
| V | 0.50 | 0.50 | 0.50 | 959.5 | 100.0 | 12 | 12 |
| Zn | 43.05 | 21.00 | 79.00 | 82606.3 | 100.0 | 0 | 12 |

IE0002R Turlough Hill Ireland

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Al | 36.86 | 10.00 | 97.00 | 83924.2 | 100.0 | 2 | 12 |
| As | 0.50 | 0.50 | 0.50 | 1138.5 | 100.0 | 12 | 12 |
| Cd | 0.05 | 0.05 | 0.05 | 113.8 | 100.0 | 12 | 12 |
| Cr | 0.93 | 0.50 | 20.00 | 2110.1 | 100.0 | 10 | 12 |
| Cu | 2.10 | 0.50 | 7.00 | 4784.9 | 100.0 | 5 | 12 |
| Mn | 2.32 | 0.50 | 13.00 | 5290.1 | 100.0 | 1 | 12 |
| Ni | 0.50 | 0.50 | 0.50 | 1138.5 | 100.0 | 12 | 12 |
| Pb | 0.79 | 0.50 | 2.00 | 1797.9 | 100.0 | 9 | 12 |
| Precip | - | 26.6 | 406.5 | 2277.0 | 100.0 | 0 | 12 |
| V | 0.50 | 0.50 | 0.50 | 1138.5 | 100.0 | 12 | 12 |
| Zn | 7.82 | 3.00 | 126.00 | 17794.1 | 100.0 | 0 | 12 |

IS0090R Reykjavik Iceland

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Al | 312.37 | 13.80 | 6786.00 | 320132.0 | 100.0 | 0 | 51 |
| As | 0.16 | 0.03 | 2.10 | 164.7 | 100.0 | 22 | 51 |
| Cd | 0.01 | 0.01 | 0.10 | 9.6 | 100.0 | 32 | 51 |
| Cr | 0.77 | 0.05 | 5.30 | 783.9 | 100.0 | 13 | 51 |
| Cu | 2.02 | 0.46 | 53.47 | 2074.9 | 100.0 | 0 | 51 |
| Fe | 329.25 | 5.00 | 14920.00 | 337426.4 | 100.0 | 11 | 51 |
| Mn | 5.66 | 0.05 | 106.00 | 5795.6 | 100.0 | 5 | 51 |
| Ni | 1.15 | 0.05 | 27.44 | 1178.6 | 100.0 | 10 | 51 |
| Pb | 0.61 | 0.05 | 3.55 | 630.0 | 100.0 | 0 | 51 |
| Precip | - | 0.0 | 85.8 | 1024.8 | 98.6 | 7 | 58 |
| V | 2.07 | 0.20 | 14.25 | 2119.5 | 100.0 | 0 | 51 |
| Zn | 5.55 | 0.70 | 170.00 | 5686.7 | 100.0 | 0 | 51 |

IS0091R Storhofdi Iceland

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Al | 219.75 | 5.00 | 18450.00 | 342017.7 | 100.0 | 6 | 51 |
| Cd | 0.01 | 0.01 | 0.21 | 23.0 | 100.0 | 24 | 51 |
| Cr | 0.75 | 0.05 | 14.60 | 1171.2 | 100.0 | 9 | 51 |
| Cu | 1.90 | 0.16 | 29.18 | 2951.8 | 100.0 | 0 | 51 |
| Fe | 437.45 | 28.80 | 28890.00 | 680852.9 | 100.0 | 11 | 51 |
| Mn | 6.13 | 0.05 | 465.40 | 9548.2 | 100.0 | 4 | 51 |
| Ni | 0.96 | 0.05 | 11.67 | 1501.7 | 100.0 | 15 | 51 |
| Pb | 0.40 | 0.03 | 4.63 | 620.3 | 100.0 | 0 | 51 |
| Precip | - | 0.0 | 93.2 | 1556.4 | 96.4 | 5 | 57 |
| Zn | 9.09 | 1.10 | 47.40 | 14146.4 | 100.0 | 0 | 51 |

LT0015R Preila Lithuania

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Cd | 0.51 | 0.00 | 2.71 | 381.6 | 93.0 | 0 | 45 |
| Cu | 1.66 | 0.00 | 12.10 | 1244.2 | 99.2 | 0 | 47 |
| Pb | 3.43 | 0.00 | 37.50 | 2573.3 | 93.6 | 0 | 45 |
| Precip | - | 0.0 | 51.3 | 750.4 | 99.2 | 8 | 52 |
| Zn | 54.03 | 0.00 | 351.00 | 40541.2 | 99.4 | 0 | 47 |

LV0010R Rucava Latvia

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.49 | 0.13 | 1.36 | 264.5 | 100.0 | 2 | 9 |
| Cd | 0.09 | 0.02 | 0.22 | 48.7 | 100.0 | 1 | 9 |
| Cu | 2.00 | 0.40 | 5.60 | 1079.3 | 100.0 | 1 | 9 |
| Mn | 3.73 | 1.30 | 6.95 | 2016.9 | 100.0 | 4 | 9 |
| Ni | 11.31 | 0.07 | 68.84 | 6110.7 | 100.0 | 4 | 9 |
| Pb | 1.25 | 0.08 | 4.20 | 675.9 | 100.0 | 2 | 9 |
| Precip | - | 0.0 | 110.0 | 540.5 | 83.0 | 1 | 10 |
| Zn | 31.78 | 10.70 | 67.50 | 17178.8 | 100.0 | 2 | 9 |

LV0016R Zoseni Latvia

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.49 | 0.06 | 2.01 | 243.2 | 100.0 | 2 | 10 |
| Cd | 0.12 | 0.03 | 0.92 | 57.3 | 100.0 | 0 | 10 |
| Cu | 3.91 | 0.80 | 10.20 | 1945.4 | 100.0 | 0 | 10 |
| Mn | 5.95 | 2.94 | 49.90 | 2958.7 | 100.0 | 4 | 10 |
| Ni | 1.09 | 0.17 | 3.22 | 543.4 | 100.0 | 5 | 10 |
| Pb | 0.99 | 0.07 | 2.60 | 492.4 | 100.0 | 2 | 10 |
| Precip | - | 4.4 | 90.0 | 497.5 | 83.0 | 0 | 10 |
| Zn | 20.88 | 5.10 | 89.64 | 10387.9 | 100.0 | 3 | 10 |

NL0009R Kollumerwaard Netherlands

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.21 | 0.07 | 0.70 | 208.4 | 72.4 | 1 | 10 |
| Cd | 0.05 | 0.02 | 0.09 | 53.2 | 69.5 | 1 | 9 |
| Cr | 0.28 | 0.26 | 0.53 | 269.4 | 72.4 | 9 | 10 |
| Cu | 1.50 | 1.05 | 2.47 | 1472.1 | 72.4 | 0 | 10 |
| Ni | 0.20 | 0.20 | 0.20 | 201.1 | 72.4 | 10 | 10 |
| Pb | 1.28 | 0.61 | 1.75 | 1258.9 | 72.4 | 0 | 10 |
| Precip | - | 14.3 | 134.3 | 981.2 | 96.2 | 0 | 13 |
| Zn | 6.04 | 5.30 | 8.60 | 5922.9 | 69.5 | 0 | 9 |

NL0091R De Zilk Netherlands

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.09 | 0.07 | 0.18 | 80.3 | 100.0 | 10 | 13 |
| Cd | 0.05 | 0.02 | 0.11 | 43.2 | 100.0 | 2 | 13 |
| Cr | 0.26 | 0.26 | 0.26 | 221.8 | 100.0 | 13 | 13 |
| Cu | 1.60 | 0.79 | 3.04 | 1362.9 | 100.0 | 0 | 13 |
| Hg | 9.32 | 4.00 | 28.00 | 7405.2 | 99.7 | 0 | 45 |
| Ni | 0.26 | 0.20 | 0.65 | 223.6 | 95.6 | 9 | 12 |
| Pb | 3.06 | 1.81 | 5.66 | 2611.7 | 100.0 | 0 | 13 |
| Precip | - | 23.1 | 117.0 | 853.1 | 100.0 | 3 | 53 |
| Zn | 6.23 | 1.95 | 17.40 | 5314.6 | 95.6 | 1 | 12 |

NO0001R Birkenes Norway

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Cd | 0.03 | 0.00 | 0.31 | 49.1 | 100.0 | 6 | 55 |
| Pb | 0.99 | 0.18 | 9.16 | 1429.3 | 100.0 | 0 | 55 |
| Precip | - | 0.0 | 189.1 | 1450.0 | 100.0 | 6 | 62 |
| Zn | 3.60 | 0.30 | 68.39 | 5225.3 | 100.0 | 0 | 55 |

NO0039R Kaarvatn Norway

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Cd | 0.02 | 0.00 | 0.10 | 21.7 | 100.0 | 14 | 53 |
| Pb | 0.32 | 0.07 | 2.74 | 383.2 | 100.0 | 0 | 53 |
| Precip | - | 0.0 | 107.0 | 1188.8 | 100.0 | 5 | 62 |
| Zn | 1.93 | 0.05 | 20.64 | 2290.2 | 100.0 | 4 | 53 |

NO0041R Osen Norway

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Cd | 0.03 | 0.00 | 0.41 | 20.6 | 100.0 | 9 | 53 |
| Pb | 0.87 | 0.14 | 5.75 | 630.3 | 100.0 | 0 | 53 |
| Precip | - | 0.0 | 55.8 | 721.7 | 100.0 | 7 | 62 |
| Zn | 4.28 | 0.58 | 81.51 | 3089.0 | 100.0 | 0 | 53 |

NO0047R Svanvik Norway

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 1.25 | 0.05 | 6.16 | 459.9 | 97.7 | 6 | 45 |
| Cd | 0.05 | 0.00 | 0.51 | 19.7 | 97.7 | 4 | 45 |
| Co | 0.32 | 0.01 | 4.68 | 115.7 | 97.7 | 8 | 45 |
| Cr | 0.21 | 0.10 | 3.77 | 76.2 | 97.7 | 27 | 45 |
| Cu | 12.00 | 0.27 | 150.50 | 4398.0 | 97.7 | 0 | 45 |
| Ni | 11.10 | 0.10 | 140.40 | 4067.6 | 97.7 | 4 | 45 |
| Pb | 2.64 | 0.26 | 24.96 | 967.1 | 97.7 | 0 | 45 |
| Precip | - | 0.0 | 34.3 | 366.5 | 96.2 | 12 | 59 |
| Zn | 7.03 | 0.90 | 47.88 | 2576.9 | 97.7 | 0 | 45 |

NO0055R Karasjok Norway

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Cd | 0.03 | 0.00 | 0.28 | 11.9 | 99.7 | 12 | 50 |
| Pb | 0.57 | 0.12 | 7.19 | 205.1 | 99.7 | 0 | 50 |
| Precip | - | 0.0 | 40.0 | 356.6 | 100.0 | 9 | 62 |
| Zn | 6.40 | 0.34 | 67.11 | 2282.5 | 99.7 | 0 | 50 |

NO0056R Hurdal Norway

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Cd | 0.03 | 0.00 | 0.18 | 21.9 | 95.4 | 10 | 47 |
| Pb | 0.70 | 0.09 | 6.39 | 579.6 | 95.4 | 0 | 47 |
| Precip | - | 0.0 | 92.0 | 831.0 | 100.0 | 9 | 62 |
| Zn | 4.06 | 0.56 | 117.80 | 3373.5 | 95.4 | 0 | 47 |

NO0099R Lista Norway

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.29 | 0.05 | 3.05 | 283.0 | 100.0 | 3 | 53 |
| Cd | 0.03 | 0.00 | 0.52 | 33.0 | 100.0 | 8 | 53 |
| Co | 0.02 | 0.01 | 0.51 | 22.4 | 100.0 | 17 | 53 |
| Cr | 0.16 | 0.10 | 3.71 | 155.0 | 100.0 | 32 | 53 |
| Cu | 1.30 | 0.24 | 23.06 | 1284.8 | 100.0 | 0 | 53 |
| Hg | 12.81 | 4.30 | 25.50 | 13629.8 | 100.0 | 0 | 10 |
| Ni | 0.29 | 0.10 | 20.87 | 290.1 | 100.0 | 20 | 53 |
| Pb | 2.15 | 0.52 | 39.45 | 2113.1 | 100.0 | 0 | 53 |
| Precip | - | 20.2 | 200.2 | 1064.1 | 100.0 | 6 | 62 |
| V | 1.91 | 0.46 | 13.96 | 1877.0 | 100.0 | 0 | 53 |
| Zn | 6.83 | 1.15 | 104.90 | 6732.1 | 100.0 | 0 | 53 |

PL0004R Leba Poland

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Cd | 0.05 | 0.02 | 0.11 | 38.1 | 100.0 | 0 | 12 |
| Cr | 0.14 | 0.05 | 0.30 | 102.8 | 100.0 | 0 | 12 |
| Cu | 0.99 | 0.41 | 2.55 | 740.1 | 100.0 | 0 | 12 |
| Ni | 0.19 | 0.11 | 0.49 | 140.2 | 100.0 | 0 | 12 |
| Pb | 0.96 | 0.39 | 3.66 | 713.6 | 100.0 | 0 | 12 |
| Precip | - | 19.6 | 168.0 | 746.0 | 100.0 | 0 | 12 |
| Zn | 4.42 | 2.12 | 13.43 | 3293.5 | 100.0 | 0 | 12 |

PL0005R Diabla Gora Poland

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Cd | 0.39 | 0.10 | 7.90 | 240.8 | 97.0 | 55 | 114 |
| Cr | 0.20 | 0.15 | 2.70 | 127.7 | 96.9 | 92 | 112 |
| Cu | 1.18 | 0.15 | 21.80 | 737.2 | 96.9 | 5 | 112 |
| Ni | 0.35 | 0.15 | 4.70 | 216.3 | 96.9 | 70 | 112 |
| Pb | 2.09 | 1.00 | 11.00 | 1306.4 | 96.9 | 73 | 113 |
| Precip | - | 0.0 | 25.3 | 625.6 | 100.0 | 211 | 365 |
| Zn | 12.77 | 1.00 | 149.00 | 7988.6 | 97.0 | 0 | 116 |

PT0001R Braganca Portugal

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Cd | 0.48 | 0.09 | 1.49 | 486.7 | 77.3 | 43 | 46 |
| Cu | 1.33 | 0.33 | 8.28 | 1347.0 | 77.3 | 16 | 46 |
| Mn | 2.27 | 1.07 | 25.54 | 2303.9 | 77.3 | 40 | 46 |
| Ni | 0.87 | 0.78 | 2.69 | 882.3 | 77.3 | 42 | 46 |
| Pb | 0.65 | 0.65 | 0.65 | 654.6 | 77.3 | 46 | 46 |
| Precip off | - | 0.00 | 54.70 | 1014.9 | 100.0 | 227 | 365 |
| Zn | 56.23 | 1.00 | 587.00 | 57073.2 | 77.3 | 0 | 46 |

PT0003R V. Do Castelo Portugal

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Cd | 0.42 | 0.42 | 0.42 | 735.1 | 81.9 | 84 | 84 |
| Cu | 1.47 | 0.33 | 32.74 | 2543.6 | 81.9 | 21 | 84 |
| Mn | 1.65 | 1.07 | 21.95 | 2852.5 | 81.9 | 75 | 84 |
| Ni | 0.91 | 0.57 | 3.30 | 1567.6 | 81.9 | 75 | 84 |
| Pb | 0.65 | 0.65 | 0.65 | 1115.6 | 81.9 | 84 | 84 |
| Precip off | - | 0.00 | 188.00 | 1729.6 | 100.0 | 194 | 365 |
| Zn | 15.26 | 1.00 | 74.00 | 26385.8 | 81.9 | 0 | 84 |

PT0004R Monte Velho Portugal

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Cd | 0.42 | 0.42 | 0.42 | 295.2 | 91.8 | 42 | 42 |
| Cu | 0.65 | 0.33 | 3.74 | 451.4 | 91.8 | 25 | 42 |
| Mn | 1.90 | 1.07 | 22.18 | 1321.2 | 91.8 | 35 | 42 |
| Ni | 1.03 | 0.78 | 3.91 | 715.2 | 91.8 | 35 | 42 |
| Pb | 0.65 | 0.65 | 0.65 | 448.0 | 91.8 | 42 | 42 |
| Precip off | - | 0.00 | 44.60 | 694.5 | 100.0 | 305 | 365 |
| Zn | 5.75 | 1.00 | 25.00 | 3989.9 | 91.8 | 0 | 42 |

PT0010R Angro do Heroismo Portugal

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Cd | 0.42 | 0.42 | 0.43 | 452.8 | 91.6 | 31 | 31 |
| Cu | 0.55 | 0.33 | 3.21 | 583.6 | 91.6 | 24 | 31 |
| Mn | 4.47 | 1.07 | 28.16 | 4764.8 | 91.6 | 19 | 31 |
| Ni | 9.08 | 0.78 | 51.00 | 9666.8 | 91.6 | 8 | 31 |
| Pb | 0.70 | 0.65 | 1.97 | 747.6 | 91.6 | 28 | 31 |
| Precip off | - | 0.00 | 147.20 | 1064.8 | 100.1 | 14 | 54 |
| Zn | 44.21 | 2.00 | 231.00 | 47079.3 | 91.6 | 0 | 31 |

SE0005R Bredkalen Sweden

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.04 | 0.03 | 0.27 | 17.5 | 100.0 | 10 | 12 |
| Cd | 0.03 | 0.01 | 0.24 | 13.3 | 100.0 | 4 | 12 |
| Cr | 0.24 | 0.03 | 0.56 | 105.9 | 100.0 | 3 | 12 |
| Cu | 0.99 | 0.27 | 8.11 | 436.7 | 100.0 | 0 | 12 |
| Hg | 7.22 | 3.10 | 24.00 | 2409.3 | 100.0 | 0 | 12 |
| Mn | 3.87 | 0.80 | 16.70 | 1700.7 | 100.0 | 0 | 12 |
| Ni | 0.34 | 0.12 | 0.74 | 149.5 | 100.0 | 0 | 12 |
| Pb | 0.50 | 0.20 | 2.12 | 219.6 | 100.0 | 0 | 12 |
| Precip | - | 7.0 | 98.4 | 440.0 | 98.6 | 0 | 12 |
| V | 0.17 | 0.10 | 0.46 | 75.8 | 100.0 | 0 | 12 |
| Zn | 4.25 | 0.86 | 18.59 | 1868.8 | 100.0 | 0 | 12 |

SE0011R Vavihill Sweden

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Hg | 9.91 | 4.70 | 23.50 | 6675.4 | 100.0 | 0 | 12 |
| Precip | - | 16.4 | 104.3 | 673.6 | 96.7 | 0 | 12 |

SE0014R Råö Sweden

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Hg | 12.26 | 4.60 | 45.30 | 7127.6 | 100.0 | 0 | 12 |
| Precip | - | 8.4 | 94.8 | 581.6 | 96.7 | 0 | 12 |

SE0051R Arup Sweden

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.13 | 0.03 | 0.43 | 120.7 | 100.0 | 5 | 12 |
| Cd | 0.05 | 0.01 | 0.20 | 43.7 | 100.0 | 2 | 12 |
| Cr | 0.22 | 0.10 | 0.43 | 203.6 | 100.0 | 0 | 12 |
| Cu | 0.86 | 0.55 | 2.70 | 783.8 | 100.0 | 0 | 12 |
| Mn | 3.40 | 0.80 | 14.50 | 3103.3 | 100.0 | 0 | 12 |
| Ni | 0.32 | 0.01 | 0.91 | 294.6 | 100.0 | 1 | 12 |
| Pb | 1.73 | 0.40 | 3.77 | 1579.4 | 100.0 | 0 | 12 |
| Precip | - | 10.0 | 188.0 | 911.6 | 99.9 | 0 | 12 |
| V | 0.75 | 0.30 | 1.30 | 680.4 | 100.0 | 0 | 12 |
| Zn | 5.41 | 3.09 | 14.49 | 4933.5 | 100.0 | 0 | 12 |

SE0097R Gårdsjon Sweden

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.09 | 0.03 | 0.32 | 85.7 | 100.0 | 5 | 12 |
| Cd | 0.03 | 0.01 | 0.09 | 33.7 | 100.0 | 1 | 12 |
| Co | 0.00 | 0.00 | 0.04 | 3.4 | 100.0 | 9 | 12 |
| Cr | 0.12 | 0.03 | 0.37 | 123.3 | 100.0 | 6 | 12 |
| Cu | 0.80 | 0.28 | 2.70 | 791.7 | 100.0 | 0 | 12 |
| Mn | 2.54 | 0.80 | 8.00 | 2507.0 | 100.0 | 0 | 12 |
| Ni | 0.09 | 0.01 | 0.31 | 84.7 | 100.0 | 3 | 12 |
| Pb | 0.96 | 0.31 | 3.43 | 944.1 | 100.0 | 0 | 12 |
| Precip | - | 26.0 | 162.0 | 987.8 | 97.2 | 0 | 12 |
| V | 0.71 | 0.35 | 1.26 | 701.8 | 100.0 | 0 | 12 |
| Zn | 4.60 | 1.12 | 18.93 | 4545.5 | 100.0 | 0 | 12 |

SK0002R Chopok Slovakia

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.28 | 0.25 | 0.52 | 316.4 | 100.0 | 10 | 12 |
| Cd | 0.51 | 0.18 | 1.02 | 589.5 | 100.0 | 0 | 12 |
| Cr | 0.26 | 0.05 | 1.03 | 303.7 | 100.0 | 0 | 12 |
| Cu | 2.61 | 0.72 | 4.84 | 3006.2 | 100.0 | 0 | 12 |
| Mn | 5.08 | 1.52 | 13.85 | 5849.2 | 100.0 | 0 | 12 |
| Ni | 0.74 | 0.05 | 1.92 | 858.1 | 100.0 | 2 | 12 |
| Pb | 4.11 | 2.15 | 9.30 | 4730.6 | 100.0 | 0 | 12 |
| Precip | - | 24.1 | 266.1 | 1151.3 | 99.7 | 0 | 12 |
| Zn | 38.37 | 18.00 | 70.00 | 44173.8 | 77.8 | 0 | 7 |

SK0004R Stara Lesna Slovakia

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.29 | 0.25 | 1.25 | 256.8 | 100.0 | 8 | 12 |
| Cd | 0.25 | 0.09 | 0.74 | 217.7 | 100.0 | 0 | 12 |
| Cr | 0.07 | 0.02 | 0.78 | 61.8 | 100.0 | 4 | 12 |
| Cu | 1.77 | 0.51 | 7.39 | 1546.7 | 100.0 | 0 | 12 |
| Mn | 3.41 | 1.64 | 15.09 | 2981.2 | 100.0 | 0 | 12 |
| Ni | 0.32 | 0.05 | 1.39 | 276.9 | 100.0 | 4 | 12 |
| Pb | 1.98 | 0.51 | 12.99 | 1726.8 | 100.0 | 0 | 12 |
| Precip | - | 8.9 | 207.5 | 874.3 | 99.7 | 0 | 12 |
| Zn | 8.31 | 3.00 | 51.00 | 7264.1 | 81.3 | 0 | 10 |

SK0005R Liesek Slovakia

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.26 | 0.25 | 0.57 | 207.0 | 100.0 | 11 | 12 |
| Cd | 0.10 | 0.06 | 0.22 | 78.5 | 100.0 | 0 | 12 |
| Cr | 0.08 | 0.02 | 0.21 | 63.0 | 100.0 | 2 | 12 |
| Cu | 1.10 | 0.43 | 2.18 | 882.2 | 100.0 | 0 | 12 |
| Mn | 5.73 | 3.21 | 15.77 | 4607.6 | 100.0 | 0 | 12 |
| Ni | 2.31 | 0.05 | 19.10 | 1856.8 | 100.0 | 1 | 12 |
| Pb | 1.34 | 0.37 | 2.83 | 1075.9 | 100.0 | 0 | 12 |
| Precip | - | 18.9 | 131.3 | 804.0 | 99.7 | 0 | 12 |
| Zn | 10.35 | 4.00 | 30.00 | 8324.2 | 93.8 | 0 | 11 |

SK0006R Starina Slovakia

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| As | 0.32 | 0.25 | 1.10 | 253.8 | 100.0 | 9 | 12 |
| Cd | 0.15 | 0.08 | 0.60 | 117.9 | 100.0 | 0 | 12 |
| Cr | 0.09 | 0.02 | 0.65 | 71.6 | 100.0 | 3 | 12 |
| Cu | 1.89 | 1.10 | 4.93 | 1490.4 | 100.0 | 0 | 12 |
| Mn | 3.67 | 0.60 | 7.64 | 2894.1 | 100.0 | 0 | 12 |
| Ni | 0.33 | 0.05 | 1.15 | 259.3 | 100.0 | 3 | 12 |
| Pb | 2.22 | 0.72 | 4.81 | 1745.8 | 100.0 | 0 | 12 |
| Precip | - | 22.0 | 169.4 | 787.4 | 99.7 | 0 | 12 |
| Zn | 8.70 | 0.85 | 29.00 | 6846.7 | 100.0 | 2 | 12 |

SK0007R Topoliniky Slovakia

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Cd | 0.08 | 0.02 | 0.25 | 47.7 | 100.0 | 3 | 12 |
| Cr | 0.83 | 0.17 | 2.19 | 479.8 | 100.0 | 0 | 12 |
| Cu | 0.83 | 0.17 | 2.19 | 479.8 | 100.0 | 0 | 12 |
| Mn | 4.65 | 1.29 | 12.61 | 2692.8 | 100.0 | 0 | 12 |
| Ni | 0.26 | 0.04 | 0.74 | 149.0 | 100.0 | 3 | 12 |
| Pb | 1.36 | 0.45 | 3.26 | 788.0 | 100.0 | 0 | 12 |
| Precip | - | 9.9 | 112.9 | 579.5 | 99.7 | 0 | 12 |
| Zn | 6.73 | 0.85 | 22.00 | 3898.9 | 100.0 | 2 | 12 |

# Annex 2

# Annual statistics for heavy metals in air

AT0002R Illmitz Austria

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 1.06 | 0.79 | 0.83 | 1.96 | 0.50 | 0.50 | 0.50 | 2.54 | 3.10 | 12.6 | 28 | 46 |
| Cd | 0.44 | 0.43 | 0.30 | 2.50 | 0.05 | 0.05 | 0.30 | 1.20 | 3.20 | 29.3 | 13 | 107 |
| Ni | 2.35 | 2.11 | 1.75 | 2.08 | 0.95 | 0.95 | 0.95 | 7.54 | 8.57 | 12.6 | 24 | 46 |
| Pb | 13.91 | 11.59 | 10.11 | 2.35 | 0.50 | 2.50 | 10.00 | 33.06 | 82.80 | 29.3 | 1 | 107 |

AT0004R St. Koloman Austria

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.13 | 0.09 | 0.11 | 1.64 | 0.05 | 0.05 | 0.10 | 0.25 | 0.65 | 16.7 | 29 | 61 |
| Pb | 3.01 | 2.20 | 2.31 | 2.19 | 0.47 | 0.47 | 2.60 | 5.50 | 13.10 | 16.7 | 14 | 61 |

AT0005R Vorhegg Austria

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.47 | 0.10 | 0.46 | 1.15 | 0.45 | 0.45 | 0.45 | 0.45 | 1.10 | 11.2 | 40 | 41 |
| Cd | 0.17 | 0.14 | 0.13 | 2.09 | 0.05 | 0.05 | 0.10 | 0.40 | 1.00 | 26.0 | 41 | 95 |
| Ni | 1.35 | 0.93 | 1.17 | 1.63 | 0.90 | 0.90 | 0.90 | 3.21 | 4.88 | 11.2 | 31 | 41 |
| Pb | 5.04 | 3.92 | 3.62 | 2.41 | 0.45 | 0.95 | 3.80 | 12.20 | 18.80 | 26.3 | 10 | 96 |

BE0004R Knokke Belgium

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cu | 27.03 | 2.88 | 27.66 | 1.09 | 27.00 | 27.00 | 27.00 | 30.50 | 37.00 | 100.5 | 12 | 13 |
| Pb | 17.07 | 6.82 | 16.37 | 1.39 | 13.00 | 13.00 | 14.00 | 30.75 | 34.00 | 100.5 | 0 | 13 |
| Zn | 43.07 | 23.75 | 37.26 | 1.68 | 20.00 | 20.00 | 34.00 | 84.50 | 91.00 | 100.5 | 0 | 13 |
| Ni | 17.94 | 2.64 | 17.50 | 1.17 | 12.00 | 12.00 | 18.00 | 21.35 | 22.00 | 100.5 | 0 | 13 |

CZ0001R Svratouch Czech Republic

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.37 | 0.32 | 0.26 | 2.28 | 0.05 | 0.05 | 0.23 | 1.08 | 1.27 | 16.7 | 0 | 61 |
| Pb | 8.90 | 7.67 | 6.37 | 2.33 | 0.84 | 1.33 | 6.47 | 25.25 | 33.56 | 16.7 | 0 | 61 |

CZ0003R Kosetice Czech Republic

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.31 | 0.29 | 0.23 | 2.15 | 0.05 | 0.06 | 0.23 | 0.75 | 1.73 | 16.4 | 0 | 60 |
| Pb | 7.79 | 7.03 | 5.03 | 2.87 | 0.20 | 0.80 | 4.97 | 22.84 | 31.07 | 16.4 | 0 | 60 |

DE0001R Westerland Germany

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.61 | 0.40 | 0.50 | 1.89 | 0.17 | 0.19 | 0.53 | 1.19 | 1.91 | 100.0 | 0 | 36 |
| Cd | 0.16 | 0.12 | 0.12 | 2.29 | 0.01 | 0.03 | 0.14 | 0.41 | 0.53 | 100.0 | 0 | 36 |
| Cu | 2.56 | 1.31 | 1.99 | 2.62 | 0.04 | 0.08 | 2.24 | 4.43 | 6.44 | 100.0 | 0 | 36 |
| Fe | 100.63 | 66.14 | 78.56 | 2.15 | 8.70 | 13.57 | 77.50 | 242.65 | 266.30 | 97.3 | 0 | 35 |
| Mn | 2.94 | 1.82 | 2.04 | 3.50 | 0.02 | 0.02 | 2.53 | 6.45 | 7.34 | 100.0 | 0 | 36 |
| Ni | 1.31 | 0.57 | 1.11 | 2.09 | 0.04 | 0.22 | 1.26 | 2.26 | 2.57 | 100.0 | 0 | 36 |
| Pb | 6.21 | 3.60 | 5.19 | 1.87 | 0.76 | 1.51 | 5.50 | 11.99 | 17.65 | 100.0 | 0 | 36 |

DE0002R Langenbrugge Germany

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.56 | 0.80 | 0.32 | 2.74 | 0.02 | 0.08 | 0.32 | 2.01 | 5.58 | 95.6 | 0 | 349 |
| Cd | 0.20 | 0.21 | 0.11 | 3.58 | 0.00 | 0.01 | 0.12 | 0.61 | 1.40 | 95.9 | 0 | 350 |
| Cu | 2.28 | 1.75 | 1.70 | 2.43 | 0.00 | 0.28 | 1.89 | 5.63 | 10.81 | 95.9 | 0 | 350 |
| Fe | 95.36 | 79.27 | 67.72 | 2.42 | 2.00 | 14.71 | 71.55 | 255.65 | 411.40 | 95.6 | 0 | 349 |
| Hg (g) | 1.70 | 0.36 | 1.66 | 1.22 | 1.07 | 1.26 | 1.61 | 2.40 | 2.91 | 97.3 | 0 | 355 |
| Mn | 3.24 | 2.59 | 2.31 | 2.49 | 0.08 | 0.45 | 2.46 | 8.32 | 17.46 | 95.9 | 0 | 350 |
| Ni | 0.89 | 0.71 | 0.63 | 2.55 | 0.07 | 0.07 | 0.70 | 2.27 | 3.99 | 95.6 | 0 | 349 |
| Pb | 7.21 | 7.57 | 4.70 | 2.59 | 0.30 | 0.90 | 4.95 | 24.19 | 42.85 | 95.9 | 0 | 350 |
| Zn | 19.72 | 19.62 | 12.30 | 2.77 | 2.56 | 2.56 | 13.74 | 59.06 | 120.96 | 93.7 | 0 | 342 |

DE0003R Schauinsland Germany

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.20 | 0.15 | 0.15 | 2.32 | 0.04 | 0.04 | 0.19 | 0.47 | 0.73 | 94.5 | 0 | 34 |
| Cd | 0.08 | 0.06 | 0.06 | 1.99 | 0.02 | 0.02 | 0.06 | 0.13 | 0.33 | 97.3 | 0 | 35 |
| Cu | 1.27 | 0.91 | 1.05 | 1.89 | 0.20 | 0.24 | 1.02 | 2.50 | 5.19 | 97.3 | 0 | 35 |
| Mn | 1.64 | 0.96 | 1.34 | 1.99 | 0.37 | 0.37 | 1.56 | 3.31 | 4.50 | 97.3 | 0 | 35 |
| Pb | 2.54 | 1.43 | 2.17 | 1.81 | 0.65 | 0.69 | 2.27 | 4.54 | 7.65 | 97.3 | 0 | 35 |

DE0004R Deuselbach Germany

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.48 | 0.33 | 0.40 | 1.80 | 0.15 | 0.17 | 0.35 | 1.15 | 1.48 | 100.0 | 0 | 36 |
| Cd | 0.18 | 0.09 | 0.17 | 1.53 | 0.05 | 0.08 | 0.16 | 0.39 | 0.44 | 100.0 | 0 | 36 |
| Cu | 2.04 | 0.61 | 1.95 | 1.37 | 0.80 | 1.06 | 2.00 | 3.08 | 3.50 | 100.0 | 0 | 36 |
| Mn | 4.36 | 1.58 | 4.09 | 1.48 | 0.91 | 2.25 | 3.98 | 7.26 | 9.61 | 100.0 | 0 | 36 |
| Ni | 0.56 | 0.30 | 0.46 | 2.01 | 0.08 | 0.08 | 0.54 | 0.92 | 1.53 | 100.0 | 0 | 36 |
| Pb | 8.96 | 2.34 | 8.67 | 1.30 | 4.62 | 5.32 | 8.48 | 12.36 | 15.99 | 100.0 | 0 | 36 |

DE0005R Brotjacklriegel Germany

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.43 | 0.34 | 0.32 | 2.21 | 0.05 | 0.05 | 0.32 | 1.26 | 1.48 | 100.0 | 0 | 36 |
| Cd | 0.11 | 0.09 | 0.09 | 2.14 | 0.02 | 0.02 | 0.09 | 0.26 | 0.42 | 100.0 | 0 | 36 |
| Cu | 1.01 | 0.78 | 0.74 | 2.31 | 0.20 | 0.22 | 0.85 | 2.42 | 3.22 | 100.0 | 0 | 36 |
| Fe | 88.90 | 71.54 | 61.02 | 2.71 | 11.10 | 11.10 | 83.25 | 195.78 | 314.00 | 97.3 | 0 | 35 |
| Pb | 3.24 | 2.52 | 2.57 | 1.99 | 0.65 | 0.70 | 2.56 | 8.41 | 12.21 | 100.0 | 0 | 36 |

DE0007R Neuglobsow Germany

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.86 | 0.67 | 0.67 | 2.02 | 0.16 | 0.23 | 0.57 | 1.93 | 3.50 | 100.0 | 0 | 36 |
| Cd | 0.22 | 0.16 | 0.17 | 2.02 | 0.04 | 0.05 | 0.15 | 0.52 | 0.80 | 100.0 | 0 | 36 |
| Fe | 50.56 | 39.92 | 37.98 | 2.17 | 12.40 | 13.30 | 34.70 | 126.33 | 179.60 | 97.0 | 0 | 35 |
| Mn | 2.96 | 2.19 | 2.21 | 2.31 | 0.33 | 0.33 | 2.46 | 6.96 | 10.03 | 100.0 | 0 | 36 |
| Ni | 0.91 | 0.45 | 0.74 | 2.18 | 0.07 | 0.09 | 0.92 | 1.53 | 1.73 | 100.0 | 0 | 36 |
| Pb | 7.75 | 5.66 | 6.23 | 1.94 | 2.10 | 2.12 | 6.39 | 19.92 | 27.52 | 100.0 | 0 | 36 |

DE0008R Schmucke Germany

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.43 | 0.40 | 0.32 | 2.26 | 0.04 | 0.04 | 0.30 | 1.04 | 1.97 | 100.0 | 0 | 36 |
| Cd | 0.12 | 0.08 | 0.09 | 2.11 | 0.02 | 0.02 | 0.10 | 0.23 | 0.41 | 100.0 | 0 | 36 |
| Cu | 1.41 | 0.89 | 1.13 | 2.05 | 0.38 | 0.38 | 1.22 | 2.97 | 3.66 | 100.0 | 0 | 36 |
| Fe | 51.48 | 44.33 | 34.43 | 2.77 | 6.10 | 6.66 | 40.70 | 146.04 | 177.40 | 100.0 | 0 | 36 |
| Mn | 1.88 | 1.45 | 1.26 | 2.94 | 0.12 | 0.12 | 1.48 | 4.63 | 5.87 | 100.0 | 0 | 36 |
| Ni | 0.83 | 0.43 | 0.70 | 2.04 | 0.08 | 0.08 | 0.75 | 1.56 | 1.94 | 100.0 | 0 | 36 |
| Pb | 4.75 | 2.79 | 3.95 | 1.98 | 0.71 | 0.71 | 4.35 | 9.14 | 13.98 | 100.0 | 0 | 36 |

DE0009R Zingst Germany

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.64 | 0.51 | 0.48 | 2.18 | 0.10 | 0.12 | 0.49 | 1.53 | 2.24 | 100.0 | 0 | 36 |
| Cd | 0.18 | 0.13 | 0.14 | 2.36 | 0.01 | 0.03 | 0.14 | 0.43 | 0.55 | 100.0 | 0 | 36 |
| Cu | 2.14 | 0.86 | 1.91 | 1.68 | 0.31 | 0.61 | 1.96 | 3.68 | 3.92 | 100.0 | 0 | 36 |
| Fe | 77.91 | 44.89 | 60.48 | 2.33 | 3.30 | 10.57 | 67.50 | 165.72 | 179.60 | 97.3 | 0 | 35 |
| Mn | 2.68 | 1.45 | 2.03 | 2.61 | 0.09 | 0.12 | 2.60 | 5.30 | 6.11 | 100.0 | 0 | 36 |
| Ni | 1.75 | 0.86 | 1.53 | 1.70 | 0.35 | 0.57 | 1.54 | 3.32 | 3.92 | 100.0 | 0 | 36 |
| Pb | 6.91 | 4.67 | 5.33 | 2.19 | 0.79 | 0.90 | 5.26 | 15.52 | 20.40 | 100.0 | 0 | 36 |
| Hg (g) | 1.63 | 0.31 | 1.61 | 1.21 | 0.93 | 1.17 | 1.60 | 2.24 | 2.84 | 59.7 | 0 | 218 |

DK0003R Tange Denmark

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.68 | 0.78 | 0.40 | 3.15 | -0.03 | 0.04 | 0.42 | 1.99 | 5.85 | 97.8 | 23 | 357 |
| Cd | 0.15 | 0.28 | 0.15 | 3.47 | -0.61 | -0.24 | 0.11 | 0.61 | 1.93 | 97.8 | 307 | 357 |
| Cr | 0.42 | 0.84 | 0.37 | 3.50 | -8.78 | -0.30 | 0.32 | 1.54 | 6.59 | 97.8 | 217 | 357 |
| Cu | 1.77 | 5.56 | 1.01 | 3.00 | -0.17 | 0.16 | 1.09 | 3.61 | 103.42 | 98.1 | 11 | 358 |
| Fe | 116.54 | 161.48 | 56.22 | 3.57 | -0.06 | 6.76 | 53.85 | 429.62 | 1388.29 | 98.1 | 2 | 358 |
| Mn | 4.16 | 4.84 | 2.34 | 3.38 | -0.16 | 0.27 | 2.34 | 13.57 | 41.37 | 97.8 | 16 | 357 |
| Ni | 1.08 | 0.80 | 0.78 | 2.64 | -0.10 | 0.12 | 0.93 | 2.61 | 4.56 | 97.8 | 19 | 357 |
| Pb | 4.71 | 6.28 | 2.76 | 3.18 | 0.01 | 0.38 | 2.92 | 14.39 | 79.20 | 98.1 | 3 | 358 |
| Zn | 13.24 | 12.14 | 8.89 | 2.80 | -2.76 | 1.50 | 10.06 | 37.25 | 107.15 | 98.1 | 5 | 358 |

DK0005R Keldsnor Denmark

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.52 | 0.79 | 0.32 | 2.74 | -0.09 | 0.04 | 0.32 | 1.58 | 10.34 | 99.2 | 31 | 362 |
| Cd | 0.18 | 0.35 | 0.19 | 3.09 | -0.50 | -0.23 | 0.13 | 0.70 | 3.66 | 99.2 | 299 | 362 |
| Cr | 0.42 | 0.59 | 0.38 | 3.00 | -0.74 | -0.34 | 0.31 | 1.58 | 3.23 | 99.2 | 233 | 362 |
| Cu | 1.56 | 1.64 | 0.97 | 2.97 | 0.01 | 0.15 | 1.02 | 4.59 | 14.91 | 99.2 | 16 | 362 |
| Fe | 89.95 | 84.25 | 58.04 | 2.75 | 0.58 | 10.57 | 60.19 | 270.95 | 460.28 | 99.2 | 0 | 362 |
| Mn | 2.82 | 2.58 | 1.87 | 2.75 | -0.16 | 0.32 | 1.89 | 8.66 | 13.79 | 99.2 | 20 | 362 |
| Ni | 2.18 | 1.87 | 1.46 | 2.84 | -0.01 | 0.24 | 1.64 | 6.00 | 12.11 | 99.2 | 12 | 362 |
| Pb | 6.05 | 8.33 | 3.56 | 3.02 | 0.01 | 0.56 | 3.68 | 17.88 | 107.15 | 99.2 | 2 | 362 |
| Zn | 14.13 | 17.62 | 8.73 | 3.02 | 0.01 | 1.50 | 9.69 | 36.41 | 232.94 | 99.2 | 8 | 362 |

DK0008R Anholt Denmark

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.33 | 0.39 | 0.22 | 2.41 | -0.06 | 0.06 | 0.20 | 1.02 | 3.15 | 100.0 | 27 | 365 |
| Cd | 0.10 | 0.24 | 0.14 | 3.02 | -0.45 | -0.26 | 0.07 | 0.53 | 1.11 | 100.0 | 333 | 365 |
| Cr | 0.25 | 0.75 | 0.25 | 3.96 | -1.73 | -0.40 | 0.13 | 1.20 | 10.53 | 100.0 | 280 | 365 |
| Cu | 0.92 | 1.11 | 0.57 | 2.95 | -0.13 | 0.06 | 0.61 | 2.75 | 11.93 | 100.0 | 54 | 365 |
| Fe | 58.10 | 67.06 | 32.06 | 3.10 | -0.18 | 4.35 | 30.89 | 205.45 | 370.83 | 100.0 | 3 | 365 |
| Mn | 2.15 | 2.09 | 1.45 | 2.63 | -0.20 | 0.23 | 1.39 | 6.62 | 11.83 | 100.0 | 30 | 365 |
| Ni | 1.54 | 1.30 | 1.05 | 2.66 | -0.01 | 0.18 | 1.17 | 4.20 | 7.71 | 100.0 | 23 | 365 |
| Pb | 3.57 | 4.73 | 1.90 | 3.23 | -0.00 | 0.30 | 1.98 | 12.30 | 38.39 | 100.0 | 9 | 365 |
| Zn | 9.43 | 10.85 | 5.75 | 2.88 | -0.31 | 0.92 | 5.92 | 30.12 | 85.91 | 100.0 | 16 | 365 |

DK0031R Ulborg Denmark

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.24 | 0.33 | 0.12 | 4.43 | -0.06 | -0.00 | 0.14 | 0.83 | 2.40 | 99.5 | 75 | 363 |
| Cd | 0.09 | 0.23 | 0.11 | 4.21 | -0.41 | -0.26 | 0.03 | 0.56 | 0.90 | 99.5 | 326 | 363 |
| Cr | 0.20 | 0.56 | 0.17 | 5.59 | -1.32 | -0.36 | 0.03 | 1.03 | 4.02 | 99.5 | 269 | 363 |
| Cu | 0.73 | 1.18 | 0.31 | 5.19 | -0.04 | 0.01 | 0.43 | 2.31 | 16.49 | 99.5 | 64 | 363 |
| Fe | 54.62 | 94.42 | 16.83 | 6.49 | 0.01 | 0.42 | 22.83 | 197.25 | 840.43 | 99.5 | 10 | 363 |
| Mn | 1.79 | 2.59 | 0.73 | 5.47 | -0.15 | 0.01 | 0.98 | 6.16 | 24.41 | 99.5 | 56 | 363 |
| Ni | 0.75 | 0.81 | 0.37 | 4.82 | -0.12 | 0.01 | 0.57 | 2.09 | 6.48 | 99.5 | 53 | 363 |
| Pb | 2.82 | 3.85 | 1.02 | 5.81 | -0.04 | 0.03 | 1.43 | 11.54 | 24.60 | 99.5 | 18 | 363 |
| Zn | 7.82 | 10.46 | 3.27 | 5.21 | -0.36 | 0.13 | 4.36 | 25.94 | 115.54 | 99.5 | 27 | 363 |

ES0008R Niembro Spain

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.17 | 0.16 | 0.13 | 2.31 | 0.00 | 0.00 | 0.12 | 0.47 | 0.82 | 12.3 | 3 | 45 |
| Cu | 27.90 | 19.97 | 20.92 | 2.29 | 3.70 | 3.70 | 21.30 | 71.75 | 75.90 | 12.3 | 0 | 45 |
| Pb | 12.94 | 9.68 | 10.63 | 1.82 | 4.48 | 5.06 | 9.76 | 30.18 | 55.38 | 12.3 | 0 | 45 |

ES0009R Campisabalos Spain

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.06 | 0.05 | 0.04 | 3.42 | 0.01 | 0.01 | 0.06 | 0.14 | 0.20 | 12.3 | 10 | 45 |
| Cu | 53.82 | 38.55 | 36.10 | 3.49 | 0.09 | 4.22 | 44.65 | 119.22 | 170.10 | 12.3 | 1 | 45 |
| Pb | 6.55 | 1.64 | 6.37 | 1.27 | 4.07 | 4.57 | 6.25 | 9.03 | 11.35 | 12.3 | 0 | 45 |

FI0036R Matorova Finland

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.19 | 0.17 | 0.11 | 2.98 | 0.01 | 0.01 | 0.14 | 0.59 | 0.71 | 95.9 | 2 | 52 |
| Cd | 0.03 | 0.02 | 0.02 | 2.97 | 0.00 | 0.00 | 0.02 | 0.06 | 0.11 | 95.9 | 1 | 52 |
| Cr | 0.12 | 0.09 | 0.08 | 2.50 | 0.01 | 0.01 | 0.09 | 0.30 | 0.31 | 95.9 | 1 | 52 |
| Cu | 0.45 | 0.48 | 0.26 | 2.90 | 0.03 | 0.03 | 0.23 | 1.35 | 2.33 | 95.9 | 0 | 52 |
| Fe | 27.87 | 20.53 | 21.40 | 2.18 | 1.98 | 4.24 | 20.16 | 71.29 | 93.73 | 95.9 | 0 | 52 |
| Mn | 0.59 | 0.43 | 0.44 | 2.27 | 0.06 | 0.10 | 0.46 | 1.44 | 1.91 | 95.9 | 0 | 52 |
| Ni | 0.42 | 0.50 | 0.21 | 3.55 | 0.01 | 0.02 | 0.22 | 1.32 | 2.73 | 95.9 | 0 | 52 |
| Pb | 0.75 | 0.59 | 0.50 | 2.83 | 0.02 | 0.08 | 0.61 | 1.62 | 2.64 | 95.9 | 0 | 52 |
| V | 0.40 | 0.38 | 0.24 | 2.90 | 0.02 | 0.04 | 0.22 | 1.30 | 1.59 | 95.9 | 0 | 52 |
| Zn | 1.73 | 1.55 | 1.16 | 2.64 | 0.05 | 0.22 | 1.18 | 4.17 | 8.79 | 95.9 | 1 | 52 |

FI0096R Pallas Finland

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hg | 3.01 | 1.88 | 2.53 | 1.83 | 0.90 | 0.90 | 2.60 | 6.17 | 9.80 | 83.3 | 0 | 43 |

GB0014R High Muffles United Kingdom

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.69 | 0.39 | 0.61 | 1.53 | 0.34 | 0.34 | 0.55 | 1.22 | 1.82 | 99.7 | 0 | 12 |
| Cd | 0.27 | 0.12 | 0.24 | 1.59 | 0.10 | 0.10 | 0.26 | 0.44 | 0.54 | 99.7 | 0 | 12 |
| Cr | 1.71 | 0.86 | 1.50 | 1.73 | 0.69 | 0.69 | 1.06 | 2.86 | 3.07 | 99.7 | 0 | 12 |
| Cu | 1.46 | 0.40 | 1.41 | 1.30 | 0.97 | 0.97 | 1.35 | 2.04 | 2.38 | 99.7 | 0 | 12 |
| Ni | 1.17 | 0.62 | 0.99 | 1.90 | 0.34 | 0.34 | 0.97 | 1.98 | 2.00 | 99.7 | 0 | 12 |
| Pb | 5.39 | 2.73 | 4.83 | 1.56 | 2.67 | 2.67 | 4.54 | 9.66 | 12.22 | 99.7 | 0 | 12 |
| Zn | 48.52 | 30.58 | 41.54 | 1.79 | 18.60 | 18.60 | 37.00 | 101.64 | 121.20 | 99.7 | 0 | 12 |

GB0090R East Ruston United Kingdom

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 1.55 | 1.30 | 1.20 | 2.06 | 0.44 | 0.44 | 0.99 | 3.87 | 4.42 | 99.7 | 0 | 13 |
| Cd | 0.43 | 0.35 | 0.33 | 2.15 | 0.12 | 0.12 | 0.27 | 0.99 | 1.22 | 99.7 | 0 | 13 |
| Cr | 1.33 | 0.80 | 1.10 | 1.89 | 0.49 | 0.49 | 0.83 | 2.56 | 2.67 | 99.7 | 0 | 13 |
| Cu | 2.25 | 0.62 | 2.17 | 1.31 | 1.53 | 1.53 | 2.02 | 3.15 | 3.38 | 99.7 | 0 | 13 |
| Ni | 1.94 | 0.82 | 1.72 | 1.66 | 0.65 | 0.65 | 1.75 | 3.17 | 3.39 | 91.8 | 0 | 12 |
| Pb | 8.00 | 3.23 | 7.65 | 1.59 | 2.60 | 2.60 | 8.37 | 12.08 | 12.20 | 99.7 | 0 | 13 |
| Zn | 42.24 | 17.97 | 38.86 | 1.57 | 17.10 | 17.10 | 39.60 | 74.36 | 78.00 | 99.7 | 0 | 13 |

GB0091R Banchory United Kingdom

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.49 | 0.39 | 0.41 | 1.98 | 0.16 | 0.16 | 0.38 | 1.28 | 1.33 | 99.2 | 0 | 13 |
| Cd | 0.26 | 0.40 | 0.13 | 2.74 | 0.04 | 0.04 | 0.12 | 0.74 | 1.55 | 99.2 | 0 | 13 |
| Cr | 0.68 | 0.37 | 0.55 | 1.84 | 0.27 | 0.27 | 0.40 | 1.12 | 1.15 | 99.2 | 0 | 13 |
| Cu | 0.72 | 0.15 | 0.70 | 1.23 | 0.54 | 0.54 | 0.68 | 0.93 | 1.02 | 99.2 | 0 | 13 |
| Ni | 0.47 | 0.31 | 0.36 | 2.31 | 0.05 | 0.05 | 0.33 | 0.97 | 1.07 | 99.2 | 1 | 13 |
| Pb | 2.00 | 1.21 | 1.81 | 1.81 | 0.66 | 0.66 | 1.90 | 4.30 | 4.40 | 99.2 | 0 | 13 |
| Zn | 27.33 | 12.76 | 24.11 | 1.67 | 10.00 | 10.00 | 24.95 | 44.13 | 55.70 | 99.2 | 0 | 13 |

IS0091R Storhofdi Iceland

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | 696 | 1159 | 162 | 6.83 | 9 | 9 | 156 | 3533 | 4066 | 100.2 | 0 | 25 |
| As | 0.13 | 0.20 | 0.03 | 6.65 | 0.00 | 0.00 | 0.03 | 0.55 | 0.78 | 100.2 | 11 | 25 |
| Cd | 0.05 | 0.12 | 0.02 | 4.11 | 0.00 | 0.00 | 0.01 | 0.14 | 0.60 | 100.2 | 1 | 25 |
| Cr | 7.52 | 9.91 | 3.49 | 3.79 | 0.29 | 0.31 | 3.10 | 28.70 | 40.89 | 100.2 | 0 | 25 |
| Cu | 1.31 | 1.52 | 0.75 | 2.77 | 0.14 | 0.15 | 0.64 | 4.67 | 5.50 | 100.2 | 0 | 25 |
| Fe | 957 | 1465 | 316 | 4.58 | 25 | 26 | 231 | 4113 | 5077 | 100.2 | 0 | 25 |
| Hg | 21.61 | 25.93 | 12.74 | 2.62 | 3.70 | 3.80 | 9.25 | 65.50 | 108.80 | 100.2 | 0 | 25 |
| Mn | 16.34 | 24.55 | 5.97 | 4.06 | 0.70 | 0.74 | 3.83 | 69.56 | 84.98 | 100.2 | 0 | 25 |
| Ni | 4.71 | 5.56 | 2.34 | 3.73 | 0.14 | 0.17 | 2.61 | 15.93 | 23.15 | 100.2 | 0 | 25 |
| Pb | 0.70 | 0.52 | 0.53 | 2.31 | 0.09 | 0.10 | 0.59 | 1.56 | 2.20 | 100.2 | 0 | 25 |
| V | 4.15 | 4.95 | 2.07 | 3.27 | 0.34 | 0.34 | 1.71 | 14.36 | 17.36 | 100.2 | 0 | 25 |
| Zn | 4.69 | 6.71 | 2.84 | 2.58 | 0.63 | 0.69 | 2.25 | 9.16 | 34.34 | 100.2 | 0 | 25 |

LT0015R Preila Lithuania

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.23 | 0.13 | 0.21 | 1.64 | 0.00 | 0.05 | 0.22 | 0.42 | 0.66 | 99.2 | 0 | 52 |
| Cu | 1.41 | 0.92 | 1.28 | 1.66 | 0.00 | 0.36 | 1.10 | 2.96 | 5.00 | 99.2 | 0 | 52 |
| Pb | 6.88 | 4.33 | 6.24 | 1.67 | 0.00 | 1.44 | 5.80 | 13.62 | 24.50 | 99.2 | 0 | 52 |
| Zn | 33.60 | 34.90 | 24.58 | 2.28 | 0.00 | 3.60 | 26.00 | 112.80 | 183.00 | 99.2 | 0 | 52 |

LV0010R Rucava Latvia

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.23 | 0.13 | 0.21 | 1.64 | 0.00 | 0.05 | 0.22 | 0.42 | 0.66 | 99.2 | 0 | 52 |
| Cu | 1.41 | 0.92 | 1.28 | 1.66 | 0.00 | 0.36 | 1.10 | 2.96 | 5.00 | 99.2 | 0 | 52 |
| Pb | 6.88 | 4.33 | 6.24 | 1.67 | 0.00 | 1.44 | 5.80 | 13.62 | 24.50 | 99.2 | 0 | 52 |
| Zn | 25.03 | 17.00 | 21.23 | 1.97 | 0.00 | 2.40 | 21.00 | 55.80 | 74.00 | 91.5 | 0 | 48 |

LV0016R Zoseni Latvia

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.85 | 0.90 | 0.54 | 2.79 | 0.04 | 0.10 | 0.51 | 2.69 | 4.24 | 94.5 | 0 | 50 |
| Cd | 0.30 | 0.55 | 0.15 | 2.80 | 0.02 | 0.04 | 0.13 | 1.26 | 2.98 | 94.5 | 0 | 50 |
| Cu | 0.69 | 0.43 | 0.56 | 2.14 | 0.08 | 0.09 | 0.60 | 1.46 | 1.75 | 94.5 | 0 | 50 |
| Mn | 15.21 | 18.76 | 5.92 | 5.06 | 0.06 | 0.42 | 6.28 | 54.97 | 72.43 | 94.5 | 2 | 50 |
| Ni | 1.18 | 0.88 | 0.95 | 1.94 | 0.22 | 0.29 | 0.90 | 2.80 | 4.90 | 94.5 | 0 | 50 |
| Pb | 3.08 | 2.74 | 2.38 | 2.07 | 0.47 | 0.74 | 2.57 | 7.98 | 14.10 | 94.5 | 1 | 50 |
| Zn | 10.90 | 5.79 | 9.71 | 1.64 | 3.23 | 4.34 | 10.11 | 21.60 | 32.90 | 94.5 | 0 | 50 |

NL0009R Kollumerwaard Netherlands

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.67 | 1.02 | 0.41 | 2.57 | 0.09 | 0.09 | 0.43 | 1.88 | 9.98 | 49.9 | 29 | 182 |
| Cd | 0.18 | 0.20 | 0.11 | 2.63 | 0.02 | 0.02 | 0.12 | 0.45 | 1.37 | 49.6 | 22 | 181 |
| Pb | 7.70 | 7.74 | 5.27 | 2.51 | 0.13 | 0.92 | 5.67 | 20.01 | 53.12 | 49.9 | 0 | 182 |
| Zn | 24.07 | 20.62 | 18.33 | 2.05 | 7.70 | 7.70 | 18.95 | 58.91 | 134.41 | 49.6 | 54 | 181 |

NO0042G Zeppelin, Spitsbergen Norway

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.39 | 0.40 | 0.23 | 3.01 | 0.02 | 0.04 | 0.26 | 1.19 | 1.63 | 24.9 | 0 | 43 |
| Cd | 0.03 | 0.06 | 0.01 | 5.42 | 0.00 | 0.00 | 0.01 | 0.10 | 0.33 | 24.9 | 16 | 43 |
| Co | 0.01 | 0.01 | 0.00 | 4.59 | 0.00 | 0.00 | 0.00 | 0.02 | 0.05 | 24.9 | 24 | 43 |
| Cr | 0.04 | 0.07 | 0.02 | 3.75 | 0.00 | 0.01 | 0.01 | 0.15 | 0.35 | 24.9 | 22 | 43 |
| Cu | 0.25 | 0.31 | 0.10 | 5.28 | 0.01 | 0.01 | 0.14 | 0.97 | 1.14 | 24.9 | 11 | 43 |
| Mn | 0.26 | 0.36 | 0.12 | 4.16 | 0.01 | 0.02 | 0.19 | 0.59 | 1.95 | 24.9 | 13 | 43 |
| Ni | 0.07 | 0.09 | 0.04 | 3.23 | 0.01 | 0.01 | 0.03 | 0.27 | 0.43 | 24.9 | 18 | 43 |
| Pb | 0.66 | 1.04 | 0.21 | 5.47 | 0.01 | 0.01 | 0.29 | 2.44 | 4.96 | 24.9 | 7 | 43 |
| V | 0.08 | 0.13 | 0.04 | 3.07 | 0.01 | 0.01 | 0.04 | 0.26 | 0.83 | 24.9 | 15 | 43 |
| Zn | 1.22 | 1.43 | 0.67 | 3.06 | 0.19 | 0.19 | 0.67 | 4.26 | 6.67 | 24.9 | 17 | 43 |
| Hg | 1.60 | 0.24 | 1.57 | 1.29 | 0.00 | 1.24 | 1.64 | 1.85 | 2.84 | 77.6 | 0 | 6799 |
| RGM | 14.47 | 20.11 | 6.56 | 4.08 | 0.40 | 0.45 | 6.70 | 46.85 | 94.70 | 2.3 | 2 | 30 |

NO0099R Lista Norway fine fraction, PM25

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.24 | 0.27 | 0.13 | 4.21 | 0.00 | 0.01 | 0.18 | 0.65 | 1.57 | 100.0 | 2 | 53 |
| Cd | 0.05 | 0.06 | 0.03 | 3.45 | 0.00 | 0.00 | 0.04 | 0.15 | 0.26 | 100.0 | 1 | 53 |
| Cr | 0.29 | 0.24 | 0.26 | 1.64 | 0.09 | 0.11 | 0.23 | 0.51 | 1.49 | 61.7 | 19 | 33 |
| Co | 0.02 | 0.04 | 0.01 | 8.51 | 0.00 | 0.00 | 0.00 | 0.10 | 0.14 | 82.8 | 22 | 44 |
| Cu | 0.49 | 0.60 | 0.29 | 3.04 | 0.01 | 0.04 | 0.28 | 1.77 | 3.06 | 90.4 | 1 | 48 |
| Pb | 2.43 | 6.60 | 0.81 | 6.66 | 0.00 | 0.00 | 1.33 | 5.37 | 48.28 | 100.0 | 2 | 53 |
| Ni | 0.53 | 0.40 | 0.37 | 2.89 | 0.01 | 0.03 | 0.43 | 1.38 | 1.68 | 61.7 | 1 | 33 |
| V | 1.15 | 1.23 | 0.61 | 3.72 | 0.02 | 0.06 | 0.83 | 4.17 | 5.40 | 77.0 | 1 | 41 |
| Zn | 4.23 | 4.18 | 2.56 | 3.17 | 0.10 | 0.33 | 2.90 | 13.59 | 19.39 | 100.0 | 1 | 53 |

NO0099R Lista Norway coarse fraction (PM25-PM10)

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.06 | 0.05 | 0.05 | 2.00 | 0.01 | 0.01 | 0.05 | 0.14 | 0.28 | 100.0 | 0 | 53 |
| Cd | 0.01 | 0.01 | 0.01 | 3.36 | 0.00 | 0.00 | 0.01 | 0.03 | 0.04 | 100.0 | 7 | 53 |
| Cr | 0.74 | 0.61 | 0.57 | 1.95 | 0.30 | 0.30 | 0.41 | 2.04 | 2.12 | 100.0 | 38 | 53 |
| Co | 0.01 | 0.01 | 0.01 | 2.87 | 0.00 | 0.00 | 0.01 | 0.05 | 0.06 | 100.0 | 9 | 53 |
| Cu | 0.44 | 0.34 | 0.35 | 1.95 | 0.11 | 0.12 | 0.33 | 1.29 | 1.65 | 100.0 | 0 | 53 |
| Pb | 0.56 | 1.51 | 0.26 | 3.03 | 0.04 | 0.04 | 0.27 | 1.18 | 10.95 | 100.0 | 0 | 53 |
| Ni | 0.10 | 0.14 | 0.05 | 4.00 | 0.01 | 0.01 | 0.07 | 0.33 | 0.85 | 100.0 | 17 | 53 |
| V | 0.33 | 0.26 | 0.26 | 2.02 | 0.08 | 0.09 | 0.26 | 0.77 | 1.32 | 100.0 | 1 | 53 |
| Zn | 1.56 | 1.21 | 1.07 | 2.75 | 0.13 | 0.13 | 1.33 | 3.56 | 5.71 | 100.0 | 7 | 53 |

NO0099R Lista Norway

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hg (part) | 23.86 | 22.42 | 14.75 | 2.12 | 2.30 | 4.05 | 14.50 | 41.92 | 131.80 | 56.2 | 0 | 34 |
| Hg (g) | 1.64 | 0.35 | 1.60 | 1.25 | 1.00 | 1.00 | 1.57 | 2.18 | 2.30 | 6.0 | 0 | 22 |

SE0005R Bredkalen Sweden

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.09 | 0.09 | 0.07 | 2.35 | 0.01 | 0.01 | 0.08 | 0.29 | 0.34 | 93.4 | 0 | 32 |
| Cd | 0.02 | 0.03 | 0.02 | 2.30 | 0.00 | 0.01 | 0.02 | 0.06 | 0.13 | 93.4 | 0 | 32 |
| Ni | 0.14 | 0.12 | 0.13 | 2.08 | 0.00 | 0.01 | 0.12 | 0.41 | 0.51 | 93.4 | 0 | 32 |
| Pb | 0.60 | 0.67 | 0.49 | 2.25 | 0.10 | 0.13 | 0.47 | 1.44 | 3.58 | 93.4 | 0 | 32 |

SE0014R Råö Sweden

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.39 | 0.37 | 0.28 | 2.24 | 0.05 | 0.07 | 0.27 | 0.97 | 1.99 | 92.3 | 0 | 47 |
| Cd | 0.09 | 0.10 | 0.06 | 2.62 | 0.01 | 0.01 | 0.06 | 0.24 | 0.45 | 92.3 | 0 | 47 |
| Ni | 1.23 | 0.91 | 0.95 | 1.97 | 0.13 | 0.35 | 0.98 | 2.58 | 4.89 | 92.3 | 0 | 47 |
| Pb | 2.89 | 2.93 | 1.95 | 2.40 | 0.30 | 0.43 | 1.85 | 7.37 | 16.30 | 92.3 | 0 | 47 |
| Hg (g) | 1.67 | 0.44 | 1.63 | 1.23 | 0.80 | 1.30 | 1.60 | 2.12 | 4.20 | 24.1 | 0 | 88 |
| RGM | 14.07 | 15.41 | 10.19 | 2.17 | 2.20 | 2.98 | 9.90 | 27.83 | 131.20 | 25.8 | 0 | 94 |

SK0002R Chopok Slovakia

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.24 | 0.17 | 0.20 | 1.72 | 0.15 | 0.15 | 0.15 | 0.64 | 0.69 | 91.5 | 34 | 48 |
| Cd | 0.10 | 0.11 | 0.05 | 3.72 | 0.01 | 0.01 | 0.06 | 0.30 | 0.49 | 91.5 | 13 | 48 |
| Cr | 1.05 | 1.66 | 0.55 | 3.41 | 0.09 | 0.09 | 0.61 | 3.11 | 10.57 | 89.6 | 10 | 47 |
| Cu | 0.82 | 1.43 | 0.43 | 3.00 | 0.10 | 0.10 | 0.46 | 2.33 | 8.41 | 89.6 | 13 | 47 |
| Mn | 2.18 | 2.45 | 0.86 | 6.12 | 0.02 | 0.02 | 1.57 | 5.53 | 13.32 | 91.5 | 6 | 48 |
| Ni | 0.62 | 2.62 | 0.20 | 3.23 | 0.06 | 0.09 | 0.09 | 1.08 | 18.11 | 89.6 | 26 | 47 |
| Pb | 2.88 | 2.80 | 1.82 | 2.77 | 0.09 | 0.37 | 1.52 | 8.56 | 12.43 | 91.5 | 1 | 48 |
| Zn | 7.22 | 7.49 | 4.02 | 3.25 | 0.96 | 0.96 | 4.47 | 22.44 | 29.52 | 91.5 | 16 | 48 |

SK0004R Stara Lesna Slovakia

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 1.03 | 0.72 | 0.82 | 2.00 | 0.24 | 0.26 | 0.89 | 2.44 | 2.88 | 87.9 | 0 | 49 |
| Cd | 0.40 | 0.29 | 0.33 | 1.88 | 0.08 | 0.13 | 0.29 | 0.90 | 1.61 | 91.2 | 0 | 51 |
| Cr | 1.29 | 1.19 | 1.00 | 2.12 | 0.21 | 0.24 | 0.91 | 3.94 | 6.12 | 89.3 | 0 | 50 |
| Cu | 2.25 | 1.74 | 1.86 | 1.81 | 0.71 | 0.77 | 1.69 | 5.18 | 9.50 | 91.2 | 0 | 51 |
| Mn | 5.43 | 2.36 | 4.92 | 1.61 | 1.98 | 2.13 | 5.28 | 9.27 | 9.96 | 91.2 | 0 | 51 |
| Ni | 0.88 | 0.68 | 0.74 | 1.82 | 0.18 | 0.25 | 0.71 | 2.10 | 4.09 | 91.2 | 0 | 51 |
| Pb | 10.62 | 6.51 | 9.10 | 1.76 | 2.55 | 3.90 | 8.87 | 21.73 | 37.81 | 86.0 | 0 | 48 |
| Zn | 19.67 | 14.13 | 15.52 | 2.16 | 0.96 | 2.83 | 15.67 | 40.97 | 83.64 | 86.3 | 1 | 48 |

SK0005R Liesek Slovakia

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 1.30 | 0.74 | 1.13 | 1.68 | 0.53 | 0.55 | 1.04 | 2.65 | 3.48 | 63.3 | 0 | 33 |
| Cd | 0.60 | 0.86 | 0.40 | 2.11 | 0.14 | 0.15 | 0.32 | 1.91 | 4.44 | 67.1 | 0 | 35 |
| Cr | 1.23 | 1.07 | 0.90 | 2.36 | 0.09 | 0.09 | 0.93 | 3.55 | 5.14 | 67.1 | 2 | 35 |
| Cu | 19.29 | 10.40 | 15.75 | 2.21 | 0.83 | 2.11 | 18.84 | 37.46 | 45.00 | 56.2 | 0 | 29 |
| Mn | 23.86 | 11.34 | 20.48 | 1.79 | 4.14 | 6.03 | 21.81 | 42.25 | 48.54 | 63.3 | 0 | 33 |
| Ni | 0.45 | 0.40 | 0.32 | 2.35 | 0.09 | 0.09 | 0.32 | 1.14 | 1.91 | 55.9 | 6 | 29 |
| Pb | 9.02 | 4.62 | 8.09 | 1.60 | 3.69 | 4.05 | 7.82 | 17.27 | 23.54 | 67.1 | 0 | 35 |
| Zn | 27.19 | 20.38 | 20.71 | 2.31 | 0.96 | 3.63 | 22.05 | 61.35 | 106.60 | 67.1 | 1 | 35 |

SK0006R Starina Slovakia

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.69 | 0.48 | 0.55 | 2.02 | 0.15 | 0.15 | 0.60 | 1.50 | 2.81 | 98.4 | 7 | 52 |
| Cd | 0.47 | 0.38 | 0.36 | 2.19 | 0.04 | 0.09 | 0.32 | 1.26 | 1.75 | 98.4 | 0 | 52 |
| Cr | 1.09 | 1.01 | 0.57 | 3.86 | 0.09 | 0.09 | 1.06 | 2.61 | 5.44 | 98.4 | 16 | 52 |
| Cu | 0.46 | 0.39 | 0.33 | 2.28 | 0.10 | 0.10 | 0.31 | 1.26 | 1.75 | 98.4 | 13 | 52 |
| Mn | 4.23 | 2.81 | 3.09 | 2.47 | 0.25 | 0.42 | 4.05 | 9.52 | 12.75 | 98.4 | 0 | 52 |
| Ni | 0.81 | 0.72 | 0.53 | 2.82 | 0.09 | 0.09 | 0.76 | 2.07 | 3.90 | 98.4 | 9 | 52 |
| Pb | 10.85 | 7.21 | 8.45 | 2.22 | 0.33 | 2.40 | 8.87 | 22.84 | 37.23 | 98.4 | 0 | 52 |
| Zn | 14.49 | 8.53 | 11.02 | 2.43 | 0.96 | 0.96 | 13.89 | 29.18 | 40.34 | 98.4 | 4 | 52 |

SK0007R Topoliniky Slovakia

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| As | 1.68 | 1.23 | 1.33 | 2.04 | 0.15 | 0.44 | 1.26 | 3.71 | 5.98 | 97.5 | 1 | 50 |
| Cd | 0.55 | 0.45 | 0.43 | 1.93 | 0.14 | 0.17 | 0.38 | 1.48 | 2.26 | 97.5 | 0 | 50 |
| Cr | 3.68 | 1.77 | 2.89 | 2.40 | 0.09 | 0.27 | 3.13 | 6.37 | 9.57 | 91.8 | 2 | 47 |
| Cu | 4.43 | 1.94 | 4.01 | 1.58 | 0.98 | 1.85 | 4.00 | 7.48 | 10.64 | 97.5 | 0 | 50 |
| Mn | 8.38 | 3.89 | 7.45 | 1.64 | 1.96 | 3.27 | 7.41 | 15.50 | 17.22 | 95.6 | 0 | 49 |
| Ni | 2.03 | 0.80 | 1.83 | 1.52 | 0.49 | 0.78 | 1.85 | 3.46 | 4.36 | 95.6 | 0 | 49 |
| Pb | 17.93 | 10.50 | 15.47 | 1.70 | 6.66 | 6.82 | 14.52 | 38.66 | 53.65 | 97.5 | 0 | 50 |
| Zn | 27.76 | 14.88 | 22.56 | 2.15 | 0.96 | 3.29 | 24.10 | 52.96 | 73.28 | 97.5 | 1 | 50 |

# Annex 3

# Annual statistics for POPs in precipitation

BE0004R Knokke Belgium

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Precip | - | 36.6 | 116.1 | 828.3 | 97.0 | 0 | 14 |
| alpha_HCH | 0.50 | 0.50 | 0.50 | 414.2 | 100.0 | 14 | 14 |
| dieldrin | 1.00 | 1.00 | 1.00 | 828.3 | 100.0 | 14 | 14 |
| endrin | 1.50 | 1.50 | 1.50 | 1242.5 | 100.0 | 14 | 14 |
| gamma_HCH | 7.12 | 1.00 | 52.00 | 5899.5 | 100.0 | 6 | 14 |
| heptachlor | 1.00 | 1.00 | 1.00 | 823.0 | 100.0 | 13 | 13 |
| pp_DDD | 0.50 | 0.50 | 0.50 | 414.2 | 100.0 | 14 | 14 |
| pp_DDE | 1.00 | 1.00 | 1.00 | 828.3 | 100.0 | 14 | 14 |
| pp_DDT | 0.50 | 0.50 | 0.50 | 414.2 | 100.0 | 14 | 14 |

DE0001R Westerland Germany

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| HCB | 0.28 | 0.04 | 1.28 | 204.1 | 100.0 | 0 | 12 |
| PCB_101 | 0.696 | 0.100 | 1.610 | 504.4 | 100.0 | 0 | 12 |
| PCB_118 | 0.364 | 0.060 | 1.500 | 263.6 | 100.0 | 0 | 12 |
| PCB_138 | 1.589 | 0.260 | 4.670 | 1151.7 | 100.0 | 0 | 12 |
| PCB_153 | 0.960 | 0.150 | 2.920 | 696.1 | 100.0 | 0 | 12 |
| PCB_180 | 0.473 | 0.090 | 1.870 | 343.1 | 100.0 | 0 | 12 |
| PCB_28 | 0.659 | 0.200 | 2.480 | 477.6 | 100.0 | 0 | 12 |
| PCB_52 | 0.253 | 0.060 | 0.640 | 183.3 | 64.3 | 0 | 6 |
| Precip | - | 30.0 | 115.0 | 725.0 | 100.0 | 0 | 12 |
| alpha_HCH | 0.37 | 0.21 | 0.58 | 266.0 | 100.0 | 0 | 12 |
| anthracene | 1.38 | 0.10 | 8.40 | 1003.2 | 100.0 | 0 | 12 |
| benz_a_anthracene | 3.71 | 0.40 | 20.30 | 2691.1 | 100.0 | 0 | 12 |
| benzo_a_pyrene | 4.403 | 0.700 | 21.800 | 3192.5 | 100.0 | 0 | 12 |
| benzo_ghi_perylene | 5.88 | 1.00 | 26.90 | 4263.3 | 100.0 | 0 | 12 |
| dibenzo_ah_anthracene | 0.85 | 0.10 | 4.82 | 616.0 | 100.0 | 0 | 12 |
| dieldrin | 0.27 | 0.04 | 2.10 | 196.0 | 100.0 | 0 | 12 |
| endrin | 0.02 | 0.01 | 0.03 | 11.5 | 100.0 | 0 | 12 |
| fluoranthene | 27.64 | 5.20 | 158.00 | 20039.0 | 100.0 | 0 | 12 |
| gamma_HCH | 2.41 | 0.70 | 7.72 | 1744.1 | 100.0 | 0 | 12 |
| heptachlor | 0.01 | 0.00 | 0.01 | 4.5 | 100.0 | 0 | 12 |
| inden_123cd_pyrene | 6.21 | 0.70 | 32.50 | 4504.6 | 100.0 | 0 | 12 |
| op_DDD | 0.02 | 0.01 | 0.09 | 16.8 | 100.0 | 0 | 12 |
| op_DDE | 0.01 | 0.00 | 0.01 | 5.6 | 100.0 | 0 | 12 |
| op_DDT | 0.07 | 0.01 | 0.21 | 49.8 | 100.0 | 0 | 12 |
| phenanthrene | 66.95 | 13.90 | 395.60 | 48538.3 | 100.0 | 0 | 12 |
| pp_DDD | 0.05 | 0.01 | 0.19 | 38.4 | 100.0 | 0 | 12 |
| pp_DDE | 0.11 | 0.01 | 0.33 | 82.2 | 100.0 | 0 | 12 |
| pp_DDT | 0.47 | 0.16 | 1.94 | 339.1 | 100.0 | 0 | 12 |
| pyrene | 20.58 | 4.60 | 107.40 | 14919.9 | 100.0 | 0 | 12 |

DE0009R Zingst Germany

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| HCB | 0.11 | 0.01 | 0.66 | 69.6 | 85.5 | 0 | 11 |
| PCB_101 | 0.218 | 0.020 | 1.570 | 136.5 | 85.5 | 0 | 11 |
| PCB_118 | 0.121 | 0.010 | 0.610 | 76.1 | 85.5 | 0 | 11 |
| PCB_138 | 0.880 | 0.090 | 5.240 | 550.7 | 85.5 | 0 | 11 |
| PCB_153 | 0.468 | 0.050 | 2.690 | 293.2 | 85.5 | 0 | 11 |
| PCB_180 | 0.516 | 0.040 | 2.560 | 323.3 | 85.5 | 0 | 11 |
| PCB_28 | 0.119 | 0.010 | 0.610 | 74.2 | 85.5 | 0 | 11 |
| PCB_52 | 0.064 | 0.010 | 0.500 | 40.3 | 85.5 | 0 | 11 |
| Precip | - | 14.4 | 90.9 | 626.1 | 100.0 | 0 | 12 |
| alpha_HCH | 0.39 | 0.02 | 0.70 | 245.3 | 85.5 | 0 | 11 |
| anthracene | 1.21 | 0.10 | 5.90 | 754.8 | 85.5 | 0 | 11 |
| benz_a_anthracene | 5.35 | 0.30 | 20.10 | 3350.4 | 85.5 | 0 | 11 |
| benzo_a_pyrene | 6.217 | 1.200 | 22.600 | 3892.2 | 85.5 | 0 | 11 |
| benzo_ghi_perylene | 6.44 | 1.60 | 21.60 | 4034.0 | 85.5 | 0 | 11 |
| dibenzo_ah_anthracene | 1.06 | 0.10 | 4.10 | 662.8 | 85.5 | 0 | 11 |
| dieldrin | 0.10 | 0.03 | 0.51 | 64.7 | 85.5 | 0 | 11 |
| endrin | 0.01 | 0.01 | 0.04 | 6.4 | 85.5 | 0 | 11 |
| fluoranthene | 28.12 | 5.80 | 108.30 | 17605.2 | 85.5 | 0 | 11 |
| gamma_HCH | 1.55 | 0.50 | 3.80 | 972.4 | 85.5 | 0 | 11 |
| heptachlor | 0.00 | 0.00 | 0.01 | 2.6 | 85.5 | 0 | 11 |
| inden_123cd_pyrene | 7.21 | 0.90 | 22.10 | 4517.0 | 85.5 | 0 | 11 |
| op_DDD | 0.01 | 0.01 | 0.04 | 6.4 | 85.5 | 0 | 11 |
| op_DDE | 0.01 | 0.00 | 0.02 | 3.5 | 85.5 | 0 | 11 |
| op_DDT | 0.08 | 0.01 | 0.50 | 51.5 | 85.5 | 0 | 11 |
| phenanthrene | 25.41 | 6.90 | 106.80 | 15907.3 | 82.0 | 0 | 10 |
| pp_DDD | 0.03 | 0.00 | 0.24 | 20.1 | 85.5 | 7 | 11 |
| pp_DDE | 0.09 | 0.00 | 0.49 | 54.5 | 85.5 | 0 | 11 |
| pp_DDT | 0.45 | 0.12 | 1.47 | 279.5 | 85.5 | 0 | 11 |
| pyrene | 21.77 | 6.50 | 72.80 | 13628.6 | 85.5 | 0 | 11 |

FI0096R Pallas Finland (precip + dry dep)

January 2002 - December 2002

| Component ($ng/m^2$ day) | W. mean | Min | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| PCB_101 | 0.069 | 0.005 | 0.300 | 23.0 | 1 | 12 |
| PCB_118 | 0.025 | 0.005 | 0.050 | 23.0 | 2 | 12 |
| PCB_138 | 0.031 | 0.005 | 0.070 | 23.0 | 1 | 12 |
| PCB_153 | 0.047 | 0.020 | 0.080 | 23.0 | 0 | 12 |
| PCB_180 | 0.024 | 0.005 | 0.070 | 23.0 | 2 | 12 |
| PCB_28 | 0.087 | 0.040 | 0.180 | 23.0 | 0 | 12 |
| PCB_52 | 0.101 | 0.040 | 0.160 | 23.0 | 0 | 12 |
| alpha_HCH | 0.41 | 0.06 | 1.43 | 13.2 | 0 | 7 |
| anthracene | 0.08 | 0.00 | 1.00 | 23.0 | 1 | 12 |
| benz_a_anthracene | 1.46 | 0.50 | 5.00 | 23.0 | 3 | 12 |
| benzo_a_pyrene | 1.917 | 0.500 | 6.000 | 23.0 | 5 | 12 |
| benzo_ghi_perylene | 1.08 | 0.50 | 5.00 | 23.0 | 10 | 12 |
| fluoranthene | 3.98 | 0.50 | 17.00 | 23.0 | 2 | 12 |
| gamma_HCH | 0.44 | 0.07 | 1.37 | 13.2 | 0 | 7 |
| inden_123cd_pyrene | 2.25 | 2.00 | 5.00 | 23.0 | 11 | 12 |
| phenanthrene | 4.34 | 2.00 | 14.00 | 23.0 | 0 | 12 |
| pyrene | 3.24 | 0.50 | 14.00 | 23.0 | 2 | 12 |

IE0002R Turlough Hill Ireland

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| PCB_101 | 0.297 | 0.100 | 0.600 | 676.6 | 70.3 | 3 | 10 |
| PCB_118 | 0.208 | 0.100 | 0.400 | 473.8 | 70.3 | 9 | 10 |
| PCB_138 | 0.300 | 0.100 | 0.700 | 682.5 | 70.3 | 7 | 10 |
| PCB_153 | 0.452 | 0.150 | 1.100 | 1029.7 | 70.3 | 3 | 10 |
| PCB_180 | 0.257 | 0.100 | 0.500 | 585.3 | 70.3 | 7 | 10 |
| PCB_52 | 0.225 | 0.050 | 0.500 | 512.2 | 70.3 | 4 | 10 |
| Precip | - | 26.6 | 406.5 | 2277.0 | 100.0 | 0 | 12 |
| alpha_HCH | 0.15 | 0.10 | 0.35 | 351.7 | 70.3 | 10 | 10 |
| dieldrin | 0.15 | 0.10 | 0.35 | 351.7 | 70.3 | 10 | 10 |
| endrin | 0.13 | 0.10 | 0.25 | 290.8 | 70.3 | 10 | 10 |
| gamma_HCH | 0.77 | 0.50 | 1.10 | 1763.0 | 70.3 | 0 | 10 |
| heptachlor | 0.08 | 0.05 | 0.20 | 180.5 | 70.3 | 10 | 10 |
| pp_DDE | 0.15 | 0.10 | 0.35 | 351.7 | 70.3 | 10 | 10 |

IS0091R Storhofdi Iceland

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| HCB | 0.01 | 0.00 | 0.09 | 10.5 | 100.0 | 1 | 25 |
| PCB_101 | 0.011 | 0.004 | 0.095 | 9.2 | 100.0 | 18 | 25 |
| PCB_105 | 0.01 | 0.00 | 0.03 | 5.4 | 100.0 | 24 | 25 |
| PCB_118 | 0.007 | 0.002 | 0.060 | 5.3 | 100.0 | 19 | 25 |
| PCB_138 | 0.008 | 0.003 | 0.047 | 6.5 | 100.0 | 21 | 25 |
| PCB_153 | 0.007 | 0.002 | 0.041 | 5.6 | 100.0 | 22 | 25 |
| PCB_156 | 0.00 | 0.00 | 0.02 | 2.7 | 100.0 | 23 | 25 |
| PCB_180 | 0.006 | 0.002 | 0.040 | 4.7 | 100.0 | 14 | 25 |
| PCB_28 | 0.066 | 0.021 | 0.413 | 52.9 | 100.0 | 20 | 25 |
| PCB_31 | 0.062 | 0.023 | 0.317 | 49.8 | 100.0 | 21 | 25 |
| PCB_52 | 0.032 | 0.010 | 0.141 | 25.4 | 100.0 | 21 | 25 |
| Precip | - | 6.0 | 82.0 | 804.6 | 100.0 | 0 | 25 |
| alpha_HCH | 0.15 | 0.07 | 0.80 | 119.4 | 100.0 | 0 | 25 |
| beta_HCH | 0.01 | 0.00 | 0.06 | 10.6 | 100.0 | 20 | 25 |
| cis_CD | 0.00 | 0.00 | 0.03 | 3.5 | 100.0 | 14 | 25 |
| dieldrin | 0.04 | 0.01 | 0.33 | 29.4 | 100.0 | 1 | 25 |
| gamma_HCH | 0.12 | 0.04 | 0.55 | 96.0 | 100.0 | 0 | 25 |
| op_DDT | 0.01 | 0.00 | 0.04 | 3.7 | 70.2 | 12 | 18 |
| pp_DDD | 0.01 | 0.00 | 0.03 | 5.4 | 76.7 | 12 | 18 |
| pp_DDE | 0.01 | 0.00 | 0.03 | 5.0 | 92.5 | 15 | 23 |
| pp_DDT | 0.01 | 0.00 | 0.03 | 7.4 | 50.8 | 12 | 13 |
| trans_CD | 0.01 | 0.00 | 0.04 | 3.9 | 100.0 | 14 | 25 |
| trans_NO | 0.00 | 0.00 | 0.01 | 1.4 | 100.0 | 23 | 25 |

NL0091R De Zilk Netherlands

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| Precip | - | 26.7 | 118.4 | 882.1 | 96.2 | 0 | 13 |
| gamma_HCH | 6.78 | 5.00 | 20.00 | 5980.8 | 100.0 | 11 | 13 |

NO0099R Lista Norway

January 2002 - December 2002

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|
| HCB | 0.34 | 0.12 | 2.67 | 383.89 | 100.0 | 1 | 52 |
| Precip | - | 3.6 | 77.5 | 1128.7 | 87.9 | 0 | 52 |
| alpha_HCH | 0.41 | 0.20 | 9.47 | 465.48 | 100.0 | 1 | 52 |
| gamma_HCH | 1.68 | 0.29 | 5.32 | 1896.7 | 100.0 | 1 | 52 |

SE0012R Aspvreten Sweden (precip + dry dep)

January 2002 - December 2002

| Component ($ng/m^2$ day) | W. mean | Min | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| PCB_101 | 0.053 | 0.000 | 0.160 | 21.9 | 1 | 12 |
| PCB_118 | 0.039 | 0.000 | 0.120 | 21.9 | 1 | 12 |
| PCB_138 | 0.060 | 0.000 | 0.200 | 21.9 | 1 | 12 |
| PCB_153 | 0.058 | 0.000 | 0.200 | 21.9 | 1 | 12 |
| PCB_180 | 0.028 | 0.000 | 0.090 | 21.9 | 4 | 12 |
| PCB_28 | 0.043 | 0.000 | 0.140 | 21.9 | 2 | 12 |
| PCB_52 | 0.069 | 0.000 | 0.220 | 21.9 | 2 | 12 |
| alpha_HCH | 0.36 | 0.00 | 1.35 | 21.9 | 2 | 12 |
| anthracene | 0.42 | 0.00 | 5.00 | 21.9 | 7 | 12 |
| benz_a_anthracene | 8.51 | 0.00 | 49.00 | 21.9 | 2 | 12 |
| benzo_a_pyrene | 8.037 | 0.000 | 51.000 | 21.9 | 6 | 12 |
| benzo_ghi_perylene | 17.35 | 0.00 | 123.00 | 21.9 | 6 | 12 |
| fluoranthene | 67.28 | 0.00 | 597.00 | 21.9 | 0 | 12 |
| gamma_HCH | 0.85 | 0.01 | 3.87 | 21.9 | 1 | 12 |
| inden_123cd_pyrene | 24.99 | 0.00 | 157.00 | 21.9 | 6 | 12 |
| phenanthrene | 24.64 | 0.00 | 148.00 | 21.9 | 0 | 12 |
| pyrene | 23.35 | 0.00 | 188.00 | 21.9 | 0 | 12 |

SE0014R Råö Sweden (precip + dry dep)

January 2002 - December 2002

| Component ($ng/m^2$ day) | W. mean | Min | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| PCB_101 | 0.109 | 0.050 | 0.290 | 97.8 | 0 | 12 |
| PCB_118 | 0.080 | 0.040 | 0.150 | 97.8 | 0 | 12 |
| PCB_138 | 0.255 | 0.130 | 0.380 | 97.8 | 0 | 12 |
| PCB_153 | 0.226 | 0.110 | 0.330 | 97.8 | 0 | 12 |
| PCB_180 | 0.197 | 0.090 | 0.310 | 97.8 | 0 | 12 |
| PCB_28 | 0.121 | 0.080 | 0.220 | 97.8 | 0 | 12 |
| PCB_52 | 0.115 | 0.050 | 0.240 | 97.8 | 0 | 12 |
| alpha_HCH | 0.26 | 0.01 | 0.78 | 90.1 | 1 | 11 |
| anthracene | 1.13 | 0.00 | 6.00 | 97.8 | 0 | 12 |
| benz_a_anthracene | 9.07 | 1.00 | 44.00 | 97.8 | 0 | 12 |
| benzo_a_pyrene | 9.485 | 2.000 | 42.000 | 97.8 | 0 | 12 |
| benzo_ghi_perylene | 9.61 | 2.00 | 45.00 | 97.8 | 0 | 12 |
| fluoranthene | 34.50 | 6.00 | 145.00 | 97.8 | 0 | 12 |
| gamma_HCH | 0.07 | 0.00 | 0.39 | 90.1 | 0 | 11 |
| inden_123cd_pyrene | 12.23 | 2.00 | 62.00 | 97.8 | 0 | 12 |
| phenanthrene | 24.95 | 4.00 | 91.00 | 97.8 | 0 | 12 |
| pyrene | 23.08 | 4.00 | 97.00 | 97.8 | 0 | 12 |

# Annex 4

# Annual statistic for POPs in air

CZ0003R Kosetice Czech Republic

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB_101 | 14.875 | 7.745 | 12.281 | 2.105 | 0.500 | 3.000 | 15.000 | 30.800 | 36.000 | 14.2 | 1 | 52 |
| PCB_118 | 2.952 | 1.913 | 2.281 | 2.215 | 0.500 | 0.500 | 3.000 | 7.000 | 7.000 | 14.2 | 7 | 52 |
| PCB_138 | 9.663 | 8.083 | 7.683 | 2.025 | 0.500 | 2.800 | 7.000 | 21.200 | 51.000 | 14.2 | 1 | 52 |
| PCB_153 | 12.144 | 8.010 | 10.155 | 1.927 | 0.500 | 4.000 | 10.000 | 25.000 | 52.000 | 14.2 | 1 | 52 |
| PCB_180 | 6.490 | 10.758 | 3.960 | 2.358 | 0.500 | 1.000 | 4.000 | 18.000 | 57.000 | 14.2 | 1 | 52 |
| PCB_28 | 18.798 | 11.107 | 15.283 | 2.122 | 0.500 | 5.600 | 16.000 | 37.400 | 59.000 | 14.2 | 1 | 52 |
| PCB_52 | 21.317 | 9.204 | 18.282 | 2.029 | 0.500 | 4.600 | 22.000 | 35.600 | 42.000 | 14.2 | 1 | 52 |
| alpha_HCH | 21.90 | 20.57 | 15.15 | 2.58 | 0.50 | 1.70 | 15.00 | 62.70 | 109.00 | 14.2 | 1 | 52 |
| anthracene | 0.23 | 0.44 | 0.05 | 9.65 | 0.00 | 0.00 | 0.10 | 0.82 | 2.77 | 14.2 | 18 | 52 |
| benz_a_anthracene | 0.54 | 0.93 | 0.11 | 8.43 | 0.00 | 0.00 | 0.14 | 2.71 | 4.54 | 14.2 | 3 | 52 |
| benzo_a_pyrene | 0.566 | 0.957 | 0.130 | 7.553 | 0.002 | 0.006 | 0.174 | 2.510 | 4.458 | 14.2 | 1 | 52 |
| fluoranthene | 2.61 | 3.31 | 1.31 | 3.49 | 0.07 | 0.24 | 1.61 | 7.71 | 18.93 | 14.2 | 0 | 52 |
| fluorene | 3.37 | 4.00 | 1.73 | 3.71 | 0.02 | 0.27 | 1.96 | 11.98 | 19.97 | 14.2 | 0 | 52 |
| gamma_HCH | 27.12 | 23.66 | 19.21 | 2.55 | 0.50 | 3.00 | 21.00 | 80.40 | 115.00 | 14.2 | 1 | 52 |
| inden_123cd_pyrene | 0.58 | 0.95 | 0.14 | 7.93 | 0.00 | 0.00 | 0.17 | 2.63 | 4.23 | 14.2 | 2 | 52 |
| phenanthrene | 6.65 | 6.73 | 4.20 | 2.84 | 0.10 | 1.05 | 4.74 | 22.57 | 28.15 | 14.2 | 0 | 52 |
| pp_DDD | 6.52 | 15.03 | 2.08 | 3.42 | 0.50 | 0.50 | 2.00 | 36.60 | 80.00 | 14.2 | 6 | 52 |
| pp_DDE | 34.42 | 19.76 | 28.01 | 2.09 | 2.00 | 6.20 | 32.00 | 62.80 | 110.00 | 14.2 | 0 | 52 |
| pp_DDT | 8.10 | 4.22 | 7.18 | 1.65 | 2.00 | 2.60 | 7.00 | 16.40 | 24.00 | 14.2 | 0 | 52 |
| pyrene | 1.81 | 2.41 | 0.81 | 3.98 | 0.05 | 0.12 | 0.94 | 6.19 | 13.01 | 14.2 | 0 | 52 |

FI0096R Pallas Finland

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HCB | 38.02 | 13.50 | 35.24 | 1.50 | 16.00 | 16.00 | 38.00 | 56.00 | 59.00 | 23.0 | 0 | 12 |
| PCB_101 | 0.867 | 0.543 | 0.753 | 1.694 | 0.381 | 0.381 | 0.631 | 1.966 | 1.986 | 23.0 | 0 | 12 |
| PCB_118 | 0.195 | 0.129 | 0.115 | 5.932 | 0.001 | 0.001 | 0.142 | 0.409 | 0.469 | 23.0 | 1 | 12 |
| PCB_138 | 0.243 | 0.196 | 0.152 | 4.326 | 0.002 | 0.002 | 0.173 | 0.612 | 0.718 | 23.0 | 1 | 12 |
| PCB_153 | 0.326 | 0.304 | 0.170 | 6.885 | 0.001 | 0.001 | 0.233 | 0.880 | 1.129 | 23.0 | 1 | 12 |
| PCB_180 | 0.179 | 0.343 | 0.064 | 4.666 | 0.005 | 0.005 | 0.071 | 0.655 | 1.245 | 23.0 | 2 | 12 |
| PCB_28 | 2.065 | 1.485 | 1.732 | 1.785 | 0.886 | 0.886 | 1.382 | 4.803 | 5.782 | 23.0 | 0 | 12 |
| PCB_52 | 2.270 | 1.591 | 1.894 | 1.830 | 0.806 | 0.806 | 1.483 | 5.329 | 5.685 | 23.0 | 0 | 12 |
| alpha_HCH | 18.20 | 14.91 | 11.98 | 2.94 | 2.00 | 2.00 | 16.00 | 43.20 | 51.00 | 23.0 | 0 | 12 |
| anthracene | 0.00 | 0.00 | 0.00 | 2.17 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 23.0 | 0 | 12 |
| benz_a_anthracene | 0.04 | 0.03 | 0.02 | 4.51 | 0.00 | 0.00 | 0.03 | 0.09 | 0.09 | 23.0 | 0 | 12 |
| benzo_a_pyrene | 0.025 | 0.020 | 0.014 | 4.242 | 0.001 | 0.001 | 0.024 | 0.058 | 0.066 | 23.0 | 0 | 12 |
| benzo_ghi_perylene | 0.01 | 0.01 | 0.00 | 3.28 | 0.00 | 0.00 | 0.00 | 0.03 | 0.03 | 23.0 | 5 | 12 |
| fluoranthene | 0.09 | 0.07 | 0.07 | 2.28 | 0.02 | 0.02 | 0.05 | 0.21 | 0.23 | 23.0 | 0 | 12 |
| gamma_HCH | 7.34 | 7.30 | 5.12 | 2.39 | 1.00 | 1.00 | 4.00 | 22.20 | 24.00 | 23.0 | 0 | 12 |
| inden_123cd_pyrene | 0.01 | 0.01 | 0.01 | 2.11 | 0.01 | 0.01 | 0.01 | 0.03 | 0.03 | 23.0 | 8 | 12 |
| phenanthrene | 0.27 | 0.15 | 0.23 | 1.83 | 0.10 | 0.10 | 0.20 | 0.48 | 0.52 | 23.0 | 0 | 12 |
| pp_DDD | 0.01 | 0.02 | 0.01 | 2.14 | 0.01 | 0.01 | 0.01 | 0.03 | 0.07 | 23.0 | 11 | 12 |
| pp_DDE | 0.56 | 0.30 | 0.46 | 1.95 | 0.11 | 0.11 | 0.52 | 0.95 | 1.15 | 23.0 | 0 | 12 |
| pp_DDT | 0.08 | 0.12 | 0.02 | 6.33 | 0.01 | 0.01 | 0.01 | 0.29 | 0.40 | 23.0 | 8 | 12 |
| pyrene | 0.05 | 0.05 | 0.04 | 2.33 | 0.01 | 0.01 | 0.03 | 0.13 | 0.14 | 23.0 | 0 | 12 |

IS0091R Storhofdi Iceland

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HCB | 3.70 | 1.07 | 3.61 | 1.33 | 1.74 | 1.92 | 3.44 | 5.70 | 6.59 | 100.0 | 0 | 25 |
| PCB_101 | 1.026 | 0.734 | 0.723 | 2.336 | 0.295 | 0.296 | 0.363 | 1.940 | 2.130 | 100.0 | 13 | 25 |
| PCB_105 | 0.24 | 0.05 | 0.23 | 1.28 | 0.09 | 0.11 | 0.23 | 0.30 | 0.30 | 100.0 | 25 | 25 |
| PCB_118 | 0.175 | 0.064 | 0.163 | 1.465 | 0.100 | 0.100 | 0.197 | 0.244 | 0.320 | 100.0 | 23 | 25 |
| PCB_138 | 0.255 | 0.080 | 0.239 | 1.352 | 0.085 | 0.112 | 0.242 | 0.294 | 0.570 | 100.0 | 24 | 25 |
| PCB_153 | 0.214 | 0.030 | 0.208 | 1.217 | 0.085 | 0.112 | 0.215 | 0.239 | 0.245 | 100.0 | 25 | 25 |
| PCB_156 | 0.11 | 0.06 | 0.09 | 1.75 | 0.05 | 0.05 | 0.07 | 0.18 | 0.18 | 100.0 | 25 | 25 |
| PCB_180 | 0.139 | 0.074 | 0.126 | 1.476 | 0.085 | 0.089 | 0.110 | 0.305 | 0.360 | 100.0 | 21 | 25 |
| PCB_28 | 1.948 | 1.196 | 1.870 | 1.531 | 1.270 | 1.279 | 1.623 | 4.402 | 5.620 | 100.0 | 21 | 25 |
| PCB_31 | 1.800 | 0.745 | 1.779 | 1.382 | 1.220 | 1.229 | 1.692 | 3.435 | 4.240 | 100.0 | 23 | 25 |
| PCB_52 | 1.080 | 0.435 | 1.040 | 1.348 | 0.830 | 0.831 | 0.930 | 2.220 | 2.370 | 100.0 | 21 | 25 |
| alpha_HCH | 5.31 | 1.69 | 5.26 | 1.33 | 3.35 | 3.45 | 5.01 | 8.90 | 10.03 | 100.0 | 0 | 25 |
| beta_HCH | 0.44 | 0.17 | 0.38 | 1.84 | 0.04 | 0.08 | 0.52 | 0.59 | 0.60 | 100.0 | 20 | 25 |
| cis_CD | 0.59 | 0.23 | 0.54 | 1.56 | 0.22 | 0.23 | 0.61 | 0.92 | 0.94 | 100.0 | 0 | 25 |
| dieldrin | 0.94 | 0.46 | 0.84 | 1.63 | 0.27 | 0.27 | 0.82 | 1.91 | 2.17 | 100.0 | 2 | 25 |
| gamma_HCH | 3.51 | 1.25 | 3.31 | 1.45 | 1.61 | 1.66 | 3.25 | 5.67 | 5.92 | 100.0 | 0 | 25 |
| op_DDT | 0.09 | 0.05 | 0.08 | 1.55 | 0.05 | 0.05 | 0.09 | 0.12 | 0.27 | 95.8 | 23 | 24 |
| pp_DDD | 0.16 | 0.02 | 0.16 | 1.16 | 0.09 | 0.10 | 0.16 | 0.18 | 0.18 | 95.8 | 24 | 24 |
| pp_DDE | 0.19 | 0.06 | 0.18 | 1.39 | 0.10 | 0.11 | 0.20 | 0.26 | 0.31 | 95.8 | 18 | 24 |
| pp_DDT | 0.30 | 0.21 | 0.21 | 2.31 | 0.04 | 0.05 | 0.12 | 0.58 | 0.59 | 87.4 | 22 | 22 |
| trans_CD | 0.36 | 0.10 | 0.35 | 1.29 | 0.24 | 0.24 | 0.33 | 0.59 | 0.61 | 100.0 | 0 | 25 |
| trans_NO | 0.34 | 0.14 | 0.32 | 1.48 | 0.16 | 0.16 | 0.31 | 0.56 | 0.75 | 100.0 | 0 | 25 |

LT0015R Preila Lithuania

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| benzo_a_pyrene | 0.716 | 0.494 | 0.546 | 2.272 | 0.150 | 0.150 | 0.500 | 1.474 | 1.510 | 100.0 | 0 | 12 |

NO0042G Zeppelin, Spitsbergen Norway

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HCB | 55.85 | 32.31 | 52.34 | 1.37 | 32.20 | 38.89 | 49.77 | 81.03 | 267.00 | 31.9 | 0 | 57 |
| N1methylphenanthrene | 0.01 | 0.01 | 0.00 | 1.89 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 32.6 | 0 | 58 |
| N2methylanthracene | 0.00 | 0.00 | 0.00 | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 32.6 | 45 | 58 |
| N2methylphenanthrene | 0.01 | 0.01 | 0.01 | 1.79 | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 32.6 | 0 | 58 |
| PCB_101 | 0.510 | 0.342 | 0.376 | 2.980 | 0.010 | 0.010 | 0.420 | 0.940 | 2.060 | 31.9 | 4 | 57 |
| PCB_105 | 0.06 | 0.08 | 0.03 | 3.42 | 0.01 | 0.01 | 0.01 | 0.16 | 0.47 | 31.9 | 34 | 57 |
| PCB_114 | 0.01 | 0.01 | 0.01 | 1.68 | 0.01 | 0.01 | 0.01 | 0.05 | 0.07 | 31.9 | 54 | 57 |
| PCB_118 | 0.217 | 0.216 | 0.134 | 3.574 | 0.010 | 0.010 | 0.220 | 0.440 | 1.550 | 31.9 | 10 | 57 |
| PCB_122 | 0.02 | 0.02 | 0.01 | 1.79 | 0.01 | 0.01 | 0.01 | 0.06 | 0.08 | 31.9 | 56 | 57 |
| PCB_123 | 0.01 | 0.02 | 0.01 | 1.71 | 0.01 | 0.01 | 0.01 | 0.06 | 0.08 | 31.9 | 54 | 57 |
| PCB_128 | 0.03 | 0.05 | 0.02 | 2.60 | 0.01 | 0.01 | 0.01 | 0.21 | 0.21 | 31.9 | 43 | 57 |
| PCB_138 | 0.198 | 0.327 | 0.086 | 4.486 | 0.010 | 0.010 | 0.200 | 0.420 | 2.350 | 31.9 | 16 | 57 |
| PCB_141 | 0.04 | 0.07 | 0.02 | 2.75 | 0.01 | 0.01 | 0.01 | 0.12 | 0.49 | 31.9 | 38 | 57 |
| PCB_149 | 0.234 | 0.236 | 0.155 | 3.122 | 0.010 | 0.010 | 0.200 | 0.500 | 1.710 | 31.9 | 7 | 57 |
| PCB_153 | 0.296 | 0.564 | 0.155 | 3.730 | 0.010 | 0.010 | 0.210 | 0.640 | 4.280 | 31.9 | 9 | 57 |
| PCB_156 | 0.02 | 0.03 | 0.01 | 2.05 | 0.01 | 0.01 | 0.01 | 0.08 | 0.11 | 31.9 | 51 | 57 |
| PCB_157 | 0.02 | 0.02 | 0.01 | 1.98 | 0.01 | 0.01 | 0.01 | 0.07 | 0.10 | 31.9 | 53 | 57 |
| PCB_167 | 0.02 | 0.02 | 0.01 | 1.94 | 0.01 | 0.01 | 0.01 | 0.06 | 0.08 | 31.9 | 53 | 57 |
| PCB_170 | 0.07 | 0.07 | 0.03 | 3.34 | 0.01 | 0.01 | 0.03 | 0.24 | 0.27 | 31.9 | 31 | 57 |
| PCB_18 | 3.286 | 2.863 | 2.867 | 1.553 | 1.450 | 1.450 | 2.760 | 4.610 | 23.200 | 31.9 | 0 | 57 |
| PCB_180 | 0.087 | 0.108 | 0.036 | 4.054 | 0.010 | 0.010 | 0.010 | 0.190 | 0.560 | 31.9 | 33 | 57 |
| PCB_183 | 0.03 | 0.05 | 0.02 | 2.55 | 0.01 | 0.01 | 0.01 | 0.11 | 0.33 | 31.9 | 46 | 57 |
| PCB_187 | 0.06 | 0.10 | 0.02 | 3.33 | 0.01 | 0.01 | 0.01 | 0.13 | 0.65 | 31.9 | 37 | 57 |
| PCB_189 | 0.04 | 0.08 | 0.01 | 2.85 | 0.01 | 0.01 | 0.01 | 0.25 | 0.30 | 31.9 | 55 | 57 |
| PCB_194 | 0.04 | 0.09 | 0.01 | 2.81 | 0.01 | 0.01 | 0.01 | 0.27 | 0.36 | 31.9 | 53 | 57 |
| PCB_206 | 0.05 | 0.12 | 0.02 | 3.16 | 0.01 | 0.01 | 0.01 | 0.36 | 0.48 | 31.9 | 57 | 57 |
| PCB_209 | 0.03 | 0.07 | 0.01 | 2.67 | 0.01 | 0.01 | 0.01 | 0.23 | 0.30 | 31.9 | 57 | 57 |
| PCB_28 | 2.919 | 3.322 | 2.298 | 1.811 | 1.140 | 1.140 | 1.795 | 5.195 | 25.400 | 31.9 | 0 | 57 |
| PCB_31 | 2.692 | 3.011 | 2.133 | 1.790 | 1.120 | 1.120 | 1.690 | 4.745 | 23.000 | 31.9 | 0 | 57 |
| PCB_33 | 2.54 | 3.02 | 1.95 | 1.86 | 0.85 | 0.96 | 1.63 | 4.65 | 23.00 | 31.9 | 0 | 57 |
| PCB_37 | 0.38 | 0.52 | 0.20 | 3.78 | 0.01 | 0.01 | 0.20 | 0.80 | 3.81 | 31.9 | 7 | 57 |
| PCB_47 | 0.71 | 0.76 | 0.41 | 4.38 | 0.01 | 0.01 | 0.54 | 1.22 | 5.70 | 31.9 | 7 | 57 |
| PCB_52 | 1.233 | 0.838 | 0.988 | 2.629 | 0.010 | 0.605 | 1.070 | 1.780 | 6.580 | 31.9 | 2 | 57 |
| PCB_60 | 0.09 | 0.09 | 0.06 | 2.83 | 0.01 | 0.01 | 0.10 | 0.21 | 0.62 | 31.9 | 13 | 57 |
| PCB_66 | 0.44 | 0.41 | 0.27 | 3.80 | 0.01 | 0.01 | 0.42 | 0.76 | 3.06 | 31.9 | 7 | 57 |
| PCB_74 | 0.22 | 0.20 | 0.15 | 3.02 | 0.01 | 0.01 | 0.17 | 0.32 | 1.52 | 31.9 | 7 | 57 |
| PCB_99 | 0.17 | 0.13 | 0.12 | 2.81 | 0.01 | 0.01 | 0.14 | 0.43 | 0.87 | 31.9 | 7 | 57 |
| acenaphtene | 0.01 | 0.00 | 0.00 | 2.06 | 0.00 | 0.00 | 0.00 | 0.02 | 0.02 | 32.6 | 0 | 58 |
| acenaphtylene | 0.00 | 0.01 | 0.00 | 2.30 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 32.6 | 2 | 58 |
| alpha_HCH | 26.43 | 8.08 | 25.30 | 1.32 | 15.70 | 16.59 | 25.20 | 37.07 | 61.38 | 31.9 | 0 | 57 |
| anthanthrene | 0.00 | 0.00 | 0.00 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.6 | 46 | 58 |
| anthracene | 0.00 | 0.01 | 0.00 | 2.20 | 0.00 | 0.00 | 0.00 | 0.01 | 0.04 | 32.6 | 1 | 58 |
| benz_a_anthracene | 0.00 | 0.01 | 0.00 | 2.69 | 0.00 | 0.00 | 0.00 | 0.01 | 0.06 | 32.6 | 18 | 58 |
| benzo_a_pyrene | 0.003 | 0.006 | 0.002 | 2.370 | 0.001 | 0.001 | 0.001 | 0.013 | 0.037 | 32.6 | 34 | 58 |
| benzo_e_pyrene | 0.00 | 0.01 | 0.00 | 2.91 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 32.6 | 24 | 58 |
| benzo_ghi_perylene | 0.01 | 0.01 | 0.00 | 3.11 | 0.00 | 0.00 | 0.00 | 0.03 | 0.06 | 32.6 | 20 | 58 |
| biphenyl | 0.55 | 1.13 | 0.15 | 5.85 | 0.01 | 0.01 | 0.16 | 1.81 | 7.73 | 32.6 | 0 | 58 |
| chrysene_triphenylene | 0.01 | 0.03 | 0.00 | 4.03 | 0.00 | 0.00 | 0.00 | 0.06 | 0.15 | 32.6 | 1 | 58 |
| cis_CD | 0.84 | 0.20 | 0.82 | 1.28 | 0.47 | 0.53 | 0.84 | 1.21 | 1.35 | 31.9 | 0 | 57 |
| cis_NO | 0.09 | 0.04 | 0.07 | 1.77 | 0.02 | 0.03 | 0.08 | 0.14 | 0.23 | 31.9 | 0 | 57 |
| coronene | 0.00 | 0.00 | 0.00 | 1.94 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 32.6 | 44 | 58 |
| dibenzo_ac_ah_anthracenes | 0.00 | 0.00 | 0.00 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 32.6 | 44 | 58 |
| dibenzofuran | 0.77 | 1.45 | 0.25 | 5.01 | 0.02 | 0.02 | 0.29 | 2.83 | 9.70 | 32.6 | 0 | 58 |
| dibenzothiophene | 0.01 | 0.01 | 0.00 | 2.87 | 0.00 | 0.00 | 0.00 | 0.03 | 0.04 | 32.6 | 0 | 58 |
| fluoranthene | 0.03 | 0.06 | 0.01 | 2.83 | 0.00 | 0.01 | 0.01 | 0.14 | 0.35 | 32.6 | 0 | 58 |
| fluorene | 0.31 | 0.88 | 0.08 | 4.96 | 0.01 | 0.01 | 0.05 | 1.16 | 6.48 | 32.6 | 0 | 58 |
| gamma_HCH | 7.59 | 4.34 | 6.80 | 1.57 | 3.37 | 3.84 | 6.50 | 18.13 | 23.14 | 31.9 | 0 | 57 |
| inden_123cd_pyrene | 0.01 | 0.01 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.02 | 0.07 | 32.6 | 36 | 58 |
| naphtalene | 0.77 | 1.51 | 0.30 | 3.89 | 0.04 | 0.04 | 0.31 | 2.54 | 9.44 | 32.6 | 0 | 58 |
| op_DDD | 0.02 | 0.02 | 0.01 | 1.99 | 0.01 | 0.01 | 0.01 | 0.05 | 0.10 | 31.9 | 14 | 57 |
| op_DDE | 0.11 | 0.10 | 0.07 | 2.98 | 0.01 | 0.01 | 0.06 | 0.30 | 0.40 | 31.9 | 0 | 57 |
| op_DDT | 0.26 | 0.19 | 0.20 | 2.21 | 0.05 | 0.05 | 0.20 | 0.60 | 0.85 | 31.9 | 0 | 57 |
| perylene | 0.00 | 0.00 | 0.00 | 1.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 32.6 | 42 | 58 |
| phenanthrene | 0.06 | 0.08 | 0.04 | 2.22 | 0.01 | 0.01 | 0.03 | 0.21 | 0.45 | 32.6 | 0 | 58 |
| pp_DDD | 0.03 | 0.06 | 0.02 | 2.78 | 0.00 | 0.01 | 0.01 | 0.11 | 0.35 | 31.9 | 16 | 57 |
| pp_DDE | 0.92 | 2.12 | 0.42 | 3.28 | 0.06 | 0.08 | 0.48 | 2.21 | 15.77 | 31.9 | 0 | 57 |
| pp_DDT | 0.14 | 0.14 | 0.10 | 2.13 | 0.03 | 0.03 | 0.10 | 0.32 | 0.85 | 31.9 | 0 | 57 |
| pyrene | 0.02 | 0.04 | 0.01 | 2.93 | 0.00 | 0.00 | 0.01 | 0.09 | 0.24 | 32.6 | 0 | 58 |
| trans_CD | 0.37 | 0.24 | 0.31 | 1.93 | 0.09 | 0.13 | 0.29 | 0.85 | 1.02 | 31.9 | 0 | 57 |
| trans_NO | 0.69 | 0.20 | 0.66 | 1.32 | 0.37 | 0.42 | 0.67 | 1.08 | 1.21 | 31.9 | 0 | 57 |

NO0099R Lista Norway

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HCB | 57.32 | 15.89 | 55.36 | 1.30 | 32.61 | 37.39 | 55.08 | 84.20 | 114.84 | 14.2 | 0 | 52 |
| alpha_HCH | 16.68 | 11.36 | 13.99 | 1.79 | 5.28 | 5.94 | 14.55 | 36.11 | 64.20 | 14.2 | 0 | 52 |
| gamma_HCH | 12.41 | 9.27 | 9.65 | 2.07 | 2.00 | 2.88 | 10.35 | 28.83 | 49.26 | 14.2 | 0 | 52 |

SE0012R Aspvreten Sweden

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB_101 | 1.381 | 1.065 | 1.075 | 2.040 | 0.325 | 0.325 | 0.955 | 3.375 | 3.799 | 21.9 | 0 | 12 |
| PCB_118 | 0.469 | 0.337 | 0.376 | 1.958 | 0.120 | 0.120 | 0.354 | 1.035 | 1.289 | 21.9 | 0 | 12 |
| PCB_138 | 0.536 | 0.335 | 0.456 | 1.772 | 0.171 | 0.171 | 0.480 | 1.147 | 1.338 | 21.9 | 0 | 12 |
| PCB_153 | 0.661 | 0.431 | 0.559 | 1.805 | 0.199 | 0.199 | 0.568 | 1.471 | 1.680 | 21.9 | 0 | 12 |
| PCB_180 | 0.157 | 0.084 | 0.142 | 1.606 | 0.075 | 0.075 | 0.131 | 0.316 | 0.336 | 21.9 | 0 | 12 |
| PCB_28 | 1.309 | 0.441 | 1.240 | 1.469 | 0.518 | 0.518 | 1.260 | 1.866 | 2.068 | 21.9 | 0 | 12 |
| PCB_52 | 1.352 | 0.568 | 1.249 | 1.523 | 0.514 | 0.514 | 1.130 | 2.239 | 2.713 | 21.9 | 0 | 12 |
| alpha_HCH | 16.71 | 9.27 | 13.94 | 1.88 | 6.00 | 6.00 | 14.00 | 29.60 | 32.00 | 21.9 | 0 | 12 |
| anthracene | 0.01 | 0.01 | 0.00 | 4.42 | 0.00 | 0.00 | 0.00 | 0.02 | 0.03 | 21.9 | 7 | 12 |
| benz_a_anthracene | 0.03 | 0.06 | 0.01 | 6.44 | 0.00 | 0.00 | 0.01 | 0.12 | 0.20 | 21.9 | 1 | 12 |
| benzo_a_pyrene | 0.061 | 0.120 | 0.010 | 13.334 | 0.001 | 0.001 | 0.009 | 0.272 | 0.405 | 21.9 | 3 | 12 |
| benzo_ghi_perylene | 0.06 | 0.09 | 0.01 | 15.38 | 0.00 | 0.00 | 0.00 | 0.22 | 0.25 | 21.9 | 5 | 12 |
| fluoranthene | 0.66 | 0.75 | 0.41 | 3.20 | 0.09 | 0.09 | 0.38 | 1.94 | 2.49 | 21.9 | 0 | 12 |
| gamma_HCH | 12.69 | 9.49 | 9.57 | 2.17 | 2.00 | 2.00 | 8.00 | 26.60 | 35.00 | 21.9 | 0 | 12 |
| inden_123cd_pyrene | 0.19 | 0.49 | 0.01 | 19.50 | 0.00 | 0.00 | 0.00 | 0.79 | 1.71 | 21.9 | 5 | 12 |
| phenanthrene | 1.43 | 1.04 | 1.25 | 1.92 | 0.63 | 0.63 | 0.90 | 2.99 | 3.89 | 21.9 | 0 | 12 |
| pp_DDE | 1.75 | 1.40 | 1.54 | 1.93 | 0.53 | 0.53 | 1.60 | 3.98 | 5.68 | 21.9 | 0 | 12 |
| pyrene | 0.21 | 0.29 | 0.13 | 3.81 | 0.00 | 0.00 | 0.06 | 0.71 | 0.90 | 21.9 | 1 | 12 |

SE0014R Råö Sweden

January 2002 - December 2002

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 5% | 50% | 95% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB_101 | 3.216 | 3.234 | 2.282 | 2.180 | 0.540 | 0.730 | 1.916 | 10.637 | 15.028 | 95.6 | 0 | 50 |
| PCB_118 | 1.078 | 1.162 | 0.732 | 2.268 | 0.236 | 0.246 | 0.606 | 3.737 | 5.380 | 95.6 | 0 | 50 |
| PCB_138 | 2.559 | 3.029 | 1.646 | 2.418 | 0.325 | 0.433 | 1.420 | 8.411 | 15.540 | 95.6 | 0 | 50 |
| PCB_153 | 2.897 | 3.298 | 1.924 | 2.331 | 0.432 | 0.530 | 1.617 | 9.276 | 16.798 | 95.6 | 0 | 50 |
| PCB_180 | 0.975 | 1.156 | 0.622 | 2.474 | 0.145 | 0.153 | 0.558 | 2.890 | 6.217 | 95.6 | 0 | 50 |
| PCB_28 | 2.518 | 1.370 | 2.230 | 1.616 | 0.861 | 1.080 | 2.096 | 5.667 | 6.735 | 95.6 | 0 | 50 |
| PCB_52 | 3.405 | 2.373 | 2.790 | 1.845 | 0.988 | 1.162 | 2.562 | 9.061 | 10.311 | 95.6 | 0 | 50 |
| alpha_HCH | 13.23 | 7.00 | 11.76 | 1.62 | 5.00 | 6.00 | 12.00 | 27.20 | 37.00 | 84.1 | 0 | 44 |
| anthracene | 0.02 | 0.03 | 0.01 | 3.35 | 0.00 | 0.00 | 0.01 | 0.07 | 0.16 | 97.5 | 0 | 51 |
| benz_a_anthracene | 0.05 | 0.09 | 0.03 | 3.40 | 0.00 | 0.00 | 0.03 | 0.13 | 0.57 | 97.5 | 0 | 51 |
| benzo_a_pyrene | 0.063 | 0.117 | 0.029 | 3.465 | 0.002 | 0.003 | 0.027 | 0.173 | 0.756 | 97.5 | 0 | 51 |
| benzo_ghi_perylene | 0.07 | 0.11 | 0.03 | 3.67 | 0.00 | 0.00 | 0.03 | 0.20 | 0.66 | 97.5 | 1 | 51 |
| fluoranthene | 0.34 | 0.44 | 0.22 | 2.50 | 0.03 | 0.05 | 0.20 | 0.81 | 2.92 | 97.5 | 0 | 51 |
| gamma_HCH | 11.62 | 9.78 | 8.90 | 2.02 | 3.00 | 3.15 | 8.00 | 34.95 | 42.00 | 82.2 | 0 | 43 |
| inden_123cd_pyrene | 0.07 | 0.12 | 0.03 | 5.22 | 0.00 | 0.00 | 0.03 | 0.19 | 0.83 | 97.5 | 6 | 51 |
| phenanthrene | 0.91 | 0.86 | 0.66 | 2.20 | 0.11 | 0.17 | 0.61 | 2.26 | 5.00 | 97.5 | 0 | 51 |
| pp_DDD | 0.29 | 0.23 | 0.21 | 2.39 | 0.02 | 0.05 | 0.22 | 0.73 | 0.89 | 84.1 | 5 | 44 |
| pp_DDE | 2.82 | 1.47 | 2.31 | 2.20 | 0.05 | 0.91 | 2.54 | 5.03 | 6.89 | 84.1 | 1 | 44 |
| pp_DDT | 1.54 | 1.32 | 1.06 | 2.48 | 0.18 | 0.26 | 1.22 | 3.89 | 6.23 | 84.1 | 0 | 44 |
| pyrene | 0.23 | 0.31 | 0.13 | 2.75 | 0.02 | 0.03 | 0.12 | 0.59 | 1.95 | 97.5 | 0 | 51 |

# Annex 5

# Monthly and annual mean values for heavy metals in precipitation

| Site | Component | | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IE0001R | aluminium | | precip | 25 | 25 | 25 | 20 | 12 | 25 | 25 | 14 | 16 | 25 | 5 | 7 | 18 |
| IE0002R | aluminium | | precip | 64 | 25 | 42 | 25 | 10 | 25 | 39 | 18 | 55 | 97 | 19 | 16 | 37 |
| IS0090R | aluminium | | precip | 134 | 645 | 518 | 244 | 697 | 1521 | 260 | 47 | 31 | 111 | 676 | 77 | 312 |
| IS0091R | aluminium | | precip | 326 | 1303 | 302 | 56 | 461 | 2002 | 159 | 13 | 10 | 42 | 295 | 57 | 220 |
| BE0004R | arsenic | wet-only | precip | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 |
| BE0004R | arsenic | bulk | precip | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 |
| DE0001R | arsenic | | precip | 0.099 | 0.2 | 0.325 | 0.197 | 0.174 | 0.109 | 0.068 | 0.26 | 0.148 | 0.086 | 0.112 | 0.302 | 0.153 |
| DE0002R | arsenic | bulk | precip | 0.087 | 0.089 | 0.179 | 0.219 | 0.266 | 0.246 | 0.094 | 0.144 | 0.107 | 0.086 | 0.226 | 0.182 | 0.148 |
| DE0002R | arsenic | wet-only | precip | 0.064 | 0.095 | 0.116 | 0.225 | 0.222 | 0.149 | 0.08 | 0.119 | 0.079 | 0.092 | 0.204 | 0.161 | 0.129 |
| DE0004R | arsenic | | precip | 0.07 | 0.058 | 0.067 | 0.091 | 0.104 | 0.104 | 0.121 | 0.134 | 0.13 | 0.081 | 0.052 | 0.036 | 0.084 |
| DE0009R | arsenic | | precip | 0.069 | 0.083 | 0.108 | 0.215 | 0.548 | 0.056 | 0.122 | 0.088 | 0.083 | 0.103 | 0.158 | 0.098 | 0.136 |
| DK0008R | arsenic | | precip | 0.336 | 0.383 | 0.343 | 0.564 | 0.379 | 0.208 | 0.091 | 0.277 | 0.207 | 0.181 | 0.236 | 0.472 | 0.266 |
| DK0020R | arsenic | | precip | 0.083 | 0.103 | 0.13 | 0.345 | 0.536 | 0.114 | 0.088 | 0.297 | 0.103 | 0.137 | 0.297 | 0.297 | 0.18 |
| DK0031R | arsenic | | precip | 0.091 | 0.064 | 0.114 | 0.177 | 0.127 | 0.103 | 0.071 | 0.272 | 0.241 | 0.104 | 0.107 | 0.162 | 0.113 |
| EE0009R | arsenic | | precip | 0.4 | 0.1 | 0.1 | 0.6 | 0.1 | 0.1 | 0.2 | 0.1 | 0.4 | 0.2 | 0.1 | 0.7 | 0.194 |
| EE0011R | arsenic | | precip | 0.1 | - | - | - | - | 0.1 | 0.1 | - | 0.1 | - | 0.1 | 0.1 | 0.1 |
| FI0008R | arsenic | | precip | 0.062 | 0.007 | 0.054 | - | 0.003 | 0.425 | 0.057 | 0.008 | 0.062 | 0.075 | 0.016 | 0.024 | 0.067 |
| FI0009R | arsenic | | precip | 0.159 | 1.069 | 0.951 | 0.383 | 0.042 | 0.101 | 0.096 | 0.008 | 0.846 | 0.471 | 0.252 | 0.849 | 0.252 |
| FI0017R | arsenic | | precip | 0.298 | 0.2 | 0.403 | 0.003 | 0.199 | 0.003 | 0.047 | 0.451 | 0.218 | 0.219 | 0.058 | 0.688 | 0.127 |
| FI0022R | arsenic | | precip | 0.041 | 0.059 | 0.29 | - | 0.003 | 0.014 | 0.016 | 0.408 | 0.104 | 0.143 | 0.057 | 0.073 | 0.101 |
| FI0036R | arsenic | | precip | 0.037 | 0.003 | 0.185 | 0.467 | 0.003 | 0.046 | 0.003 | 0.003 | 0.141 | 0.062 | 0.017 | 0.033 | 0.055 |
| FI0053R | arsenic | | precip | 0.06 | 0.058 | 0.247 | 0.067 | 0.003 | 0.003 | 0.003 | 0.003 | 0.079 | 0.197 | 0.06 | 0.085 | 0.042 |
| FI0092R | arsenic | | precip | 0.037 | 0.032 | 0.051 | 0.074 | 0.003 | 0.003 | 0.003 | 0.003 | 0.055 | 0.064 | 0.003 | 0.052 | 0.024 |
| FI0093R | arsenic | | precip | 0.107 | 0.053 | 0.057 | - | 0.048 | 0.017 | 0.003 | 0.003 | 0.067 | 0.108 | 0.003 | 0.135 | 0.043 |
| FR0090R | arsenic | | precip | 0.15 | 0.77 | 0.35 | 0.55 | 0.34 | 0.64 | 0.03 | 0.01 | 0.8 | 0.15 | 0.35 | 0.79 | 0.433 |
| GB0014R | arsenic | | precip | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.14 | 0.083 | 0.12 | 0.142 | 0.171 | 0.26 | 0.263 |
| GB0090R | arsenic | | precip | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.221 | 0.049 | 0.064 | 0.042 | 0.095 | 0.198 | 0.27 |
| GB0091R | arsenic | | precip | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.15 | 0.049 | 0.063 | 0.067 | 0.11 | 0.207 | 0.226 |
| IE0001R | arsenic | | precip | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| IE0002R | arsenic | | precip | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| IS0090R | arsenic | | precip | 0.095 | 0.096 | 0.027 | 0.114 | 0.065 | 0.119 | 0.114 | 0.675 | 0.044 | 0.049 | 0.144 | 0.119 | 0.161 |
| LV0010R | arsenic | | precip | - | 0.13 | 0.2 | 1.36 | 1.1 | 0.5 | - | - | 0.53 | 0.25 | 0.91 | 0.87 | 0.489 |
| LV0016R | arsenic | | precip | - | 0.06 | 0.13 | 0.26 | 2.01 | 0.09 | - | 0.64 | 0.73 | 0.13 | 0.85 | 0.92 | 0.489 |
| NL0009R | arsenic | | precip | 0.125 | 0.193 | 0.319 | 0.206 | 0.17 | 0.18 | 0.183 | 0.209 | 0.43 | - | 0.16 | 0.16 | 0.212 |
| NL0091R | arsenic | | precip | 0.075 | 0.123 | 0.136 | 0.075 | 0.155 | 0.087 | 0.142 | 0.075 | 0.075 | 0.075 | 0.075 | 0.075 | 0.094 |
| NO0047R | arsenic | | precip | 0.718 | 1.661 | 1.205 | 3.069 | 0.174 | 1.146 | 3.625 | 0.953 | 0.648 | 0.286 | 0.251 | 0.3 | 1.255 |
| NO0099R | arsenic | | precip | 0.214 | 0.206 | 0.427 | 0.301 | 0.266 | 0.323 | 0.304 | 0.249 | 0.356 | 0.233 | 0.232 | 0.543 | 0.287 |
| SE0005R | arsenic | | precip | 0.025 | 0.025 | 0.025 | 0.177 | 0.128 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.04 |
| SE0051R | arsenic | | precip | 0.13 | 0.025 | 0.025 | 0.36 | 0.33 | 0.11 | 0.025 | 0.025 | 0.025 | 0.1 | 0.19 | 0.43 | 0.132 |
| SE0097R | arsenic | | precip | 0.11 | 0.025 | 0.139 | 0.272 | 0.105 | 0.025 | 0.032 | 0.17 | 0.113 | 0.026 | 0.12 | 0.14 | 0.087 |
| SK0002R | arsenic | | precip | 0.25 | 0.52 | 0.25 | 0.51 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.275 |
| SK0004R | arsenic | | precip | 0.59 | 0.25 | 0.63 | 0.63 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 1.25 | 0.25 | 0.294 |
| SK0005R | arsenic | | precip | 0.57 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.258 |
| SK0006R | arsenic | | precip | 0.25 | 0.25 | 0.52 | 0.54 | 1.1 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.322 |

| Site | Component | | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BE0004R | cadmium | wet-only | precip | 0.11 | 0.105 | 0.1 | 0.89 | 0.403 | 0.13 | 0.423 | 0.334 | 1.615 | 0.341 | 1.176 | 3.47 | 0.663 |
| BE0004R | cadmium | bulk | precip | 0.057 | 0.07 | 0.624 | 0.448 | 0.14 | 0.102 | 0.09 | 4.047 | 4.047 | 1.007 | 0.271 | 0.144 | 0.635 |
| CZ0001R | cadmium | | precip | 0.323 | 0.041 | 0.161 | 0.258 | 1.285 | 0.108 | 0.121 | 0.044 | 0.097 | 0.065 | 0.302 | 0.162 | 0.184 |
| CZ0003R | cadmium | | precip | 0.164 | 0.047 | 0.101 | 0.26 | 0.109 | 0.043 | 0.108 | 0.131 | 0.119 | 0.051 | 0.074 | 0.106 | 0.097 |
| DE0001R | cadmium | | precip | 0.027 | 0.029 | 0.049 | 0.064 | 0.051 | 0.033 | 0.021 | 0.08 | 0.033 | 0.019 | 0.034 | 0.089 | 0.039 |
| DE0002R | cadmium | bulk | precip | 0.094 | 0.119 | 0.113 | 0.174 | 0.239 | 0.17 | 0.124 | 0.139 | 0.121 | 0.065 | 0.101 | 0.071 | 0.127 |
| DE0002R | cadmium | wet-only | precip | 0.02 | 0.029 | 0.057 | 0.068 | 0.067 | 0.048 | 0.028 | 0.047 | 0.03 | 0.032 | 0.034 | 0.033 | 0.04 |
| DE0004R | cadmium | | precip | 0.103 | 0.038 | 0.108 | 0.044 | 0.045 | 0.057 | 0.058 | 0.06 | 0.081 | 0.057 | 0.047 | 0.042 | 0.059 |
| DE0009R | cadmium | | precip | 0.039 | 0.031 | 0.045 | 0.08 | 0.094 | 0.021 | 0.034 | 0.036 | 0.042 | 0.03 | 0.044 | 0.048 | 0.041 |
| DK0008R | cadmium | | precip | 0.036 | 0.016 | 0.13 | 0.156 | 0.071 | 0.036 | 0.016 | 0.105 | 0.026 | 0.022 | 0.066 | 0.118 | 0.052 |
| DK0020R | cadmium | | precip | 0.056 | 0.029 | 0.046 | 0.099 | 0.136 | 0.039 | 0.034 | 0.118 | 0.045 | 0.04 | 0.097 | 0.097 | 0.06 |
| DK0031R | cadmium | | precip | 0.029 | 0.019 | 0.037 | 0.039 | 0.028 | 0.029 | 0.025 | 0.199 | 0.039 | 0.019 | 0.022 | 0.021 | 0.034 |
| EE0009R | cadmium | | precip | 0.3 | 0.07 | 0.19 | 0.2 | 0.02 | 0.1 | 0.07 | 0.02 | 0.03 | 0.03 | 0.08 | 0.01 | 0.1 |
| EE0011R | cadmium | | precip | 0.01 | - | - | - | - | 0.04 | 0.04 | - | 0.13 | - | 0.09 | 0.11 | 0.062 |
| FI0008R | cadmium | | precip | 0.004 | 0.006 | 0.016 | - | 0.055 | 0.027 | 0.01 | 0.019 | 0.016 | 0.006 | 0.011 | 0.006 | 0.013 |
| FI0009R | cadmium | | precip | 0.033 | 0.053 | 0.332 | 0.234 | 0.117 | 0.038 | 0.076 | 0.057 | 0.195 | 0.14 | 0.147 | 0.351 | 0.091 |
| FI0017R | cadmium | | precip | 0.069 | 0.044 | 0.171 | 0.058 | 0.144 | 0.016 | 0.057 | 0.167 | 0.033 | 0.124 | 0.098 | 0.152 | 0.066 |
| FI0022R | cadmium | | precip | 0.003 | 0.025 | 0.052 | - | 0.053 | 0.024 | 0.018 | 0.019 | 0.016 | 0.011 | 0.016 | 0.013 | 0.021 |
| FI0036R | cadmium | | precip | 0.004 | 0.008 | 0.083 | 0.164 | 0.057 | 0.007 | 0.008 | 0.005 | 0.056 | 0.017 | 0.012 | 0.034 | 0.023 |
| FI0053R | cadmium | | precip | 0.013 | 0.04 | 0.087 | 0.152 | 0.016 | 0.017 | 0.013 | 0.029 | 0.016 | 0.054 | 0.03 | 0.031 | 0.026 |
| FI0092R | cadmium | | precip | 0.008 | 0.03 | 0.056 | 0.208 | 0.029 | 0.013 | 0.038 | 0.014 | 0.013 | 0.118 | 0.038 | 0.02 | 0.03 |
| FI0093R | cadmium | | precip | 0.019 | 0.033 | 0.041 | - | 0.053 | 0.014 | 0.024 | 0.019 | 0.014 | 0.043 | 0.044 | 0.062 | 0.031 |
| FR0090R | cadmium | | precip | 0.04 | 0.04 | 0.03 | 0.06 | 0.03 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.02 | 0.01 | 0.029 |
| GB0014R | cadmium | | precip | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.115 | 0.026 | 0.03 | 0.046 | 0.064 | 0.073 | 0.091 |
| GB0090R | cadmium | | precip | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.111 | 0.13 | 0.072 | 0.045 | 0.032 | 0.214 | 0.121 |
| GB0091R | cadmium | | precip | 0.15 | 0.806 | 0.9 | 0.913 | 0.4 | 0.17 | 0.077 | 0.053 | 0.059 | 0.048 | 0.039 | 0.067 | 0.16 |
| IE0001R | cadmium | | precip | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| IE0002R | cadmium | | precip | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| IS0090R | cadmium | | precip | 0.005 | 0.006 | 0.008 | 0.032 | 0.009 | 0.011 | 0.022 | 0.007 | 0.005 | 0.007 | 0.005 | 0.005 | 0.009 |
| IS0091R | cadmium | | precip | 0.008 | 0.021 | 0.042 | 0.029 | 0.01 | 0.013 | 0.029 | 0.005 | 0.013 | 0.006 | 0.008 | 0.007 | 0.015 |
| LT0015R | cadmium | | precip | 0.137 | 0.165 | 0.215 | 0.875 | 0.200 | 0.074 | 0.110 | 1.696 | 0.083 | 0.717 | 0.687 | 2.427 | 0.509 |
| LV0010R | cadmium | | precip | - | 0.09 | 0.12 | 0.17 | 0.1 | 0.16 | - | - | 0.03 | 0.02 | 0.06 | 0.22 | 0.09 |
| LV0016R | cadmium | | precip | - | 0.03 | 0.05 | 0.06 | 0.03 | 0.09 | - | 0.16 | 0.04 | 0.05 | 0.07 | 0.92 | 0.115 |
| NL0009R | cadmium | | precip | 0.078 | 0.057 | 0.051 | 0.079 | 0.07 | 0.018 | 0.029 | 0.054 | 0.06 | - | - | - | 0.054 |
| NL0091R | cadmium | | precip | 0.054 | 0.032 | 0.027 | 0.082 | 0.08 | 0.024 | 0.091 | 0.045 | 0.048 | 0.043 | 0.058 | 0.058 | 0.051 |
| NO0001R | cadmium | | precip | 0.024 | 0.011 | 0.06 | 0.052 | 0.037 | 0.026 | 0.029 | 0.069 | 0.058 | 0.028 | 0.023 | 0.044 | 0.034 |
| NO0039R | cadmium | | precip | 0.007 | 0.006 | 0.018 | 0.03 | 0.018 | 0.008 | 0.029 | 0.064 | 0.017 | 0.019 | 0.019 | 0.003 | 0.018 |
| NO0041R | cadmium | | precip | 0.01 | 0.029 | 0.086 | 0.102 | 0.032 | 0.012 | 0.01 | 0.035 | 0.057 | 0.02 | 0.016 | 0.033 | 0.029 |
| NO0047R | cadmium | | precip | 0.065 | 0.176 | 0.105 | 0.194 | 0.021 | 0.047 | 0.067 | 0.048 | 0.038 | 0.014 | 0.051 | 0.009 | 0.054 |
| NO0055R | cadmium | | precip | 0.018 | 0.007 | 0.017 | 0.052 | 0.079 | 0.012 | 0.012 | 0.096 | 0.017 | 0.03 | 0.071 | 0.022 | 0.033 |
| NO0056R | cadmium | | precip | 0.016 | 0.019 | 0.038 | 0.034 | 0.042 | 0.011 | 0.038 | 0.068 | 0.017 | 0.01 | 0.02 | 0.024 | 0.026 |
| NO0099R | cadmium | | precip | 0.024 | 0.017 | 0.036 | 0.029 | 0.043 | 0.045 | 0.027 | 0.065 | 0.023 | 0.016 | 0.04 | 0.11 | 0.033 |
| PL0004R | cadmium | | precip | 0.05 | 0.06 | 0.09 | 0.11 | 0.07 | 0.03 | 0.02 | 0.11 | 0.04 | 0.03 | 0.04 | 0.08 | 0.051 |
| PL0005R | cadmium | | precip | 0.153 | 0.15 | 0.15 | 0.15 | 0.343 | 0.582 | 0.314 | 0.641 | 0.296 | 0.631 | 0.214 | 0.277 | 0.385 |
| PT0001R | cadmium | | precip | 0.425 | 0.425 | 0.426 | 0.425 | - | 0.53 | - | - | 0.425 | 0.425 | 0.5 | 0.543 | 0.48 |
| PT0003R | cadmium | | precip | 0.425 | 0.425 | 0.425 | 0.425 | 0.425 | 0.425 | 0.425 | - | 0.425 | 0.425 | 0.425 | 0.425 | 0.425 |
| PT0004R | cadmium | | precip | 0.425 | 0.425 | 0.425 | 0.425 | 0.425 | 0.425 | - | - | 0.425 | 0.425 | 0.425 | 0.425 | 0.425 |
| PT0010R | cadmium | | precip | 0.425 | 0.425 | 0.425 | 0.425 | 0.425 | 0.425 | - | 0.425 | 0.425 | 0.425 | 0.428 | 0.425 | 0.425 |

| Site | Component | | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SE0005R | cadmium | | precip | 0.019 | 0.005 | 0.04 | 0.1 | 0.155 | 0.005 | 0.006 | 0.02 | 0.006 | 0.03 | 0.03 | 0.049 | 0.03 |
| SE0051R | cadmium | | precip | 0.03 | 0.005 | 0.06 | 0.2 | 0.1 | 0.01 | 0.02 | 0.038 | 0.005 | 0.04 | 0.05 | 0.17 | 0.048 |
| SE0097R | cadmium | | precip | 0.01 | 0.02 | 0.044 | 0.07 | 0.036 | 0.033 | 0.009 | 0.09 | 0.049 | 0.03 | 0.03 | 0.06 | 0.034 |
| SK0002R | cadmium | | precip | 0.41 | 0.37 | 0.39 | 0.46 | 0.41 | 1.02 | 0.51 | 0.55 | 0.65 | 0.18 | 0.31 | 0.33 | 0.512 |
| SK0004R | cadmium | | precip | 0.74 | 0.32 | 0.41 | 0.22 | 0.21 | 0.39 | 0.09 | 0.16 | 0.45 | 0.27 | 0.58 | 0.37 | 0.249 |
| SK0005R | cadmium | | precip | 0.11 | 0.06 | 0.22 | 0.15 | 0.11 | 0.08 | 0.08 | 0.09 | 0.13 | 0.06 | 0.08 | 0.08 | 0.098 |
| SK0006R | cadmium | | precip | 0.14 | 0.19 | 0.2 | 0.15 | 0.6 | 0.08 | 0.09 | 0.09 | 0.09 | 0.08 | 0.29 | 0.26 | 0.15 |
| SK0007R | cadmium | | precip | 0.11 | 0.06 | 0.02 | 0.02 | 0.08 | 0.12 | 0.14 | 0.06 | 0.05 | 0.02 | 0.07 | 0.25 | 0.082 |
| BE0004R | chromium | wet-only | precip | 0.805 | 0.805 | 0.969 | 0.92 | 1.234 | 1.379 | 0.4 | 0.431 | 1.138 | 2.566 | 2.862 | 1.19 | 1.299 |
| DE0001R | chromium | | precip | 0.062 | 0.132 | 0.232 | 0.117 | 0.133 | 0.066 | 0.083 | 0.192 | 0.15 | 0.078 | 0.066 | 0.147 | 0.11 |
| DE0002R | chromium | bulk | precip | 0.2 | 0.208 | 0.167 | 0.259 | 0.406 | 0.307 | 0.23 | 0.176 | 0.159 | 0.118 | 0.118 | 0.121 | 0.204 |
| DE0002R | chromium | wet-only | precip | 0.194 | 0.099 | 0.135 | 0.167 | 0.265 | 0.318 | 0.211 | 0.175 | 0.233 | 0.244 | 0.201 | 0.485 | 0.216 |
| DE0004R | chromium | | precip | 0.211 | 0.171 | 0.197 | 0.138 | 0.165 | 0.182 | 0.176 | 0.213 | 0.195 | 0.151 | 0.152 | 0.096 | 0.17 |
| DE0009R | chromium | | precip | 0.107 | 0.091 | 0.101 | 0.122 | 0.268 | 0.044 | 0.113 | 0.1 | 0.121 | 0.068 | 0.213 | 0.06 | 0.114 |
| DK0008R | chromium | | precip | 0.272 | 0.339 | 0.282 | 0.702 | 0.283 | 0.193 | 0.116 | 0.187 | 0.146 | 0.098 | 0.097 | 0.215 | 0.199 |
| DK0020R | chromium | | precip | 0.236 | 0.094 | 0.139 | 0.388 | 0.462 | 0.138 | 0.13 | 0.275 | 0.19 | 0.072 | 0.281 | 0.281 | 0.189 |
| DK0031R | chromium | | precip | 0.087 | 0.062 | 0.111 | 0.185 | 0.104 | 0.114 | 0.101 | 0.345 | 0.281 | 0.348 | 0.077 | 0.149 | 0.151 |
| FI0008R | chromium | | precip | 0.1 | 0.16 | 0.1 | - | 0.16 | 0.07 | 0.03 | 0.34 | 0.09 | 0.3 | 0.1 | 0.11 | 0.1 |
| FI0009R | chromium | | precip | 0.08 | 0.64 | 0.62 | 0.53 | 0.43 | 0.32 | 0.26 | 0.25 | 0.63 | 0.36 | 0.22 | 0.51 | 0.317 |
| FI0017R | chromium | | precip | 0.14 | 0.18 | 0.27 | 0.47 | 0.51 | 0.11 | 0.32 | 1.49 | 0.5 | 0.33 | 0.11 | 0.42 | 0.231 |
| FI0022R | chromium | | precip | 0.01 | 0.19 | 0.25 | - | 0.26 | 0.07 | 0.16 | 0.57 | 0.27 | 0.27 | 0.1 | 0.08 | 0.204 |
| FI0036R | chromium | | precip | 0.05 | 0.07 | 0.1 | 0.43 | 0.2 | 0.11 | 0.04 | 0.15 | 0.14 | 0.2 | 0.1 | 0.14 | 0.11 |
| FI0053R | chromium | | precip | 0.08 | 0.41 | 0.13 | 0.43 | 0.05 | 0.43 | 0.2 | 0.39 | 0.09 | 0.38 | 0.22 | 0.25 | 0.227 |
| FI0092R | chromium | | precip | 0.07 | 0.1 | 0.07 | 0.31 | 0.37 | 0.19 | 0.12 | 0.37 | 0.1 | 0.19 | 0.07 | 0.08 | 0.157 |
| FI0093R | chromium | | precip | 0.03 | 0.2 | 0.02 | - | 0.04 | 0.07 | 0.11 | 0.58 | 0.25 | 0.16 | 0.1 | 0.18 | 0.108 |
| FR0090R | chromium | | precip | 0.26 | 0.16 | 0.12 | 0.23 | 0.15 | 0.25 | 0.25 | 0.15 | 0.38 | 0.15 | 0.05 | 0.06 | 0.154 |
| GB0014R | chromium | | precip | 0.093 | 0.071 | 0.11 | 0.164 | 2.601 | 0.11 | 0.583 | 0.057 | 0.096 | 0.053 | 0.056 | 0.062 | 0.335 |
| GB0090R | chromium | | precip | 0.04 | 0.062 | 0.207 | 0.276 | 0.133 | 0.13 | 0.119 | 0.135 | 0.306 | 0.071 | 0.053 | 0.067 | 0.107 |
| GB0091R | chromium | | precip | 0.05 | 0.035 | 0.15 | 0.154 | 0.09 | 0.044 | 0.041 | 0.042 | 0.061 | 0.056 | 0.057 | 0.083 | 0.065 |
| IE0001R | chromium | | precip | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| IE0002R | chromium | | precip | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 20 | 2 | 0.5 | 0.5 | 0.927 |
| IS0090R | chromium | | precip | 0.697 | 4.208 | 1.096 | 0.535 | 1.023 | 1.224 | 0.396 | 0.089 | 0.05 | 0.311 | 0.394 | 0.086 | 0.765 |
| IS0091R | chromium | | precip | 0.357 | 1.632 | 1.528 | 0.781 | 1.572 | 1.213 | 0.255 | 0.109 | 0.224 | 1.245 | 0.849 | 0.564 | 0.753 |
| NL0009R | chromium | | precip | 0.372 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | - | 0.26 | 0.26 | 0.275 |
| NL0091R | chromium | | precip | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| NO0047R | chromium | | precip | 0.1 | 0.1 | 0.1 | 0.545 | 0.146 | 0.386 | 0.217 | 0.254 | 0.184 | 0.205 | 0.1 | 0.151 | 0.208 |
| NO0099R | chromium | | precip | 0.115 | 0.136 | 0.159 | 0.139 | 0.158 | 0.1 | 0.268 | 0.167 | 0.343 | 0.116 | 0.107 | 0.369 | 0.157 |
| PL0004R | chromium | | precip | 0.12 | 0.1 | 0.19 | 0.25 | 0.08 | 0.05 | 0.11 | 0.15 | 0.3 | 0.16 | 0.14 | 0.21 | 0.138 |
| PL0005R | chromium | | precip | 0.176 | 0.175 | 0.15 | 0.658 | 0.197 | 0.152 | 0.178 | 0.158 | 0.15 | 0.267 | 0.223 | 0.189 | 0.204 |
| SE0005R | chromium | | precip | 0.248 | 0.33 | 0.51 | 0.229 | 0.057 | 0.13 | 0.037 | 0.2 | 0.246 | 0.297 | 0.35 | 0.535 | 0.241 |
| SE0051R | chromium | | precip | 0.14 | 0.31 | 0.33 | 0.41 | 0.1 | 0.41 | 0.43 | 0.397 | 0.2 | 0.13 | 0.14 | 0.3 | 0.223 |
| SE0097R | chromium | | precip | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.058 | 0.219 | 0.21 | 0.283 | 0.221 | 0.331 | 0.37 | 0.125 |
| SK0002R | chromium | | precip | 1.03 | 0.78 | 0.61 | 0.61 | 0.38 | 0.12 | 0.16 | 0.05 | 0.16 | 0.12 | 0.31 | 0.49 | 0.264 |
| SK0004R | chromium | | precip | 0.78 | 0.07 | 0.76 | 0.16 | 0.06 | 0.02 | 0.02 | 0.02 | 0.02 | 0.05 | 0.1 | 0.07 | 0.071 |
| SK0005R | chromium | | precip | 0.21 | 0.19 | 0.13 | 0.19 | 0.07 | 0.04 | 0.15 | 0.02 | 0.05 | 0.02 | 0.11 | 0.09 | 0.078 |
| SK0006R | chromium | | precip | 0.11 | 0.1 | 0.11 | 0.14 | 0.65 | 0.05 | 0.02 | 0.02 | 0.02 | 0.05 | 0.11 | 0.09 | 0.091 |
| SK0007R | chromium | | precip | 1.77 | 1.01 | 0.54 | 0.72 | 0.17 | 1.16 | 1.33 | 0.59 | 2.19 | 0.27 | 0.46 | 0.78 | 0.828 |

| Site | Component | | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DE0001R | cobalt | | precip | 0.011 | 0.025 | 0.026 | 0.047 | 0.046 | 0.032 | 0.013 | 0.034 | 0.023 | 0.009 | 0.011 | 0.026 | 0.022 |
| DE0002R | cobalt | bulk | precip | 0.021 | 0.02 | 0.046 | 0.04 | 0.076 | 0.062 | 0.034 | 0.032 | 0.031 | 0.024 | 0.039 | 0.048 | 0.036 |
| DE0002R | cobalt | wet-only | precip | 0.012 | 0.018 | 0.028 | 0.036 | 0.06 | 0.042 | 0.025 | 0.023 | 0.019 | 0.017 | 0.043 | 0.019 | 0.028 |
| DE0004R | cobalt | | precip | 0.018 | 0.018 | 0.043 | 0.026 | 0.038 | 0.069 | 0.038 | 0.039 | 0.045 | 0.022 | 0.02 | 0.011 | 0.029 |
| DE0009R | cobalt | | precip | 0.015 | 0.016 | 0.026 | 0.032 | 0.066 | 0.016 | 0.023 | 0.023 | 0.028 | 0.013 | 0.093 | 0.022 | 0.03 |
| NO0047R | cobalt | | precip | 0.169 | 0.449 | 0.278 | 1.205 | 0.044 | 0.578 | 0.654 | 0.277 | 0.252 | 0.026 | 0.011 | 0.028 | 0.316 |
| NO0099R | cobalt | | precip | 0.013 | 0.01 | 0.032 | 0.029 | 0.042 | 0.023 | 0.029 | 0.023 | 0.049 | 0.009 | 0.005 | 0.057 | 0.023 |
| SE0097R | cobalt | | precip | 0 | 0 | 0 | 0.027 | 0.011 | 0 | 0.001 | 0.01 | 0.002 | 0 | 0 | 0.03 | 0.003 |
| BE0004R | copper | bulk | precip | 2.09 | 2.09 | 2.09 | 2.09 | 2.09 | 2.09 | 2.09 | 2.09 | 2.09 | - | - | - | 2.09 |
| BE0004R | copper | wet-only | precip | 11.689 | 6.846 | 2.08 | 11.473 | 5.423 | 2.08 | 3.997 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 4.359 |
| DE0001R | copper | | precip | 0.945 | 3.671 | 2.413 | 1.501 | 1.775 | 0.97 | 0.819 | 1.326 | 0.972 | 0.632 | 0.795 | 3.118 | 1.402 |
| DE0002R | copper | bulk | precip | 3.473 | 1.683 | 3.448 | 2.112 | 2.353 | 2.041 | 3.109 | 4.076 | 1.43 | 1.118 | 0.889 | 0.694 | 2.49 |
| DE0002R | copper | wet-only | precip | 0.728 | 1.444 | 1.665 | 1.624 | 2.022 | 1.815 | 0.993 | 1.34 | 2.246 | 1.32 | 0.921 | 1.981 | 1.361 |
| DE0004R | copper | | precip | 3.129 | 1.845 | 3.086 | 1.871 | 2.473 | 1.891 | 2.097 | 2.028 | 1.687 | 1.598 | 1.94 | 1.208 | 2.024 |
| DE0009R | copper | | precip | 5.288 | 1.525 | 3.624 | 5.755 | 5.013 | 1.272 | 2.848 | 1.243 | 9.3 | 1.093 | 1.506 | 4.479 | 2.774 |
| DK0008R | copper | | precip | 0.56 | 1.65 | 0.69 | 4.338 | 1.49 | 0.817 | 0.516 | 1.574 | 0.719 | 0.507 | 0.704 | 0.995 | 0.973 |
| DK0020R | copper | | precip | 0.819 | 0.589 | 0.836 | 1.836 | 1.525 | 0.879 | 0.72 | 3.486 | 0.788 | 0.395 | 0.641 | 0.641 | 0.988 |
| DK0031R | copper | | precip | 0.528 | 0.322 | 0.398 | 0.911 | 0.67 | 0.662 | 0.868 | 3.008 | 0.949 | 0.651 | 0.342 | 0.477 | 0.706 |
| EE0009R | copper | | precip | 6.4 | 2.1 | 2.1 | 0.05 | 0.05 | 2.9 | 6.3 | 3.2 | 2.1 | 4.4 | 3.2 | 15 | 3.961 |
| EE0011R | copper | | precip | 2.8 | - | - | - | - | 20.6 | 6.6 | - | 10.7 | - | 17.1 | 20.55 | 12.126 |
| FI0008R | copper | | precip | 0.82 | 0.38 | 0.94 | - | 1.53 | 0.95 | 0.38 | 0.88 | 0.92 | 0.81 | 1.28 | 1.31 | 0.665 |
| FI0009R | copper | | precip | 0.81 | 2.96 | 4.02 | 4.45 | 2.41 | 1.14 | 0.57 | 1.22 | 2.21 | 2.85 | 2.47 | 6.93 | 1.5 |
| FI0017R | copper | | precip | 0.65 | 0.71 | 1.74 | 0.93 | 2.25 | 0.63 | 0.61 | 4.51 | 5.76 | 2.11 | 1.21 | 3.06 | 1.146 |
| FI0022R | copper | | precip | 1.06 | 0.32 | 1.9 | - | 1.73 | 0.43 | 0.66 | 2.06 | 0.98 | 1.96 | 3.49 | 1.07 | 1.157 |
| FI0036R | copper | | precip | 0.79 | 0.27 | 0.94 | 16.85 | 1.36 | 0.46 | 0.29 | 0.57 | 0.58 | 0.5 | 3.64 | 2.48 | 0.943 |
| FI0053R | copper | | precip | 0.79 | 2.41 | 1.73 | 2.7 | 0.83 | 1.12 | 0.21 | 1.41 | 0.68 | 3.14 | 1.92 | 1.63 | 1.032 |
| FI0092R | copper | | precip | 0.35 | 0.59 | 0.54 | 2.94 | 0.52 | 0.64 | 0.44 | 0.65 | 0.56 | 1.23 | 0.57 | 0.66 | 0.616 |
| FI0093R | copper | | precip | 0.45 | 0.5 | 1.02 | - | 0.66 | 0.29 | 0.41 | 1.42 | 0.81 | 1.41 | 0.52 | 1.87 | 0.603 |
| FR0090R | copper | | precip | 0.65 | 0.54 | 0.44 | 0.66 | 0.45 | 0.6 | 0.7 | 1.5 | 1.8 | 1.1 | 0.8 | 0.7 | 0.683 |
| GB0014R | copper | | precip | 0.884 | 0.523 | 0.66 | 0.823 | 10.244 | 0.79 | 1.529 | 0.327 | 0.8 | 0.507 | 0.64 | 0.64 | 1.529 |
| GB0090R | copper | | precip | 0.71 | 0.783 | 1.733 | 1.158 | 0.923 | 2.542 | 3.986 | 2.707 | 1.689 | 0.54 | 0.597 | 1.327 | 1.253 |
| GB0091R | copper | | precip | 0.1 | 0.548 | 0.71 | 0.76 | 0.88 | 0.512 | 0.323 | 0.27 | 1.399 | 1.124 | 0.53 | 0.653 | 0.643 |
| IE0001R | copper | | precip | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3 | 0.5 | 0.5 | 0.5 | 0.658 |
| IE0002R | copper | | precip | 0.5 | 0.5 | 2 | 3 | 0.5 | 0.5 | 1 | 0.5 | 3 | 7 | 2 | 2 | 2.101 |
| IS0090R | copper | | precip | 1 | 4.078 | 2.737 | 2.062 | 4.629 | 11.269 | 1.849 | 1.265 | 0.876 | 1.058 | 1.759 | 1.01 | 2.025 |
| IS0091R | copper | | precip | 1.013 | 2.965 | 6.862 | 2.444 | 1.925 | 6.96 | 2.451 | 0.487 | 0.928 | 0.971 | 1.296 | 0.864 | 1.897 |
| LT0015R | copper | | precip | 4.461 | 5.328 | 6.908 | 5.46 | 2.953 | 0.67 | 0.46 | - | 0.624 | 0.201 | 0.1 | 0.333 | 1.658 |
| LV0010R | copper | | precip | - | 3.1 | 1.6 | 0.5 | 5.6 | 3.7 | - | - | 0.4 | 0.9 | 0.7 | 1.3 | 1.997 |
| LV0016R | copper | | precip | - | 8.3 | 10.2 | 2 | 0.8 | 2.6 | - | 4.2 | 1 | 1.6 | 1.6 | 7.7 | 3.91 |
| NL0009R | copper | | precip | 1.366 | 1.27 | 1.114 | 1.826 | 1.85 | 1.268 | 1.26 | 1.374 | 2.47 | - | 1.6 | 1.6 | 1.5 |
| NL0091R | copper | | precip | 1.366 | 0.962 | 1.263 | 2.913 | 2.956 | 2.461 | 2.59 | 1.459 | 0.928 | 0.815 | 1.113 | 2.33 | 1.598 |
| NO0047R | copper | | precip | 6.949 | 27.648 | 18.189 | 63.397 | 2.25 | 17.968 | 21.646 | 10.875 | 6.381 | 0.572 | 0.543 | 2.571 | 11.999 |
| NO0099R | copper | | precip | 0.853 | 0.331 | 1.927 | 1.863 | 1.863 | 1.405 | 1.237 | 1.042 | 3.712 | 0.424 | 0.584 | 4.244 | 1.304 |
| PL0004R | copper | | precip | 1.02 | 1.49 | 1.02 | 2.55 | 1.25 | 1.04 | 0.87 | 0.81 | 1.13 | 0.41 | 0.46 | 0.8 | 0.992 |
| PL0005R | copper | | precip | 0.73 | 0.947 | 0.868 | 1.399 | 1.272 | 1.282 | 0.904 | 1.787 | 1.442 | 1.234 | 1.124 | 2.48 | 1.178 |
| PT0001R | copper | | precip | 0.701 | 0.552 | 3.61 | 2.353 | - | 0.51 | - | - | 0.325 | 1.329 | 0.809 | 1.456 | 1.327 |
| PT0003R | copper | | precip | 2.16 | 1.096 | 0.636 | 2.552 | 2.631 | 1.771 | 0.717 | - | 1.747 | 1.867 | 0.537 | 2.388 | 1.471 |

| Site | Component | | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PT0004R | copper | | precip | 1.351 | 1.38 | 0.709 | 0.552 | 2.86 | 1.84 | - | - | 0.325 | 0.361 | 0.325 | 0.857 | 0.65 |
| PT0010R | copper | | precip | 0.325 | 0.387 | 0.478 | 0.77 | 1.85 | 0.325 | - | 0.325 | 0.325 | 0.325 | 2.199 | 0.346 | 0.548 |
| SE0005R | copper | | precip | 0.494 | 0.53 | 0.827 | 0.96 | 4.922 | 0.6 | 0.334 | 1.48 | 0.986 | 0.508 | 0.5 | 1.427 | 0.992 |
| SE0051R | copper | | precip | 0.72 | 0.55 | 0.87 | 2.7 | 1.1 | 1.2 | 1.56 | 1.206 | 0.83 | 0.69 | 0.75 | 0.65 | 0.86 |
| SE0097R | copper | | precip | 0.57 | 0.28 | 0.454 | 1.997 | 1.417 | 1.053 | 0.839 | 1.56 | 0.968 | 0.296 | 0.735 | 1.09 | 0.801 |
| SK0002R | copper | | precip | 3.01 | 2.85 | 4.03 | 2.29 | 1.83 | 1.03 | 0.72 | 4.49 | 1.89 | 1.51 | 3.59 | 4.84 | 2.611 |
| SK0004R | copper | | precip | 4.86 | 1.67 | 4.57 | 2.63 | 1.25 | 0.83 | 0.51 | 1.07 | 0.67 | 3.88 | 1.69 | 7.39 | 1.769 |
| SK0005R | copper | | precip | 1.47 | 1.23 | 1.26 | 0.87 | 0.43 | 0.68 | 0.52 | 0.87 | 1.4 | 1.9 | 2.18 | 2 | 1.097 |
| SK0006R | copper | | precip | 4.93 | 3.29 | 1.73 | 3.31 | 1.1 | 1.63 | 1.12 | 1.53 | 1.45 | 1.86 | 1.99 | 1.75 | 1.893 |
| SK0007R | copper | | precip | 1.77 | 1.01 | 0.54 | 0.72 | 0.17 | 1.16 | 1.33 | 0.59 | 2.19 | 0.27 | 0.46 | 0.78 | 0.828 |
| DE0001R | iron | | precip | 10 | 19 | 30 | 96 | 64 | 50 | 19 | 45 | 40 | 15 | 11 | 54 | 31 |
| DE0002R | iron | bulk | precip | 37 | 45 | 42 | 46 | 85 | 68 | 39 | 41 | 44 | 27 | 34 | 18 | 42 |
| DE0002R | iron | wet-only | precip | 13 | 22 | 34 | 35 | 58 | 39 | 27 | 36 | 17 | 16 | 37 | 9 | 30 |
| DE0009R | iron | | precip | 11 | 18 | 26 | 30 | 57 | 17 | 22 | 21 | 32 | 10 | 86 | 7 | 27 |
| DK0008R | iron | | precip | 22 | 27 | 60 | 229 | 120 | 66 | 30 | 59 | 62 | 21 | 20 | 67 | 47 |
| DK0020R | iron | | precip | 19 | 33 | 52 | 183 | 227 | 58 | 48 | 106 | 86 | 34 | 125 | 125 | 76 |
| DK0031R | iron | | precip | 9 | 10 | 21 | 85 | 22 | 45 | 22 | 122 | 63 | 11 | 18 | 86 | 31 |
| FI0008R | iron | | precip | 16 | 9 | 13 | - | 26 | 4 | 10 | 11 | 8 | 18 | 9 | 6 | 11 |
| FI0009R | iron | | precip | 17 | 212 | 131 | 118 | 92 | 33 | 21 | 34 | 108 | 84 | 93 | 219 | 57 |
| FI0017R | iron | | precip | 24 | 65 | 70 | 62 | 149 | 14 | 31 | 115 | 368 | 115 | 28 | 149 | 55 |
| FI0022R | iron | | precip | 8 | 11 | 22 | - | 28 | 7 | 14 | 13 | 12 | 22 | 14 | 10 | 13 |
| FI0036R | iron | | precip | 19 | 8 | 31 | 67 | 19 | 8 | 8 | 10 | 19 | 12 | 13 | 15 | 14 |
| FI0053R | iron | | precip | 26 | 36 | 40 | 161 | 28 | 37 | 15 | 33 | 13 | 105 | 45 | 43 | 31 |
| FI0092R | iron | | precip | 11 | 14 | 21 | 89 | 23 | 17 | 22 | 19 | 12 | 28 | 8 | 8 | 17 |
| FI0093R | iron | | precip | 8 | 59 | 27 | - | 22 | 8 | 16 | 29 | 30 | 23 | 14 | 41 | 21 |
| IS0090R | iron | | precip | 126 | 675 | 378 | 236 | 781 | 2602 | 281 | 44 | 7 | 108 | 810 | 22 | 329 |
| IS0091R | iron | | precip | 600 | 1807 | 707 | 215 | 983 | 3005 | 257 | 52 | 50 | 204 | 598 | 183 | 437 |
| BE0004R | lead | bulk | precip | 1.168 | 1.556 | 3.523 | 3.093 | 3.179 | 3.876 | 3.837 | 4.103 | 4.103 | 3.427 | 2.8 | 2.692 | 2.884 |
| BE0004R | lead | wet-only | precip | 2.94 | 3.328 | 7.002 | 11.905 | 11.662 | 11.48 | 12.386 | 8.825 | 5.324 | 3.36 | 2.957 | 5.22 | 6.377 |
| CZ0001R | lead | | precip | 4.982 | 3.168 | 2.86 | 7.36 | 2.33 | 1.318 | 2.691 | 0.673 | 3.315 | 1.834 | 2.579 | 2.953 | 2.555 |
| CZ0003R | lead | | precip | 2.537 | 1.549 | 0.986 | 3.587 | 1.915 | 1.385 | 1.531 | 1.703 | 2.168 | 1.528 | 1.158 | 1.392 | 1.619 |
| DE0001R | lead | | precip | 1.043 | 0.633 | 1.163 | 1.858 | 1.651 | 0.917 | 0.652 | 2.497 | 1.559 | 0.603 | 1.095 | 1.859 | 1.169 |
| DE0002R | lead | bulk | precip | 0.927 | 1.231 | 2.032 | 1.929 | 2.255 | 2.172 | 1.093 | 1.575 | 0.721 | 1.002 | 1.589 | 1.154 | 1.434 |
| DE0002R | lead | wet-only | precip | 0.881 | 1.347 | 1.418 | 2.069 | 2.104 | 1.723 | 0.99 | 1.819 | 0.479 | 0.944 | 1.297 | 1.321 | 1.39 |
| DE0004R | lead | | precip | 2.834 | 1.099 | 2.689 | 1.601 | 1.652 | 1.695 | 1.762 | 2.074 | 1.765 | 1.594 | 1.2 | 0.988 | 1.667 |
| DE0009R | lead | | precip | 0.822 | 0.83 | 1.055 | 1.962 | 3.289 | 0.59 | 1.46 | 0.997 | 0.533 | 0.838 | 1.365 | 1.274 | 1.198 |
| DK0008R | lead | | precip | 1.067 | 0.875 | 1.234 | 2.993 | 2.252 | 1.309 | 0.685 | 2.313 | 1.177 | 0.829 | 1.906 | 8.401 | 1.568 |
| DK0020R | lead | | precip | 0.557 | 1.05 | 1.314 | 2.727 | 4.897 | 1.156 | 0.995 | 1.775 | 1.155 | 0.95 | 1.892 | 1.892 | 1.5 |
| DK0031R | lead | | precip | 0.731 | 0.565 | 0.576 | 1.286 | 0.855 | 0.743 | 0.567 | 1.666 | 1.26 | 0.795 | 0.776 | 0.829 | 0.79 |
| EE0009R | lead | | precip | 1.25 | 1.3 | 1.1 | 4.1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 1.4 | 0.448 |
| EE0011R | lead | | precip | 1.9 | - | - | - | - | 0.5 | 0.5 | - | 0.5 | - | 0.5 | 0.5 | 0.705 |
| FI0008R | lead | | precip | 0.16 | 0.16 | 0.48 | - | 1.66 | 0.65 | 0.32 | 0.41 | 0.36 | 0.24 | 0.31 | 0.74 | 0.391 |
| FI0009R | lead | | precip | 1.06 | 1.39 | 6.8 | 6.45 | 3.59 | 1.85 | 1.24 | 1.34 | 5.81 | 4.28 | 2.78 | 9.71 | 2.241 |
| FI0017R | lead | | precip | 2.1 | 1.61 | 4.75 | 1.09 | 3.85 | 0.46 | 1.36 | 2.47 | 1.27 | 2.12 | 1.75 | 3.75 | 1.61 |
| FI0022R | lead | | precip | 0.15 | 0.47 | 1.55 | - | 0.91 | 0.22 | 0.47 | 0.41 | 0.35 | 0.37 | 0.47 | 0.55 | 0.459 |
| FI0036R | lead | | precip | 0.32 | 0.17 | 2.17 | 4.73 | 1.06 | 0.14 | 0.33 | 0.09 | 1.82 | 0.38 | 0.38 | 1.72 | 0.708 |

| Site | Component | | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FI0053R | lead | | precip | 1.01 | 1.38 | 2.41 | 4.26 | 0.37 | 0.49 | 0.44 | 0.49 | 0.35 | 1.29 | 0.99 | 2.1 | 0.83 |
| FI0092R | lead | | precip | 0.27 | 0.74 | 0.95 | 4.48 | 0.76 | 0.23 | 1.02 | 0.3 | 0.28 | 0.44 | 0.35 | 0.48 | 0.587 |
| FI0093R | lead | | precip | 0.8 | 0.87 | 0.88 | - | 1.66 | 0.42 | 0.58 | 0.63 | 0.25 | 0.66 | 0.66 | 1.25 | 0.781 |
| FR0090R | lead | | precip | 1.47 | 0.53 | 0.74 | 0.66 | 0.8 | 0.86 | 1.1 | 2.5 | 2.5 | 1.9 | 0.9 | 1.3 | 1.015 |
| GB0014R | lead | | precip | 222.301 | 979.268 | 520 | 646.398 | 840 | - | 866.327 | 1651.698 | 310 | 767.058 | 506.404 | 640 | 827.733 |
| GB0090R | lead | | precip | 0.87 | 0.969 | 2.354 | 1.765 | 1.602 | 1.764 | 1.857 | 2.737 | 1.591 | 1.211 | 0.787 | 1.895 | 1.468 |
| GB0091R | lead | | precip | 0.2 | 0.277 | 0.42 | 0.494 | 1.2 | 0.584 | 0.388 | 0.34 | 0.624 | 0.777 | 1.4 | 1.927 | 1.089 |
| IE0001R | lead | | precip | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2 | 0.5 | 0.5 | 0.685 |
| IE0002R | lead | | precip | 0.5 | 0.5 | 2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2 | 2 | 0.5 | 0.5 | 0.79 |
| IS0090R | lead | | precip | 1.194 | 0.92 | 0.538 | 0.791 | 0.971 | 1.435 | 0.839 | 0.203 | 0.26 | 1.22 | 0.358 | 0.267 | 0.615 |
| IS0091R | lead | | precip | 0.344 | 0.49 | 0.316 | 0.414 | 0.803 | 0.702 | 0.383 | 0.096 | 0.479 | 0.517 | 0.318 | 0.264 | 0.399 |
| LT0015R | lead | | precip | 4.397 | 2.321 | 3.533 | 5.2 | 2.945 | 1.723 | 2.716 | 37.5 | 3.586 | 4.34 | 3.746 | 4.034 | 3.429 |
| LV0010R | lead | | precip | - | 3.4 | 4.2 | 0.28 | 1.7 | 0.28 | - | - | 0.08 | 0.2 | 1.2 | 1.79 | 1.251 |
| LV0016R | lead | | precip | - | 2.6 | 1.9 | 0.37 | 0.69 | 0.65 | - | 0.9 | 0.07 | 0.12 | 0.56 | 1.83 | 0.99 |
| NL0009R | lead | | precip | 0.986 | 1.172 | 1.382 | 1.135 | 1.388 | 1.185 | 1.356 | 1.726 | 1.44 | - | 0.61 | 0.61 | 1.283 |
| NL0091R | lead | | precip | 2.517 | 2.318 | 2.325 | 4.107 | 4.468 | 2.693 | 4.967 | 2.423 | 2.398 | 3.295 | 4.004 | 1.81 | 3.061 |
| NO0001R | lead | | precip | 0.667 | 0.455 | 1.436 | 0.934 | 1.623 | 0.805 | 0.835 | 1.349 | 0.881 | 1.035 | 1.136 | 1.435 | 0.986 |
| NO0039R | lead | | precip | 0.505 | 0.295 | 0.142 | 0.754 | 0.452 | 0.219 | 0.474 | 0.149 | 0.421 | 0.158 | 0.402 | 0.17 | 0.322 |
| NO0041R | lead | | precip | 0.254 | 0.281 | 0.496 | 2.28 | 1.275 | 0.549 | 0.94 | 0.832 | 2.149 | 0.312 | 0.605 | 0.933 | 0.873 |
| NO0047R | lead | | precip | 1.756 | 3.144 | 2.081 | 3.299 | 0.592 | 1.234 | 2.415 | 1.047 | 1.071 | 9.049 | 0.962 | 0.957 | 2.638 |
| NO0055R | lead | | precip | 0.372 | 0.261 | 0.571 | 3.297 | 1.391 | 0.441 | 0.561 | 0.379 | 0.366 | 0.895 | 0.487 | 0.362 | 0.575 |
| NO0056R | lead | | precip | 0.384 | 0.31 | 0.379 | 0.876 | 0.524 | 0.509 | 1.003 | 1.203 | 0.641 | 0.858 | 0.683 | 0.767 | 0.697 |
| NO0099R | lead | | precip | 1.233 | 0.751 | 1 | 1.633 | 2.398 | 2.57 | 9.482 | 2.12 | 3.534 | 0.924 | 1.123 | 3.027 | 2.145 |
| PL0004R | lead | | precip | 0.76 | 0.86 | 1.11 | 3.66 | 0.96 | 1.03 | 0.82 | 0.89 | 0.69 | 0.39 | 1.38 | 1.16 | 0.957 |
| PL0005R | lead | | precip | 1.72 | 1.633 | 3.077 | 2.101 | 2.69 | 1.638 | 2.026 | 2.142 | 1.539 | 1.954 | 2.221 | 5.462 | 2.088 |
| PT0001R | lead | | precip | 0.645 | 0.645 | 0.645 | 0.645 | - | 0.645 | - | - | 0.645 | 0.645 | 0.645 | 0.645 | 0.645 |
| PT0003R | lead | | precip | 0.645 | 0.645 | 0.645 | 0.645 | 0.645 | 0.645 | 0.645 | - | 0.645 | 0.645 | 0.645 | 0.645 | 0.645 |
| PT0004R | lead | | precip | 0.645 | 0.645 | 0.645 | 0.645 | 0.645 | 0.645 | - | - | 0.645 | 0.645 | 0.645 | 0.645 | 0.645 |
| PT0010R | lead | | precip | 0.645 | 0.645 | 0.645 | 0.645 | 1.356 | 0.645 | - | 1.97 | 0.645 | 0.645 | 0.856 | 0.645 | 0.702 |
| SE0005R | lead | | precip | 0.209 | 0.2 | 0.864 | 1.713 | 0.932 | 0.24 | 0.29 | 0.57 | 0.533 | 0.48 | 0.45 | 0.904 | 0.499 |
| SE0051R | lead | | precip | 2.03 | 1.04 | 1.83 | 3.7 | 2.62 | 0.45 | 0.6 | 1.207 | 0.4 | 1.05 | 2.1 | 3.77 | 1.733 |
| SE0097R | lead | | precip | 0.76 | 1.22 | 0.928 | 2.605 | 1.484 | 0.547 | 0.376 | 1.6 | 0.871 | 0.463 | 0.855 | 1.21 | 0.956 |
| SK0002R | lead | | precip | 6.61 | 6.22 | 9.3 | 7.6 | 3.83 | 2.93 | 2.34 | 2.8 | 3.47 | 2.15 | 7.7 | 6.87 | 4.109 |
| SK0004R | lead | | precip | 12.8 | 2.68 | 12.99 | 1.02 | 1.47 | 1.55 | 0.51 | 2.14 | 1.48 | 1.47 | 4.13 | 3.37 | 1.975 |
| SK0005R | lead | | precip | 2.83 | 1.26 | 2.04 | 0.95 | 1.12 | 1.25 | 0.37 | 1.53 | 1.94 | 1.25 | 1.83 | 1.9 | 1.338 |
| SK0006R | lead | | precip | 4.42 | 3.9 | 1.96 | 4.81 | 1.15 | 1.33 | 0.72 | 1.8 | 1.75 | 2.82 | 3.91 | 3.75 | 2.217 |
| SK0007R | lead | | precip | 3.12 | 1.87 | 0.65 | 0.59 | 0.45 | 1.64 | 1.76 | 0.92 | 1.11 | 0.77 | 2.06 | 3.26 | 1.36 |
| DE0001R | manganese | | precip | 0.631 | 0.872 | 2.04 | 5.12 | 4.17 | 2.063 | 1.342 | 3.712 | 2.607 | 0.739 | 0.677 | 4.257 | 1.913 |
| DE0002R | manganese | bulk | precip | 1.837 | 4.398 | 3.678 | 3.676 | 6.788 | 6.195 | 2.85 | 3.064 | 4.282 | 3.099 | 2.558 | 1.179 | 3.423 |
| DE0002R | manganese | wet-only | precip | 1.025 | 1.933 | 2.819 | 2.305 | 5.215 | 3.266 | 2.212 | 2.341 | 1.586 | 1.549 | 2.349 | 1.076 | 2.312 |
| DE0004R | manganese | | precip | 1.597 | 1.653 | 3.203 | 3.406 | 5.673 | 7.261 | 5.647 | 3.751 | 3.385 | 2.37 | 1.853 | 0.785 | 3.042 |
| DE0009R | manganese | | precip | 1.313 | 1.45 | 1.824 | 2.475 | 5.54 | 1.374 | 2.109 | 1.578 | 2.507 | 1.806 | 5.746 | 0.654 | 2.358 |
| FI0008R | manganese | | precip | 0.19 | 0.12 | 0.45 | - | 2.07 | 3.1 | 0.45 | 2.92 | 3.73 | 1.25 | 0.33 | 5.63 | 1.313 |
| FI0009R | manganese | | precip | 0.69 | 4.23 | 8.91 | 18.55 | 12.07 | 4.05 | 3.8 | 4.62 | 6.61 | 3.34 | 2.6 | 9.69 | 4.494 |
| FI0017R | manganese | | precip | 1.03 | 1.69 | 4.91 | 7.44 | 15.57 | 1.94 | 5.7 | 20.46 | 17.13 | 5.19 | 1.55 | 8.95 | 4.137 |
| FI0022R | manganese | | precip | 0.21 | 0.85 | 1.57 | - | 2.34 | 2.38 | 1.47 | 1.55 | 2.25 | 0.9 | 0.29 | 0.65 | 1.467 |
| FI0036R | manganese | | precip | 0.13 | 0.24 | 2.23 | 5.96 | 2.24 | 2 | 2.36 | 2.58 | 2.97 | 0.49 | 0.29 | 0.75 | 1.792 |

| Site | Component | | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FI0053R | manganese | | precip | 1.18 | 1.85 | 3.83 | 21.93 | 2.03 | 5.26 | 1.54 | 2.28 | 2.1 | 8.11 | 3.06 | 3.7 | 2.925 |
| FI0092R | manganese | | precip | 0.27 | 0.52 | 1.35 | 9.99 | 2.71 | 3.87 | 3.09 | 1.78 | 0.91 | 0.78 | 0.25 | 0.43 | 1.89 |
| FI0093R | manganese | | precip | 0.86 | 4.05 | 2.17 | - | 4.02 | 1.92 | 2.61 | 5.11 | 1.8 | - | 0.75 | 3.89 | 2.333 |
| IE0001R | manganese | | precip | 1 | 0.5 | 3 | 5 | 19 | 5 | 7 | 13 | 28 | 8 | 6 | 20 | 8.857 |
| IE0002R | manganese | | precip | 4 | 1 | 4 | 4 | 1 | 3 | 3 | 2 | 13 | 3 | 0.5 | 2 | 2.323 |
| IS0090R | manganese | | precip | 2.329 | 12.002 | 6.581 | 4.224 | 13.784 | 25.797 | 11.784 | 0.755 | 0.252 | 2.542 | 13.096 | 0.822 | 5.655 |
| IS0091R | manganese | | precip | 8.468 | 25.812 | 7.563 | 2.152 | 14.675 | 48.889 | 8.535 | 0.183 | 0.285 | 2.016 | 8.545 | 2.376 | 6.135 |
| LV0010R | manganese | | precip | - | 3.57 | 3.37 | 6.95 | 6.3 | 1.3 | - | - | 3.6 | 5.63 | 4.85 | 1.3 | 3.732 |
| LV0016R | manganese | | precip | - | 4.98 | 2.94 | 9.34 | 8.7 | 6.7 | - | 49.9 | 4.97 | 5.77 | 3.59 | 4.3 | 5.947 |
| PT0001R | manganese | | precip | 1.43 | 1.075 | 1.563 | 1.075 | - | 6.933 | - | - | 1.075 | 4.222 | 1.075 | 2.348 | 2.27 |
| PT0003R | manganese | | precip | 4.589 | 1.438 | 1.307 | 5.092 | 1.657 | 1.196 | 1.075 | - | 2.308 | 1.075 | 1.075 | 1.075 | 1.649 |
| PT0004R | manganese | | precip | 4.747 | 1.075 | 1.951 | 4.261 | 5.4 | 1.075 | - | - | 1.075 | 1.364 | 1.137 | 1.075 | 1.902 |
| PT0010R | manganese | | precip | 2.03 | 1.22 | 7.312 | 1.075 | 7.794 | 2.276 | - | 4.22 | 1.075 | 3.976 | 20.695 | 1.147 | 4.475 |
| SE0005R | manganese | | precip | 0.809 | 0.9 | 1.837 | 6.251 | 11.965 | 4.4 | 2.252 | 10 | 6.708 | 2.072 | 2.3 | 3.135 | 3.865 |
| SE0051R | manganese | | precip | 1.2 | 0.8 | 2.6 | 14.5 | 9.8 | 12.3 | 3.4 | 10.039 | 4.5 | 1.7 | 3.5 | 3.2 | 3.404 |
| SE0097R | manganese | | precip | 1 | 0.8 | 1.116 | 5.622 | 4.42 | 3.065 | 1.834 | 8 | 4.11 | 1.914 | 2.501 | 2.6 | 2.538 |
| SK0002R | manganese | | precip | 13.85 | 4.65 | 8.67 | 13.85 | 6.97 | 3.85 | 4.78 | 2.79 | 5.74 | 1.52 | 6.47 | 4.38 | 5.081 |
| SK0004R | manganese | | precip | 8.95 | 3.21 | 13.67 | 7.09 | 4.77 | 3.61 | 1.64 | 1.76 | 2.59 | 1.86 | 15.09 | 2.99 | 3.41 |
| SK0005R | manganese | | precip | 7.19 | 8.43 | 10.47 | 15.77 | 6.45 | 3.88 | 3.21 | 5.15 | 5.84 | 4.16 | 7.97 | 6.83 | 5.731 |
| SK0006R | manganese | | precip | 2.58 | 4.1 | 6.79 | 7.64 | 0.6 | 4.89 | 4.9 | 3.4 | 2.72 | 2.76 | 4.3 | 2.42 | 3.675 |
| SK0007R | manganese | | precip | 4.13 | 4.09 | 2.31 | 10.68 | 9.22 | 12.61 | 6.4 | 2.28 | 2.26 | 1.29 | 4.12 | 2.33 | 4.647 |
| BE0004R | mercury | | precip | 5 | 17.6 | 30 | 30 | 30 | 39.136 | 30.827 | 30 | 42.305 | 50.169 | 5 | 21.388 | 26.978 |
| DE0001R | mercury | | precip | 5.362 | 4.467 | 6.484 | 7.251 | 12.26 | 9.551 | 7.025 | 10.286 | 10.454 | 4.841 | 5.794 | 5.613 | 7.191 |
| DE0002R | mercury | | precip | 8.871 | 9.319 | 10.847 | 8.317 | 15.458 | 14.04 | 7.626 | 6.2 | 4.964 | 7.534 | 6.313 | 4.912 | 8.438 |
| DE0009R | mercury | | precip | 5.919 | 6.533 | 7.605 | 11.425 | 17.329 | 7.819 | 10.02 | 8.204 | 8.353 | 5.403 | 8.13 | 11.501 | 8.676 |
| FI0096R | mercury | | precip | 3.5 | 4.2 | 3.2 | 4.4 | 3.7 | 5.5 | 5.7 | 3 | 6.1 | 2.1 | 1.6 | 5.3 | 4.699 |
| IE0001R | mercury | | precip | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| NL0091R | mercury | | precip | 9.568 | 6.068 | 9.759 | 8.209 | 18.534 | 15.368 | 15.177 | 9.87 | 6.04 | 8.947 | 7.743 | 5.023 | 9.322 |
| NO0099R | mercury | | precip | 5.1 | 4.3 | 7.8 | 19.863 | 12.4 | 18.6 | 16.868 | 25.5 | - | 4.9 | 8.26 | 17.3 | 12.809 |
| SE0005R | mercury | | precip | 3.1 | 3.6 | 3.4 | 24 | 15 | 7.6 | 8.3 | 7.9 | 7.2 | 5.1 | 5.8 | 11.7 | 7.216 |
| SE0011R | mercury | | precip | 9.9 | 6.9 | 18 | 23.5 | 12.3 | 13.2 | 6.5 | 12.4 | 9.3 | 4.7 | 9 | 7.6 | 9.91 |
| SE0014R | mercury | | precip | 6.4 | 5.8 | 22.5 | 45.3 | 10.6 | 17.9 | 9.2 | 23 | 16.5 | 4.6 | 7.1 | 7.9 | 12.255 |
| BE0004R | nickel | wet-only | precip | 0.657 | 1.228 | 1.533 | 2.173 | 2.969 | 3.145 | 1.582 | 0.523 | 2.66 | 2.366 | 4.005 | 5.11 | 2.097 |
| CZ0001R | nickel | | precip | 2.074 | 1.674 | 0.901 | 0.693 | 0.546 | 0.746 | 0.634 | 0.502 | 0.952 | 0.681 | 1.36 | 0.574 | 0.823 |
| CZ0003R | nickel | | precip | 5.21 | 1.932 | 0.52 | 4.158 | 2.23 | 0.52 | 2.187 | 0.936 | 1.487 | 1.922 | 0.688 | 2.519 | 1.539 |
| DE0001R | nickel | | precip | 0.117 | 0.473 | 0.432 | 0.479 | 0.351 | 0.371 | 0.203 | 0.673 | 0.634 | 0.276 | 0.345 | 0.362 | 0.375 |
| DE0002R | nickel | bulk | precip | 0.485 | 0.734 | 0.577 | 0.546 | 0.853 | 0.722 | 0.758 | 0.422 | 0.481 | 0.324 | 0.261 | 0.354 | 0.555 |
| DE0002R | nickel | wet-only | precip | 0.287 | 0.252 | 0.16 | 0.586 | 0.514 | 0.587 | 0.459 | 0.389 | 0.45 | 0.333 | 0.327 | 0.33 | 0.403 |
| DE0004R | nickel | | precip | 0.501 | 0.458 | 0.467 | 0.294 | 0.295 | 0.572 | 0.471 | 0.651 | 0.993 | 0.469 | 0.447 | 0.323 | 0.49 |
| DE0009R | nickel | | precip | 0.171 | 0.183 | 0.263 | 0.54 | 0.459 | 0.173 | 0.214 | 0.551 | 0.352 | 0.248 | 0.367 | 0.371 | 0.3 |
| DK0008R | nickel | | precip | 0.268 | 0.267 | 0.36 | 0.789 | 0.465 | 0.292 | 0.156 | 0.227 | 0.356 | 0.154 | 0.227 | 0.36 | 0.268 |
| DK0020R | nickel | | precip | 0.251 | 0.214 | 0.372 | 0.696 | 0.598 | 0.139 | 0.224 | 0.271 | 0.31 | 0.167 | 0.379 | 0.379 | 0.28 |
| DK0031R | nickel | | precip | 0.252 | 0.189 | 0.305 | 0.337 | 0.255 | 0.248 | 0.222 | 0.285 | 0.337 | 0.303 | 0.165 | 0.112 | 0.245 |
| FI0008R | nickel | | precip | 0.14 | 0.3 | 0.32 | - | 0.07 | 0.1 | 0.05 | 0.34 | 0.1 | 1.8 | 0.72 | 0.16 | 0.226 |
| FI0009R | nickel | | precip | 0.23 | 0.4 | 1.4 | 0.46 | 0.28 | 0.13 | 0.07 | 0.32 | 1.2 | 1.71 | 1.42 | 1.61 | 0.444 |
| FI0017R | nickel | | precip | 0.24 | 0.15 | 0.8 | 0.01 | 0.28 | 0.01 | 0.11 | 1.56 | 0.69 | 2.06 | 1.09 | 0.76 | 0.4 |

| Site | Component | | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FI0022R | nickel | | precip | 0.01 | 0.01 | 0.02 | - | 0.04 | 0.01 | 0.01 | 0.2 | 0.16 | 1.39 | 0.65 | 0.22 | 0.153 |
| FI0036R | nickel | | precip | 0.01 | 0.01 | 0.1 | 0.6 | 0.01 | 0.01 | 0.01 | 0.23 | 0.13 | 1.83 | 0.12 | 0.38 | 0.194 |
| FI0053R | nickel | | precip | 0.13 | 0.13 | 0.77 | 0.29 | 0.01 | 0.01 | 0.01 | 0.78 | 0.11 | - | 0.29 | 0.3 | 0.165 |
| FI0092R | nickel | | precip | 0.01 | 0.01 | 0.04 | 0.24 | 0.01 | 0.01 | 0.01 | 0.39 | 0.15 | 0.65 | 0.33 | 0.27 | 0.117 |
| FI0093R | nickel | | precip | 0.07 | 0.02 | 0.04 | - | 0.01 | 0.01 | 0.01 | 0.35 | 0.22 | 1.7 | 0.07 | 0.41 | 0.127 |
| FR0090R | nickel | | precip | 0.7 | 0.38 | 0.43 | 0.76 | 0.32 | 0.55 | 0.2 | 0.4 | 0.6 | 0.4 | 0.38 | 0.34 | 0.42 |
| GB0014R | nickel | | precip | 0.428 | 0.255 | 0.48 | 0.444 | 0.46 | 0.33 | 0.358 | 0.142 | 0.21 | 0.194 | 0.237 | 0.29 | 0.282 |
| GB0090R | nickel | | precip | 0.33 | 0.343 | 0.979 | 0.72 | 0.493 | 1.563 | 1.097 | 0.578 | 0.51 | 0.263 | 0.242 | 0.328 | 0.521 |
| GB0091R | nickel | | precip | 0.08 | 0.095 | 0.27 | 0.284 | 0.41 | 0.217 | 0.108 | 0.077 | 0.153 | 0.16 | 0.22 | 0.299 | 0.209 |
| IE0001R | nickel | | precip | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| IE0002R | nickel | | precip | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| IS0090R | nickel | | precip | 0.847 | 4.967 | 2.003 | 1.102 | 2.087 | 4.84 | 0.823 | 0.217 | 0.078 | 0.214 | 0.472 | 0.174 | 1.15 |
| IS0091R | nickel | | precip | 0.346 | 1.538 | 3.51 | 0.432 | 2.428 | 2.698 | 0.54 | 0.075 | 0.117 | 1.779 | 0.202 | 0.669 | 0.965 |
| LV0010R | nickel | | precip | - | 68.84 | 0.97 | 4 | 1.22 | 2.24 | - | - | 0.27 | 0.38 | 0.26 | 0.07 | 11.306 |
| LV0016R | nickel | | precip | - | 3.22 | 2.72 | 1.32 | 1.5 | 0.4 | - | 0.65 | 0.19 | 0.19 | 0.17 | 0.22 | 1.092 |
| NL0009R | nickel | | precip | 0.205 | 0.205 | 0.205 | 0.205 | 0.205 | 0.205 | 0.205 | 0.205 | 0.205 | - | 0.205 | 0.205 | 0.205 |
| NL0091R | nickel | | precip | 0.205 | 0.327 | 0.358 | 0.205 | 0.376 | 0.231 | 0.554 | 0.205 | 0.205 | 0.205 | 0.205 | 0.205 | 0.262 |
| NO0047R | nickel | | precip | 4.093 | 13.814 | 10.811 | 51.647 | 1.242 | 18.375 | 24.244 | 10.038 | 7.813 | 0.448 | 0.316 | 1.828 | 11.097 |
| NO0099R | nickel | | precip | 0.168 | 0.1 | 0.234 | 0.395 | 0.404 | 0.177 | 0.907 | 0.276 | 0.408 | 0.132 | 0.152 | 1.012 | 0.295 |
| PL0004R | nickel | | precip | 0.25 | 0.16 | 0.37 | 0.49 | 0.12 | 0.14 | 0.11 | 0.28 | 0.16 | 0.11 | 0.34 | 0.41 | 0.188 |
| PL0005R | nickel | | precip | 0.292 | 0.358 | 0.333 | 0.332 | 0.392 | 0.365 | 0.328 | 0.59 | 0.359 | 0.249 | 0.373 | 0.649 | 0.346 |
| PT0001R | nickel | | precip | 0.894 | 0.775 | 0.775 | 0.775 | - | 0.775 | - | - | 0.775 | 1.163 | 0.775 | 0.929 | 0.869 |
| PT0003R | nickel | | precip | 1.997 | 0.775 | 0.756 | 0.775 | 1.054 | 0.775 | 0.775 | - | 0.775 | 0.805 | 0.796 | 0.775 | 0.906 |
| PT0004R | nickel | | precip | 2.259 | 0.775 | 0.775 | 0.775 | 0.775 | 0.775 | - | - | 0.889 | 0.869 | 1.173 | 0.905 | 1.03 |
| PT0010R | nickel | | precip | 6.617 | 1.213 | 6.73 | 5.041 | 6.678 | 2.705 | - | 2.59 | 0.775 | 6.008 | 38.575 | 9.164 | 9.078 |
| SE0005R | nickel | | precip | 0.613 | 0.74 | 0.381 | 0.323 | 0.247 | 0.16 | 0.123 | 0.14 | 0.204 | 0.15 | 0.12 | 0.333 | 0.34 |
| SE0051R | nickel | | precip | 0.62 | 0.015 | 0.51 | 0.91 | 0.54 | 0.31 | 0.15 | 0.262 | 0.14 | 0.06 | 0.19 | 0.36 | 0.323 |
| SE0097R | nickel | | precip | 0.03 | 0.04 | 0.072 | 0.066 | 0.027 | 0.08 | 0.021 | 0.13 | 0.235 | 0.018 | 0.309 | 0.21 | 0.086 |
| SK0002R | nickel | | precip | 1.34 | 1.13 | 1.68 | 1.92 | 1.71 | 0.7 | 0.91 | 0.05 | 0.56 | 0.05 | 0.7 | 0.65 | 0.745 |
| SK0004R | nickel | | precip | 0.9 | 0.64 | 1.39 | 0.69 | 0.74 | 0.26 | 0.21 | 0.05 | 0.05 | 0.05 | 0.61 | 0.05 | 0.317 |
| SK0005R | nickel | | precip | 1.8 | 19.1 | 5.98 | 1.68 | 2.4 | 2.83 | 0.69 | 0.21 | 0.54 | 0.05 | 1.45 | 1.95 | 2.309 |
| SK0006R | nickel | | precip | 0.77 | 0.92 | 0.62 | 0.88 | 1.15 | 0.28 | 0.12 | 0.05 | 0.05 | 0.05 | 0.25 | 0.83 | 0.329 |
| SK0007R | nickel | | precip | 0.42 | 0.74 | 0.04 | 0.26 | 0.29 | 0.67 | 0.58 | 0.05 | 0.05 | 0.05 | 0.26 | 0.27 | 0.257 |
| DE0001R | vanadium | | precip | 0.545 | 0.705 | 1.115 | 0.69 | 0.684 | 0.65 | 0.365 | 0.456 | 0.631 | 0.334 | 0.422 | 0.616 | 0.545 |
| DE0002R | vanadium | bulk | precip | 0.382 | 0.539 | 0.899 | 0.601 | 0.833 | 0.485 | 0.388 | 0.248 | 0.674 | 0.366 | 0.349 | 0.284 | 0.443 |
| DE0002R | vanadium | wet-only | precip | 0.314 | 0.744 | 0.549 | 0.55 | 0.636 | 0.392 | 0.288 | 0.208 | 0.453 | 0.318 | 0.295 | 0.205 | 0.373 |
| DE0004R | vanadium | | precip | 0.341 | 0.347 | 0.295 | 0.447 | 0.385 | 0.439 | 0.394 | 0.379 | 0.401 | 0.325 | 0.215 | 0.166 | 0.333 |
| DE0009R | vanadium | | precip | 0.39 | 0.476 | 0.643 | 0.493 | 0.769 | 0.355 | 0.383 | 0.222 | 0.454 | 0.428 | 0.562 | 0.471 | 0.445 |
| FI0008R | vanadium | | precip | 0.06 | 0.15 | 0.16 | - | 0.27 | 0.08 | 0.08 | 0.22 | 0.06 | 0.13 | 0.14 | 0.05 | 0.105 |
| FI0009R | vanadium | | precip | 0.66 | 1.26 | 4.48 | 1.33 | 0.91 | 0.77 | 0.34 | 0.43 | 0.67 | 2.25 | 1.39 | 4.89 | 0.838 |
| FI0017R | vanadium | | precip | 0.83 | 0.95 | 2.06 | 0.46 | 0.67 | 0.23 | 0.31 | 0.82 | 0.7 | 0.98 | 0.79 | 2.2 | 0.667 |
| FI0022R | vanadium | | precip | 0.09 | 0.31 | 0.36 | - | 0.32 | 0.13 | 0.18 | 0.13 | 0.15 | 0.46 | 0.34 | 0.27 | 0.211 |
| FI0036R | vanadium | | precip | 0.04 | 0.21 | 0.43 | 1.1 | 0.27 | 0.06 | 0.1 | 0.06 | 0.21 | 0.16 | 0.17 | 0.17 | 0.158 |
| FI0092R | vanadium | | precip | 0.15 | 0.47 | 0.57 | 0.94 | 0.22 | 0.15 | 0.24 | 0.23 | 0.16 | 0.39 | 0.2 | 0.28 | 0.258 |
| FI0093R | vanadium | | precip | 0.28 | 0.62 | 0.52 | - | 0.36 | 0.25 | 0.28 | 0.24 | 0.22 | 0.34 | 0.29 | 0.86 | 0.342 |
| IE0001R | vanadium | | precip | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| IE0002R | vanadium | | precip | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |

| Site | Component | | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IS0090R | vanadium | | precip | 2.037 | 3.635 | 1.6 | 1.401 | 2.521 | 4.013 | 1.752 | 3.011 | 0.617 | 0.824 | 3.41 | 1.308 | 2.068 |
| NO0099R | vanadium | | precip | 1.788 | 1.817 | 3.385 | 1.303 | 1.298 | 1.762 | 2.106 | 1.133 | 1.72 | 1.847 | 1.352 | 2.296 | 1.906 |
| SE0005R | vanadium | | precip | 0.104 | 0.14 | 0.218 | 0.376 | 0.309 | 0.11 | 0.112 | 0.17 | 0.188 | 0.185 | 0.17 | 0.309 | 0.172 |
| SE0051R | vanadium | | precip | 0.84 | 0.7 | 0.86 | 0.58 | 0.66 | 0.54 | 0.52 | 0.356 | 0.3 | 0.51 | 0.93 | 1.3 | 0.746 |
| SE0097R | vanadium | | precip | 0.8 | 0.87 | 0.909 | 0.716 | 0.496 | 0.515 | 0.516 | 0.44 | 0.845 | 0.357 | 1.252 | 0.67 | 0.71 |
| BE0004R | zinc | wet-only | precip | 19 | 33 | 59 | 101 | 56 | 36 | 44 | 31 | 75 | 31 | 81 | 270 | 60 |
| BE0004R | zinc | bulk | precip | 2 | 2 | 17 | 23 | 20 | 12 | 8 | 44 | 44 | 150 | 38 | 18 | 35 |
| DE0001R | zinc | | precip | 5 | 12 | 20 | 12 | 9 | 7 | 7 | 12 | 14 | 14 | 22 | 32 | 13 |
| DE0002R | zinc | bulk | precip | 13 | 5 | 7 | 20 | 17 | 17 | 17 | 18 | 24 | 29 | 14 | 9 | 17 |
| DE0004R | zinc | | precip | 15 | 7 | 11 | 9 | 10 | 18 | 12 | 10 | 25 | 12 | 6 | 10 | 11 |
| DE0009R | zinc | | precip | 5 | 5 | 9 | 15 | 11 | 5 | 11 | 10 | 8 | 26 | 12 | 42 | 11 |
| DK0008R | zinc | | precip | 5 | 6 | 12 | 25 | 19 | 7 | 7 | 9 | 6 | 4 | 7 | 14 | 8 |
| DK0020R | zinc | | precip | 8 | 16 | 10 | 14 | 13 | 30 | 8 | 17 | 19 | 9 | 11 | 11 | 15 |
| DK0031R | zinc | | precip | 8 | 6 | 6 | 12 | 12 | 6 | 9 | 18 | 11 | 4 | 4 | 2 | 7 |
| EE0009R | zinc | | precip | 5 | 5 | 5 | 5 | 10 | 5 | 5 | 5 | 5 | 5 | 13 | 13 | 7 |
| EE0011R | zinc | | precip | 5 | - | - | - | - | 5 | 5 | - | 5 | - | 5 | - | 5 |
| FI0008R | zinc | | precip | 1 | 1 | 1 | - | 4 | 2 | 1 | 1 | 17 | 1 | 2 | 5 | 2 |
| FI0009R | zinc | | precip | 4 | 14 | 26 | 39 | 9 | 4 | 4 | 6 | 9 | 14 | 9 | 23 | 8 |
| FI0017R | zinc | | precip | 6 | 5 | 12 | 6 | 20 | 3 | 3 | 17 | 24 | 8 | 5 | 15 | 6 |
| FI0022R | zinc | | precip | 0 | 2 | 4 | - | 3 | 1 | 2 | 5 | 2 | 1 | 2 | 1 | 2 |
| FI0036R | zinc | | precip | 2 | 1 | 4 | 22 | 3 | 1 | 1 | 1 | 7 | 1 | 1 | 7 | 3 |
| FI0092R | zinc | | precip | 1 | 2 | 3 | 10 | 2 | 2 | 3 | 2 | 1 | 2 | 1 | 2 | 2 |
| FI0093R | zinc | | precip | 2 | 4 | 3 | - | 5 | 2 | 2 | 6 | 3 | 8 | 2 | 5 | 3 |
| FR0090R | zinc | | precip | 2 | 1 | 2 | 6 | 2 | 3 | 2 | 4 | 10 | 12 | 2 | 2 | 3 |
| GB0014R | zinc | | precip | 22 | 16 | 28 | 37 | 21 | 21 | 13 | 2 | 12 | 4 | 4 | 6 | 11 |
| GB0090R | zinc | | precip | 33 | 27 | 32 | 25 | 24 | 36 | 24 | 10 | 9 | 4 | 3 | 13 | 18 |
| GB0091R | zinc | | precip | 15 | 40 | 25 | 25 | 24 | 31 | 9 | 1 | 6 | 5 | 3 | 5 | 11 |
| IE0001R | zinc | | precip | 35 | 60 | 60 | 42 | 21 | 23 | 25 | 27 | 55 | 79 | 28 | 58 | 43 |
| IE0002R | zinc | | precip | 10 | 3 | 9 | 9 | 4 | 4 | 6 | 5 | 126 | 9 | 4 | 8 | 8 |
| IS0090R | zinc | | precip | 3 | 8 | 5 | 6 | 12 | 35 | 11 | 3 | 2 | 7 | 4 | 4 | 6 |
| IS0091R | zinc | | precip | 7 | 10 | 11 | 9 | 6 | 19 | 21 | 5 | 4 | 9 | 7 | 16 | 9 |
| LT0015R | zinc | | precip | 51 | 61 | 79 | 95 | 16 | 13 | 7 | 140 | 17 | 65 | 73 | 145 | 54 |
| LV0010R | zinc | | precip | - | 15 | 17 | 64 | 11 | 68 | - | - | 13 | 36 | 17 | 34 | 32 |
| LV0016R | zinc | | precip | - | 28 | 9 | 73 | 5 | 19 | - | 90 | 13 | 26 | 11 | 16 | 21 |
| NL0009R | zinc | | precip | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 6 | 6 | - | - | - | 6 |
| NL0091R | zinc | | precip | 4 | 3 | 3 | 7 | 15 | 7 | 13 | 5 | 5 | 5 | 6 | 8 | 6 |
| NO0001R | zinc | | precip | 4 | 4 | 12 | 3 | 4 | 3 | 3 | 3 | 1 | 2 | 4 | 7 | 4 |
| NO0039R | zinc | | precip | 1 | 0 | 0 | 4 | 3 | 1 | 5 | 4 | 3 | 2 | 4 | 1 | 2 |
| NO0041R | zinc | | precip | 3 | 2 | 3 | 10 | 7 | 4 | 2 | 3 | 9 | 3 | 3 | 9 | 4 |
| NO0047R | zinc | | precip | 7 | 3 | 4 | 14 | 9 | 4 | 5 | 22 | 6 | 5 | 2 | 4 | 7 |
| NO0055R | zinc | | precip | 8 | 1 | 4 | 31 | 24 | 21 | 2 | 3 | 3 | 9 | 8 | 6 | 6 |
| NO0056R | zinc | | precip | 4 | 2 | 2 | 5 | 2 | 3 | 4 | 16 | 10 | 3 | 3 | 3 | 4 |
| NO0099R | zinc | | precip | 6 | 9 | 8 | 6 | 7 | 7 | 9 | 7 | 10 | 3 | 3 | 12 | 7 |
| PL0004R | zinc | | precip | 7 | 5 | 5 | 13 | 6 | 3 | 2 | 4 | 2 | 2 | 5 | 4 | 4 |
| PL0005R | zinc | | precip | 7 | 5 | 9 | 9 | 12 | 11 | 9 | 39 | 20 | 14 | 11 | 15 | 13 |
| PT0001R | zinc | | precip | 8 | 23 | 38 | 17 | - | 14 | - | - | 10 | 17 | 5 | 152 | 56 |
| PT0003R | zinc | | precip | 20 | 23 | 11 | 29 | 33 | 25 | 16 | - | 21 | 11 | 10 | 9 | 15 |

| Site | Component | | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PT0004R | zinc | | precip | 4 | 2 | 2 | 13 | 13 | 25 | - | - | 17 | 4 | 4 | 4 | 6 |
| PT0010R | zinc | | precip | 20 | 12 | 24 | 18 | 37 | 42 | - | 53 | 6 | 51 | 170 | 38 | 44 |
| SE0005R | zinc | | precip | 3 | 3 | 5 | 8 | 13 | 2 | 1 | 4 | 3 | 4 | 5 | 10 | 4 |
| SE0051R | zinc | | precip | 6 | 3 | 7 | 14 | 7 | 5 | 3 | 7 | 4 | 4 | 6 | 8 | 5 |
| SE0097R | zinc | | precip | 4 | 4 | 6 | 15 | 8 | 3 | 1 | 7 | 3 | 2 | 3 | 7 | 5 |
| SK0002R | zinc | | precip | - | - | - | 53 | 34 | 70 | 23 | 38 | 45 | 18 | - | - | 38 |
| SK0004R | zinc | | precip | 25 | 9 | 23 | 5 | 6 | 8 | 6 | 7 | 3 | - | 51 | - | 8 |
| SK0005R | zinc | | precip | 30 | 24 | - | 17 | 9 | 10 | 9 | 10 | 9 | 6 | 17 | 4 | 10 |
| SK0006R | zinc | | precip | 18 | 15 | 12 | 29 | 1 | 7 | 7 | 8 | 6 | 7 | 12 | 1 | 9 |
| SK0007R | zinc | | precip | 22 | 16 | 5 | 2 | 3 | 12 | 16 | 8 | 3 | 3 | 1 | 1 | 7 |
| BE0004R | mm | wet-only | precip | 55 | 82 | 56 | 48 | 45 | 63 | 54 | 101 | 57 | 86 | 91 | 86 | 823 |
| BE0004R | mm | bulk | precip | 96 | 119 | 79 | 72 | 72 | 80 | 27 | 48 | 27 | 103 | 153 | 16 | 892 |
| CZ0001R | mm | | precip | 24 | 85 | 48 | 70 | 53 | 82 | 95 | 197 | 68 | 85 | 39 | 49 | 895 |
| CZ0003R | mm | | precip | 31 | 61 | 52 | 16 | 33 | 103 | 73 | 178 | 50 | 80 | 55 | 42 | 774 |
| DE0001R | mm | | precip | 61 | 78 | 40 | 39 | 41 | 82 | 87 | 82 | 32 | 113 | 102 | 27 | 784 |
| DE0001R | mm | Hg_collector | precip | 54 | 70 | 41 | 35 | 41 | 80 | 88 | 81 | 31 | 104 | 93 | 29 | 747 |
| DE0002R | mm | bulk | precip | 52 | 87 | 37 | 58 | 52 | 41 | 168 | 153 | 21 | 69 | 81 | 38 | 858 |
| DE0002R | mm | wet-only | precip | 58 | 95 | 47 | 69 | 50 | 64 | 164 | 138 | 24 | 84 | 76 | 41 | 911 |
| DE0002R | mm | Hg_collector | precip | 59 | 95 | 46 | 67 | 48 | 60 | 165 | 128 | 22 | 84 | 76 | 41 | 890 |
| DE0004R | mm | | precip | 42 | 135 | 72 | 45 | 63 | 30 | 61 | 99 | 46 | 120 | 95 | 54 | 862 |
| DE0009R | mm | | precip | 50 | 60 | 41 | 38 | 51 | 89 | 99 | 74 | 24 | 84 | 59 | 14 | 684 |
| DE0009R | mm | Hg_collector | precip | 43 | 54 | 37 | 35 | 47 | 85 | 98 | 69 | 22 | 80 | 56 | 15 | 642 |
| DK0008R | mm | | precip | 90 | 63 | 24 | 13 | 44 | 75 | 63 | 93 | 52 | 102 | 81 | 18 | 718 |
| DK0020R | mm | | precip | 48 | 58 | 32 | 25 | 42 | 94 | 47 | 39 | 41 | 96 | 44 | 1 | 569 |
| DK0031R | mm | | precip | 143 | 144 | 46 | 29 | 63 | 135 | 124 | 47 | 51 | 136 | 78 | 37 | 1034 |
| EE0009R | mm | | precip | 56 | 54 | 33 | 9 | 12 | 106 | 83 | 12 | 34 | 54 | 94 | 13 | 559 |
| EE0011R | mm | | precip | 45 | 44 | 34 | 11 | 13 | 73 | 79 | 0 | 55 | 23 | 46 | 11 | 433 |
| FI0008R | mm | | precip | 20 | 28 | 18 | 0 | 11 | 18 | 147 | 22 | 26 | 17 | 7 | 15 | 328 |
| FI0009R | mm | | precip | 26 | 16 | 5 | 5 | 12 | 36 | 89 | 28 | 17 | 12 | 22 | 2 | 269 |
| FI0017R | mm | | precip | 48 | 44 | 18 | 28 | 14 | 95 | 62 | 2 | 14 | 16 | 64 | 7 | 412 |
| FI0022R | mm | | precip | 36 | 42 | 17 | 0 | 27 | 63 | 55 | 46 | 43 | 17 | 16 | 25 | 387 |
| FI0036R | mm | | precip | 26 | 38 | 11 | 5 | 11 | 55 | 59 | 25 | 58 | 22 | 16 | 7 | 332 |
| FI0053R | mm | | precip | 30 | 27 | 14 | 8 | 30 | 31 | 89 | 25 | 34 | 6 | 9 | 8 | 311 |
| FI0092R | mm | | precip | 54 | 46 | 19 | 9 | 46 | 80 | 58 | 26 | 50 | 17 | 36 | 33 | 476 |
| FI0093R | mm | | precip | 70 | 47 | 24 | 0 | 68 | 81 | 80 | 12 | 29 | 21 | 72 | 12 | 515 |
| FI0096R | mm | Hg_collector | precip | 20 | 18 | 14 | 16 | 13 | 98 | 39 | 26 | 47 | 16 | 11 | 13 | 331 |
| FR0090R | mm | | precip | 50 | 120 | 80 | 90 | 140 | 50 | 89 | 26 | 13 | 51 | 140 | 115 | 964 |
| GB0014R | mm | | precip | 31 | 93 | 33 | 22 | 80 | 59 | 57 | 125 | 33 | 102 | 133 | 113 | 881 |
| GB0090R | mm | | precip | 64 | 47 | 28 | 35 | 71 | 51 | 30 | 23 | 29 | 113 | 77 | 93 | 663 |
| GB0091R | mm | | precip | 89 | 62 | 36 | 1 | 25 | 64 | 39 | 34 | 106 | 42 | 206 | 280 | 984 |
| IE0001R | mm | | precip | 263 | 185 | 67 | 111 | 186 | 136 | 98 | 81 | 121 | 237 | 287 | 146 | 1919 |
| IE0002R | mm | | precip | 269 | 286 | 111 | 184 | 233 | 93 | 51 | 78 | 27 | 302 | 407 | 238 | 2277 |
| IS0090R | mm | | precip | 87 | 91 | 109 | 93 | 33 | 21 | 40 | 125 | 108 | 68 | 116 | 133 | 1025 |
| IS0091R | mm | | precip | 84 | 35 | 102 | 222 | 110 | 55 | 65 | 200 | 209 | 190 | 115 | 171 | 1556 |
| LT0015R | mm | | precip | 17 | 57 | 46 | 32 | 55 | 97 | 46 | 3 | 105 | 153 | 73 | 67 | 750 |
| LV0010R | mm | | precip | 0 | 82 | 40 | 13 | 25 | 110 | 0 | 0 | 76 | 106 | 60 | 28 | 541 |
| LV0016R | mm | | precip | 0 | 75 | 45 | 24 | 45 | 90 | 0 | 4 | 46 | 74 | 61 | 34 | 498 |

| Site | Component | | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NL0009R | mm | | precip | 92 | 91 | 47 | 68 | 45 | 129 | 90 | 133 | 78 | 94 | 97 | 17 | 981 |
| NL0091R | mm | | precip | 90 | 91 | 55 | 53 | 63 | 69 | 41 | 120 | 61 | 97 | 90 | 24 | 853 |
| NL0091R | mm | Hg_collector | precip | 60 | 89 | 36 | 43 | 41 | 66 | 39 | 100 | 54 | 88 | 80 | 98 | 794 |
| NO0001R | mm | | precip | 150 | 169 | 54 | 93 | 97 | 104 | 123 | 87 | 92 | 268 | 123 | 89 | 1450 |
| NO0039R | mm | | precip | 58 | 119 | 161 | 43 | 50 | 119 | 78 | 77 | 331 | 81 | 10 | 62 | 1189 |
| NO0041R | mm | | precip | 56 | 41 | 24 | 55 | 77 | 101 | 145 | 49 | 29 | 68 | 59 | 16 | 722 |
| NO0047R | mm | | precip | 21 | 14 | 17 | 10 | 18 | 33 | 61 | 33 | 58 | 51 | 24 | 27 | 367 |
| NO0055R | mm | | precip | 25 | 22 | 9 | 9 | 16 | 22 | 105 | 57 | 48 | 18 | 11 | 15 | 357 |
| NO0056R | mm | | precip | 70 | 76 | 40 | 73 | 99 | 78 | 121 | 41 | 9 | 112 | 79 | 33 | 831 |
| NO0099R | mm | | precip | 143 | 112 | 140 | 85 | 63 | 67 | 77 | 77 | 37 | 103 | 60 | 23 | 985 |
| NO0099R | mm | Hg_collector | precip | 129 | 104 | 58 | 145 | 194 | 135 | 79 | 78 | 0 | 75 | 65 | 3 | 1064 |
| PL0004R | mm | | precip | 49 | 53 | 37 | 37 | 122 | 100 | 53 | 20 | 51 | 168 | 31 | 26 | 746 |
| PL0005R | mm | | precip | 53 | 73 | 48 | 14 | 41 | 64 | 78 | 36 | 43 | 141 | 20 | 16 | 626 |
| SE0005R | mm | | precip | 66 | 58 | 38 | 23 | 30 | 68 | 50 | 32 | 24 | 9 | 22 | 20 | 440 |
| SE0005R | mm | Hg_collector | precip | 30 | 17 | 24 | 7 | 12 | 98 | 45 | 36 | 32 | 19 | 12 | 2 | 334 |
| SE0011R | mm | Hg_collector | precip | 70 | 93 | 20 | 29 | 69 | 104 | 104 | 31 | 21 | 83 | 31 | 16 | 674 |
| SE0014R | mm | Hg_collector | precip | 82 | 60 | 12 | 36 | 51 | 86 | 95 | 22 | 9 | 67 | 55 | 8 | 582 |
| SE0051R | mm | | precip | 188 | 103 | 99 | 10 | 76 | 19 | 72 | 25 | 23 | 114 | 137 | 47 | 912 |
| SE0097R | mm | | precip | 58 | 133 | 135 | 54 | 72 | 131 | 105 | 42 | 36 | 104 | 96 | 21 | 988 |
| SK0002R | mm | | precip | 24 | 56 | 87 | 51 | 86 | 126 | 170 | 266 | 88 | 109 | 45 | 44 | 1151 |
| SK0004R | mm | | precip | 9 | 29 | 29 | 17 | 140 | 92 | 208 | 108 | 62 | 136 | 18 | 28 | 874 |
| SK0005R | mm | | precip | 19 | 37 | 50 | 23 | 91 | 115 | 110 | 89 | 94 | 131 | 22 | 22 | 804 |
| SK0006R | mm | | precip | 50 | 46 | 26 | 22 | 51 | 81 | 113 | 169 | 67 | 100 | 35 | 27 | 787 |
| SK0007R | mm | | precip | 10 | 24 | 31 | 28 | 46 | 45 | 67 | 113 | 50 | 73 | 48 | 46 | 580 |
| PT0001R | mm | | precip | 121 | 42 | 101 | 25 | 28 | 67 | 3 | 2 | 102 | 101 | 146 | 276 | 1015 |
| PT0003R | mm | | precip | 134 | 86 | 127 | 54 | 111 | 76 | 29 | 24 | 83 | 272 | 500 | 234 | 1730 |
| PT0004R | mm | | precip | 51 | 10 | 100 | 75 | 7 | 5 | 0 | 0 | 44 | 97 | 166 | 140 | 695 |
| PT0010R | mm | | precip | 122 | 49 | 157 | 36 | 58 | 22 | 1 | 22 | 71 | 181 | 83 | 262 | 1065 |

# Annex 6

# Monthly and annual mean values for heavy metals in air

| Site | Component | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IS0091R | aluminium | aerosol | 635 | 710 | 235 | 1924 | 612 | 2097 | 90 | 80 | 252 | 1514 | 310 | 13 | 697 |
| AT0002R | arsenic | pm10 | 1.62 | 0.68 | 1.02 | 1.28 | 0.84 | 0.94 | 0.50 | 1.38 | 1.38 | - | - | - | 1.06 |
| AT0005R | arsenic | pm10 | 0.45 | 0.45 | 0.45 | 0.45 | 0.58 | 0.45 | 0.45 | 0.45 | 0.45 | - | - | - | 0.47 |
| DE0001R | arsenic | aerosol | 0.49 | 0.25 | 0.90 | 0.94 | 0.48 | 0.25 | 0.39 | 0.73 | 0.44 | 0.46 | 0.93 | 1.06 | 0.61 |
| DE0002R | arsenic | aerosol | 0.53 | 0.46 | 0.52 | 0.87 | 0.44 | 0.23 | 0.20 | 0.49 | 0.45 | 0.40 | 1.05 | 1.20 | 0.56 |
| DE0003R | arsenic | aerosol | 0.15 | 0.16 | 0.29 | 0.43 | 0.05 | 0.23 | 0.28 | 0.29 | 0.23 | 0.19 | 0.10 | 0.04 | 0.20 |
| DE0004R | arsenic | aerosol | 0.27 | 0.36 | 0.55 | 0.86 | 0.39 | 0.32 | 0.21 | 0.39 | 0.57 | 0.57 | 0.30 | 0.97 | 0.48 |
| DE0005R | arsenic | aerosol | 0.37 | 0.50 | 1.01 | 0.79 | 0.26 | 0.18 | 0.16 | 0.40 | 0.56 | 0.31 | 0.20 | 0.41 | 0.43 |
| DE0007R | arsenic | aerosol | 0.59 | 0.55 | 0.71 | 0.62 | 1.04 | 0.34 | 0.44 | 0.69 | 0.70 | 0.83 | 1.88 | 1.94 | 0.86 |
| DE0008R | arsenic | aerosol | 0.23 | 0.49 | 0.39 | 0.91 | 0.29 | 0.24 | 0.20 | 0.43 | 0.30 | 0.49 | 0.27 | 0.97 | 0.43 |
| DE0009R | arsenic | aerosol | 0.65 | 0.46 | 0.68 | 0.68 | 0.53 | 0.22 | 0.29 | 0.41 | 0.40 | 0.44 | 1.26 | 1.60 | 0.64 |
| DK0003R | arsenic | aerosol | 0.47 | 0.24 | 0.59 | 0.93 | 0.56 | 0.25 | 0.39 | 0.53 | 0.65 | 0.84 | 1.38 | 1.22 | 0.68 |
| DK0005R | arsenic | aerosol | 0.39 | 0.27 | 0.78 | 0.66 | 0.46 | 0.24 | 0.44 | 0.48 | 0.45 | 0.28 | 0.87 | 0.84 | 0.52 |
| DK0008R | arsenic | aerosol | 0.29 | 0.17 | 0.42 | 0.63 | 0.27 | 0.16 | 0.25 | 0.30 | 0.34 | 0.22 | 0.46 | 0.50 | 0.33 |
| DK0031R | arsenic | aerosol | 0.25 | 0.11 | 0.27 | 0.63 | 0.18 | 0.10 | 0.11 | 0.22 | 0.23 | 0.01 | 0.20 | 0.59 | 0.24 |
| FI0036R | arsenic | aerosol | 0.29 | 0.13 | 0.27 | 0.22 | 0.24 | 0.30 | 0.19 | 0.11 | 0.06 | 0.07 | 0.25 | 0.15 | 0.19 |
| GB0014R | arsenic | aerosol | 0.79 | 0.42 | 0.65 | 0.55 | 0.43 | 0.55 | 0.62 | 0.69 | 0.67 | 0.54 | 0.54 | 1.82 | 0.69 |
| GB0090R | arsenic | aerosol | 1.04 | 0.96 | 0.97 | 0.92 | 0.65 | 0.47 | 0.51 | 1.38 | 1.12 | 2.79 | 3.52 | 4.20 | 1.55 |
| GB0091R | arsenic | aerosol | 0.50 | 0.34 | 0.50 | 0.17 | 0.20 | 0.19 | 0.32 | 0.25 | 0.37 | 0.50 | 1.25 | 1.32 | 0.49 |
| IS0091R | arsenic | aerosol | 0.03 | 0.24 | 0.07 | 0.16 | 0.15 | 0.01 | 0.00 | 0.00 | 0.03 | 0.01 | 0.39 | 0.50 | 0.13 |
| LV0010R | arsenic | aerosol | 1.57 | 1.27 | 0.44 | 1.21 | 0.31 | 0.45 | 0.31 | 0.56 | 0.32 | 0.22 | 0.57 | 0.41 | 0.61 |
| LV0016R | arsenic | aerosol | 0.94 | 1.11 | 0.55 | 2.15 | 0.81 | 0.42 | 0.51 | 1.64 | 0.63 | 0.26 | 0.33 | 0.77 | 0.86 |
| NL0009R | arsenic | aerosol | 0.65 | 0.27 | 0.50 | 0.65 | 0.49 | 0.37 | 0.45 | 0.66 | 0.47 | 0.44 | 0.83 | 2.26 | 0.67 |
| NO0042G | arsenic | aerosol | 0.80 | 0.54 | 0.61 | 0.65 | 0.31 | 0.17 | 0.18 | - | 0.24 | 0.09 | 0.27 | 0.29 | 0.39 |
| NO0099R | arsenic | pm10_pm25 | 0.15 | 0.04 | 0.08 | 0.06 | 0.05 | 0.06 | 0.04 | 0.07 | 0.06 | 0.05 | 0.04 | 0.04 | 0.06 |
| NO0099R | arsenic | pm25 | 0.25 | 0.11 | 0.22 | 0.84 | 0.22 | 0.19 | 0.22 | 0.32 | 0.09 | 0.01 | 0.10 | 0.28 | 0.24 |
| SE0005R | arsenic | aerosol | 0.09 | 0.04 | 0.05 | 0.20 | 0.18 | 0.11 | 0.06 | 0.08 | 0.07 | 0.06 | 0.06 | 0.08 | 0.09 |
| SE0014R | arsenic | aerosol | 0.48 | 0.17 | 0.47 | 0.81 | 0.29 | 0.13 | 0.25 | 0.29 | 0.32 | 0.33 | 0.64 | 0.54 | 0.39 |
| SK0002R | arsenic | aerosol | 0.15 | 0.15 | 0.31 | 0.36 | 0.30 | 0.36 | 0.21 | 0.27 | 0.28 | 0.15 | 0.15 | 0.15 | 0.24 |
| SK0004R | arsenic | aerosol | 1.44 | 1.17 | 1.12 | 0.74 | 0.80 | 1.28 | 0.54 | 0.76 | 0.50 | 0.71 | 1.92 | 1.60 | 1.03 |
| SK0005R | arsenic | aerosol | 1.68 | 2.39 | 2.12 | 1.62 | 0.94 | 0.87 | 0.64 | 0.80 | 1.06 | - | - | - | 1.30 |
| SK0006R | arsenic | aerosol | 1.67 | 0.64 | 0.76 | 0.52 | 0.61 | 0.40 | 0.57 | 0.41 | 0.38 | 0.64 | 0.93 | 0.96 | 0.69 |
| SK0007R | arsenic | aerosol | 3.34 | 1.63 | 2.01 | 1.81 | 0.93 | 0.83 | 0.72 | 1.14 | 1.35 | 1.31 | 1.49 | 3.98 | 1.68 |
| AT0002R | cadmium | pm10 | 0.455 | 0.435 | 0.710 | 0.540 | 0.225 | 0.170 | 0.241 | 0.425 | 0.420 | 0.480 | 0.460 | 1.067 | 0.444 |
| AT0004R | cadmium | pm10 | 0.172 | 0.159 | 0.095 | 0.233 | 0.095 | 0.095 | 0.088 | 0.077 | 0.179 | 0.114 | 0.148 | 0.121 | 0.131 |
| AT0005R | cadmium | pm10 | 0.156 | 0.140 | 0.190 | 0.192 | 0.195 | 0.170 | 0.127 | 0.107 | 0.206 | 0.200 | 0.233 | 0.150 | 0.167 |
| BE0004R | cadmium | pm10 | -0 | -0 | -0 | -0 | -0 | -0 | -0 | -0 | 1.0 | 1.0 | 1.0 | 1.0 | -0 |
| CZ0001R | cadmium | aerosol | 0.338 | 0.237 | 0.272 | 0.294 | 0.380 | 0.188 | 0.244 | 0.562 | 0.382 | 0.356 | 0.472 | 0.644 | 0.366 |
| CZ0003R | cadmium | aerosol | 0.225 | 0.307 | 0.215 | 0.324 | 0.215 | 0.144 | 0.130 | 0.400 | 0.220 | 0.462 | 0.360 | 0.786 | 0.314 |
| DE0001R | cadmium | aerosol | 0.150 | 0.071 | 0.289 | 0.310 | 0.084 | 0.069 | 0.102 | 0.160 | 0.096 | 0.102 | 0.181 | 0.311 | 0.161 |
| DE0002R | cadmium | aerosol | 0.206 | 0.119 | 0.211 | 0.273 | 0.145 | 0.096 | 0.118 | 0.244 | 0.138 | 0.147 | 0.283 | 0.398 | 0.195 |
| DE0003R | cadmium | aerosol | 0.048 | 0.055 | 0.103 | 0.172 | 0.040 | 0.085 | 0.088 | 0.105 | 0.076 | 0.075 | 0.050 | 0.022 | 0.077 |
| DE0004R | cadmium | aerosol | 0.164 | 0.158 | 0.191 | 0.267 | 0.109 | 0.140 | 0.134 | 0.167 | 0.187 | 0.206 | 0.142 | 0.334 | 0.183 |
| DE0005R | cadmium | aerosol | 0.059 | 0.128 | 0.191 | 0.219 | 0.095 | 0.097 | 0.040 | 0.128 | 0.091 | 0.098 | 0.051 | 0.130 | 0.110 |
| DE0007R | cadmium | aerosol | 0.174 | 0.167 | 0.180 | 0.211 | 0.216 | 0.064 | 0.093 | 0.211 | 0.130 | 0.318 | 0.339 | 0.525 | 0.220 |
| DE0008R | cadmium | aerosol | 0.071 | 0.141 | 0.119 | 0.225 | 0.108 | 0.115 | 0.066 | 0.145 | 0.032 | 0.097 | 0.058 | 0.208 | 0.115 |
| DE0009R | cadmium | aerosol | 0.170 | 0.077 | 0.262 | 0.283 | 0.120 | 0.076 | 0.106 | 0.192 | 0.111 | 0.140 | 0.252 | 0.396 | 0.183 |
| DK0003R | cadmium | aerosol | 0.080 | 0.056 | 0.180 | 0.334 | 0.082 | 0.108 | 0.117 | 0.115 | 0.081 | 0.170 | 0.204 | 0.252 | 0.149 |
| DK0005R | cadmium | aerosol | 0.152 | 0.058 | 0.315 | 0.403 | 0.104 | 0.090 | 0.139 | 0.191 | 0.048 | 0.093 | 0.262 | 0.284 | 0.180 |

| Site | Component | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DK0008R | cadmium | aerosol | 0.061 | 0.076 | 0.239 | 0.301 | -0.034 | 0.025 | 0.108 | 0.077 | 0.098 | 0.087 | 0.095 | 0.071 | 0.100 |
| DK0031R | cadmium | aerosol | 0.148 | 0.048 | 0.115 | 0.265 | 0.010 | 0.065 | 0.052 | -0.002 | 0.076 | 0.000 | 0.111 | 0.171 | 0.088 |
| ES0008R | cadmium | pm10 | 0.095 | 0.168 | 0.265 | 0.417 | 0.195 | 0.098 | 0.113 | 0.090 | 0.387 | 0.157 | 0.067 | 0.030 | 0.172 |
| ES0009R | cadmium | pm10 | 0.083 | 0.117 | 0.053 | 0.070 | 0.080 | 0.046 | 0.037 | 0.033 | 0.105 | 0.100 | 0.005 | 0.017 | 0.064 |
| FI0036R | cadmium | aerosol | 0.028 | 0.034 | 0.037 | 0.057 | 0.031 | 0.024 | 0.015 | 0.019 | 0.010 | 0.018 | 0.030 | 0.038 | 0.028 |
| GB0014R | cadmium | aerosol | 0.293 | 0.110 | 0.213 | 0.180 | 0.174 | 0.138 | 0.363 | 0.333 | 0.262 | 0.292 | 0.336 | 0.538 | 0.271 |
| GB0090R | cadmium | aerosol | 0.266 | 0.212 | 0.266 | 0.258 | 0.121 | 0.125 | 0.151 | 0.553 | 0.456 | 0.771 | 0.873 | 1.129 | 0.434 |
| GB0091R | cadmium | aerosol | 0.062 | 0.043 | 0.074 | 1.499 | 0.142 | 0.046 | 0.119 | 0.149 | 0.267 | 0.219 | 0.221 | 0.215 | 0.255 |
| IS0091R | cadmium | aerosol | 0.018 | 0.024 | 0.295 | 0.028 | 0.008 | 0.013 | 0.006 | 0.009 | 0.028 | 0.079 | 0.026 | 0.075 | 0.051 |
| LT0015R | cadmium | aerosol | 0.401 | 0.224 | 0.241 | 0.357 | 0.197 | 0.140 | 0.153 | 0.239 | 0.270 | 0.149 | 0.263 | 0.126 | 0.229 |
| LV0010R | cadmium | aerosol | 0.550 | 0.194 | 0.245 | 0.494 | 0.128 | 0.106 | 0.074 | 0.224 | 0.228 | 0.080 | 0.241 | 0.182 | 0.223 |
| LV0016R | cadmium | aerosol | 0.186 | 0.176 | 0.167 | 0.294 | 0.094 | 0.104 | 0.210 | 1.675 | 0.143 | 0.074 | 0.146 | 0.228 | 0.300 |
| NL0009R | cadmium | aerosol | 0.202 | 0.093 | 0.177 | 0.216 | 0.117 | 0.107 | 0.134 | 0.132 | 0.081 | 0.134 | 0.239 | 0.471 | 0.176 |
| NO0042G | cadmium | aerosol | 0.045 | 0.054 | 0.018 | 0.094 | 0.014 | 0.001 | 0.009 | -0 | 0.001 | 0.003 | 0.003 | 0.045 | 0.027 |
| NO0099R | cadmium | pm10_pm25 | 0.016 | 0.003 | 0.012 | 0.011 | 0.011 | 0.007 | 0.005 | 0.018 | 0.006 | 0.006 | 0.005 | 0.005 | 0.009 |
| NO0099R | cadmium | pm25 | 0.059 | 0.013 | 0.037 | 0.154 | 0.051 | 0.051 | 0.042 | 0.113 | 0.021 | 0.007 | 0.019 | 0.068 | 0.053 |
| SE0005R | cadmium | aerosol | 0.030 | 0.014 | 0.019 | 0.065 | 0.036 | 0.022 | 0.011 | 0.027 | 0.016 | 0.012 | 0.011 | 0.020 | 0.023 |
| SE0014R | cadmium | aerosol | 0.158 | 0.035 | 0.133 | 0.204 | 0.056 | 0.037 | 0.060 | 0.102 | 0.058 | 0.051 | 0.125 | 0.125 | 0.094 |
| SK0002R | cadmium | aerosol | 0.037 | 0.021 | 0.139 | 0.177 | 0.102 | 0.099 | 0.126 | 0.223 | 0.134 | 0.016 | 0.044 | 0.022 | 0.101 |
| SK0004R | cadmium | aerosol | 0.396 | 0.326 | 0.531 | 0.479 | 0.281 | 0.281 | 0.273 | 0.463 | 0.363 | 0.180 | 0.390 | 0.812 | 0.396 |
| SK0005R | cadmium | aerosol | 0.483 | 0.304 | 1.733 | 0.723 | 0.297 | 0.545 | 0.322 | 0.405 | 0.435 | -0 | -0 | -0 | 0.604 |
| SK0006R | cadmium | aerosol | 0.484 | 0.428 | 0.767 | 0.367 | 0.264 | 0.275 | 0.326 | 0.450 | 0.668 | 0.174 | 0.748 | 0.749 | 0.475 |
| SK0007R | cadmium | aerosol | 0.481 | 0.519 | 1.137 | 0.615 | 0.353 | 0.236 | 0.260 | 0.503 | 0.283 | 0.382 | 0.600 | 1.207 | 0.548 |
| DK0003R | chromium | aerosol | 0.67 | 0.12 | 0.30 | 0.90 | 0.60 | 0.35 | 0.41 | 0.44 | 0.61 | 0.16 | 0.41 | 0.01 | 0.42 |
| DK0005R | chromium | aerosol | 0.92 | 0.44 | 0.24 | 0.86 | 0.23 | 0.38 | 0.34 | 0.43 | 0.31 | 0.18 | 0.49 | 0.20 | 0.42 |
| DK0008R | chromium | aerosol | 0.25 | -0.08 | 0.21 | 0.79 | 0.34 | 0.16 | 0.07 | 0.31 | 0.32 | 0.01 | 0.34 | 0.23 | 0.25 |
| DK0031R | chromium | aerosol | 0.58 | 0.18 | 0.09 | 0.60 | 0.21 | 0.11 | 0.15 | 0.17 | 0.13 | 0.01 | 0.11 | 0.10 | 0.20 |
| FI0036R | chromium | aerosol | 0.10 | 0.10 | 0.12 | 0.22 | 0.13 | 0.15 | 0.08 | 0.18 | 0.04 | 0.06 | 0.08 | 0.12 | 0.12 |
| GB0014R | chromium | aerosol | 1.04 | 1.04 | 0.88 | 1.04 | 0.70 | 0.78 | 2.27 | 2.34 | 3.07 | 2.20 | 2.68 | 2.45 | 1.71 |
| GB0090R | chromium | aerosol | 0.63 | 0.59 | 0.81 | 0.68 | 0.50 | 0.55 | 1.39 | 1.82 | 1.76 | 2.49 | 2.19 | 2.41 | 1.33 |
| GB0091R | chromium | aerosol | 0.31 | 0.29 | 0.40 | 0.35 | 0.39 | 0.30 | 0.93 | 1.10 | 1.14 | 0.95 | 0.99 | 0.94 | 0.68 |
| IS0091R | chromium | aerosol | 3.89 | 2.17 | 6.39 | 10.58 | 1.54 | 1.36 | 0.66 | 3.50 | 7.01 | 7.22 | 17.55 | 28.04 | 7.52 |
| NO0042G | chromium | aerosol | 0.14 | 0.07 | 0.03 | 0.03 | 0.01 | 0.01 | 0.02 | - | 0.01 | 0.01 | 0.01 | 0.10 | 0.04 |
| NO0099R | chromium | pm10_pm25 | 1.75 | 1.43 | 0.80 | 0.30 | 1.28 | 0.88 | 0.41 | 0.40 | 0.40 | 0.41 | 0.42 | 0.42 | 0.74 |
| NO0099R | chromium | pm25 | 0.23 | 0.24 | 0.24 | 0.23 | 0.38 | 0.32 | - | - | - | - | 0.48 | 0.28 | 0.30 |
| SK0002R | chromium | aerosol | 10.57 | 2.09 | 1.14 | 1.35 | 0.55 | 0.55 | 0.90 | 0.77 | 0.61 | 0.27 | 1.65 | 0.23 | 1.05 |
| SK0004R | chromium | aerosol | 0.96 | 0.54 | 0.55 | 0.81 | 0.95 | 1.22 | 1.45 | 2.01 | 1.30 | 2.77 | 2.31 | 1.03 | 1.29 |
| SK0005R | chromium | aerosol | 1.44 | 3.13 | 1.75 | 1.43 | 1.12 | 0.56 | 0.74 | 0.67 | 0.26 | - | - | - | 1.23 |
| SK0006R | chromium | aerosol | 1.49 | 0.74 | 2.20 | 1.06 | 2.25 | 1.55 | 1.66 | 1.53 | 0.23 | 0.09 | 0.19 | 0.09 | 1.09 |
| SK0007R | chromium | aerosol | 5.43 | 2.67 | 3.98 | 3.76 | 3.56 | 3.47 | 2.80 | 4.30 | 4.40 | 3.70 | 3.37 | 2.84 | 3.68 |
| NO0042G | cobalt | aerosol | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | - | 0.00 | 0.00 | 0.00 | 0.02 | 0.01 |
| NO0099R | cobalt | pm10_pm25 | 0.02 | 0.01 | 0.02 | 0.02 | 0.01 | 0.02 | 0.01 | 0.04 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| NO0099R | cobalt | pm25 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.07 | 0.10 | 0.06 | 0.02 | 0.00 | 0.00 | 0.02 |
| BE0004R | copper | aerosol | 27.31 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.03 |
| BE0004R | copper | pm10 | - | - | - | - | - | - | - | - | 6.00 | 7.00 | 6.00 | 6.00 | - |
| DE0001R | copper | aerosol | 1.20 | 1.45 | 4.11 | 2.87 | 2.19 | 1.26 | 2.35 | 4.15 | 2.78 | 3.51 | 2.73 | 1.95 | 2.56 |
| DE0002R | copper | aerosol | 2.88 | 1.62 | 2.26 | 2.02 | 2.53 | 2.33 | 1.73 | 2.37 | 1.90 | 2.05 | 2.86 | 2.89 | 2.28 |
| DE0003R | copper | aerosol | 1.03 | 1.07 | 1.42 | 1.36 | 0.85 | 1.56 | 2.45 | 1.56 | 1.47 | 1.05 | 0.78 | 0.75 | 1.28 |
| DE0004R | copper | aerosol | 1.23 | 1.43 | 2.18 | 2.42 | 2.26 | 2.17 | 1.59 | 2.20 | 2.32 | 2.10 | 1.67 | 2.91 | 2.04 |

| Site | Component | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DE0005R | copper | aerosol | 0.94 | 1.26 | 1.56 | 1.73 | 0.71 | 0.99 | 1.31 | 0.75 | 1.01 | 1.24 | 0.22 | 0.37 | 1.01 |
| DE0008R | copper | aerosol | 1.98 | 2.70 | 1.58 | 1.90 | 1.50 | 1.78 | 0.79 | 1.75 | 0.69 | 0.66 | 0.86 | 0.83 | 1.41 |
| DE0009R | copper | aerosol | 2.36 | 1.32 | 2.27 | 2.36 | 1.94 | 1.78 | 1.71 | 1.97 | 1.55 | 2.09 | 2.95 | 3.30 | 2.14 |
| DK0003R | copper | aerosol | 1.75 | 0.85 | 1.73 | 2.15 | 1.32 | 1.06 | 1.35 | 1.96 | 1.66 | 1.31 | 1.49 | 4.58 | 1.77 |
| DK0005R | copper | aerosol | 2.11 | 1.16 | 2.06 | 1.72 | 1.11 | 0.96 | 1.46 | 1.57 | 1.48 | 1.31 | 2.22 | 1.49 | 1.56 |
| DK0008R | copper | aerosol | 0.79 | 0.46 | 1.13 | 1.46 | 0.82 | 0.63 | 0.85 | 1.06 | 1.15 | 0.63 | 1.09 | 0.97 | 0.92 |
| DK0031R | copper | aerosol | 1.00 | 0.32 | 0.78 | 1.66 | 0.64 | 0.48 | 0.50 | 0.79 | 0.75 | 0.03 | 0.47 | 1.39 | 0.74 |
| ES0008R | copper | pm10 | 42.60 | 11.13 | 42.40 | 13.00 | 12.28 | 29.63 | 35.20 | 12.53 | 42.05 | 41.65 | 29.63 | 21.30 | 27.90 |
| ES0009R | copper | pm10 | 44.00 | 34.03 | 84.85 | 86.80 | 30.78 | 47.68 | 49.17 | 35.53 | 101.83 | 78.13 | 29.00 | 24.97 | 53.82 |
| FI0036R | copper | aerosol | 0.55 | 0.39 | 0.74 | 0.48 | 0.67 | 0.82 | 0.37 | 0.42 | 0.14 | 0.11 | 0.46 | 0.35 | 0.45 |
| GB0014R | copper | aerosol | 1.76 | 1.04 | 1.73 | 1.37 | 1.17 | 1.55 | 2.29 | 1.29 | 1.42 | 1.26 | 1.04 | 1.53 | 1.46 |
| GB0090R | copper | aerosol | 2.37 | 1.88 | 2.83 | 2.11 | 1.56 | 1.85 | 1.63 | 1.95 | 1.87 | 3.08 | 2.90 | 2.92 | 2.25 |
| GB0091R | copper | aerosol | 0.55 | 0.54 | 0.81 | 0.88 | 0.71 | 0.62 | 0.59 | 0.62 | 0.80 | 0.71 | 1.02 | 0.81 | 0.72 |
| IS0091R | copper | aerosol | 1.71 | 1.33 | 1.15 | 2.72 | 0.81 | 2.95 | 0.27 | 0.32 | 0.51 | 2.65 | 0.67 | 0.73 | 1.31 |
| LT0015R | copper | aerosol | 2.66 | 1.81 | 2.02 | 2.05 | 1.11 | 0.87 | 1.07 | 1.41 | 1.13 | 0.71 | 1.64 | 0.56 | 1.41 |
| LV0010R | copper | aerosol | 2.79 | 1.36 | 0.92 | 1.67 | 0.95 | 1.10 | 0.75 | 1.12 | 0.67 | 0.60 | 1.26 | 0.66 | 1.12 |
| LV0016R | copper | aerosol | 0.87 | 0.91 | 0.63 | 0.95 | 0.68 | 0.93 | 0.51 | 0.34 | 0.75 | 0.38 | 0.72 | 0.71 | 0.69 |
| NO0042G | copper | aerosol | 0.34 | 0.62 | 0.35 | 0.38 | 0.12 | 0.09 | 0.47 | - | 0.01 | 0.01 | 0.18 | 0.38 | 0.25 |
| NO0099R | copper | pm10_pm25 | 0.57 | 0.56 | 0.30 | 0.33 | 0.42 | 0.37 | 0.39 | 0.74 | 0.56 | 0.51 | 0.27 | 0.23 | 0.44 |
| NO0099R | copper | pm25 | 0.85 | 0.28 | 0.21 | 0.54 | 0.30 | 0.36 | 1.03 | 0.88 | 0.37 | 0.26 | 0.20 | 0.73 | 0.49 |
| SK0002R | copper | aerosol | 5.53 | 0.64 | 0.81 | 0.70 | 0.40 | 0.43 | 0.33 | 0.34 | 0.73 | 2.21 | 0.47 | 0.95 | 0.82 |
| SK0004R | copper | aerosol | 3.36 | 2.22 | 2.43 | 1.76 | 1.69 | 1.52 | 1.12 | 1.85 | 1.32 | 1.76 | 3.83 | 4.15 | 2.25 |
| SK0005R | copper | aerosol | 24.50 | 19.82 | 12.03 | 36.10 | 18.52 | 16.11 | 17.95 | 16.45 | 8.90 | - | - | - | 19.29 |
| SK0006R | copper | aerosol | 0.48 | 0.41 | 0.77 | 0.37 | 0.23 | 0.27 | 0.31 | 0.45 | 0.60 | 0.16 | 0.73 | 0.75 | 0.46 |
| SK0007R | copper | aerosol | 4.23 | 4.93 | 8.12 | 5.60 | 4.51 | 4.04 | 3.22 | 3.26 | 2.85 | 2.94 | 4.64 | 4.88 | 4.43 |
| DE0001R | iron | aerosol | 15 | 81 | 161 | 147 | 82 | 64 | 84 | 214 | 122 | 104 | 43 | 69 | 101 |
| DE0002R | iron | aerosol | 122 | 84 | 86 | 127 | 119 | 81 | 65 | 116 | 118 | 69 | 58 | 107 | 95 |
| DE0005R | iron | aerosol | 110 | 149 | 191 | 175 | 96 | 95 | 31 | 62 | 37 | 51 | 27 | 29 | 89 |
| DE0007R | iron | aerosol | 50 | 32 | 20 | 52 | 30 | 33 | 60 | 65 | 99 | 13 | 53 | 103 | 51 |
| DE0008R | iron | aerosol | 55 | 94 | 62 | 80 | 33 | 64 | 16 | 77 | 16 | 47 | 55 | 23 | 51 |
| DE0009R | iron | aerosol | 44 | 54 | 90 | 96 | 64 | 51 | 45 | 104 | 53 | 79 | 103 | 156 | 78 |
| DK0003R | iron | aerosol | 50 | 30 | 104 | 309 | 153 | 109 | 93 | 213 | 185 | 55 | 43 | 73 | 117 |
| DK0005R | iron | aerosol | 85 | 75 | 90 | 150 | 74 | 72 | 78 | 161 | 116 | 54 | 59 | 64 | 90 |
| DK0008R | iron | aerosol | 27 | 18 | 53 | 125 | 63 | 57 | 63 | 131 | 75 | 24 | 26 | 32 | 58 |
| DK0031R | iron | aerosol | 37 | 15 | 41 | 191 | 63 | 45 | 31 | 94 | 57 | 1 | 15 | 67 | 55 |
| FI0036R | iron | aerosol | 19 | 14 | 24 | 45 | 31 | 37 | 19 | 66 | 13 | 20 | 14 | 25 | 28 |
| IS0091R | iron | aerosol | 1481 | 1143 | 283 | 2165 | 734 | 2159 | 117 | 121 | 291 | 2506 | 417 | 192 | 958 |
| AT0002R | lead | pm10 | 15.09 | 14.39 | 18.12 | 17.21 | 8.71 | 7.49 | 8.87 | 14.70 | 13.38 | 10.76 | 16.10 | 27.60 | 13.91 |
| AT0004R | lead | pm10 | 2.62 | 2.15 | 3.93 | 6.14 | 2.09 | 3.36 | 1.53 | 3.12 | 3.63 | 2.11 | 2.77 | 2.75 | 3.01 |
| AT0005R | lead | pm10 | 4.73 | 3.95 | 6.65 | 5.78 | 5.36 | 5.99 | 5.20 | 3.04 | 4.93 | 4.48 | 7.53 | 3.22 | 5.04 |
| BE0004R | lead | aerosol | 33.59 | 13.00 | 17.84 | 14.13 | 13.03 | 13.00 | 13.00 | 13.97 | 13.03 | 13.97 | 15.93 | 28.58 | 17.07 |
| BE0004R | lead | pm10 | - | - | - | - | - | - | - | - | 11.00 | 16.00 | 27.00 | 25.00 | - |
| CZ0001R | lead | aerosol | 6.00 | 3.24 | 11.43 | 8.91 | 7.21 | 4.31 | 7.87 | 10.21 | 12.99 | 9.71 | 8.52 | 16.23 | 8.91 |
| CZ0003R | lead | aerosol | 7.94 | 7.15 | 5.33 | 10.20 | 5.49 | 5.45 | 3.62 | 10.75 | 7.35 | 8.22 | 6.06 | 15.77 | 7.79 |
| DE0001R | lead | aerosol | 8.70 | 3.57 | 10.56 | 8.58 | 4.68 | 2.78 | 3.83 | 5.84 | 4.05 | 4.20 | 7.69 | 9.68 | 6.21 |
| DE0002R | lead | aerosol | 7.75 | 6.03 | 8.13 | 7.45 | 5.48 | 4.16 | 3.89 | 6.33 | 3.51 | 6.70 | 12.74 | 15.57 | 7.21 |
| DE0003R | lead | aerosol | 2.59 | 2.86 | 3.40 | 4.29 | 0.79 | 3.07 | 2.60 | 3.05 | 2.05 | 2.78 | 2.11 | 0.77 | 2.54 |
| DE0004R | lead | aerosol | 8.12 | 7.18 | 9.44 | 10.30 | 7.40 | 8.42 | 7.06 | 8.48 | 9.27 | 9.90 | 9.40 | 12.45 | 8.96 |
| DE0005R | lead | aerosol | 2.47 | 3.66 | 5.43 | 6.16 | 2.48 | 2.68 | 1.47 | 4.70 | 1.89 | 2.87 | 1.15 | 3.96 | 3.24 |

| Site | Component | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DE0007R | lead | aerosol | 9.03 | 6.24 | 6.49 | 5.67 | 6.90 | 2.51 | 3.84 | 6.06 | 4.88 | 8.06 | 13.32 | 19.74 | 7.75 |
| DE0008R | lead | aerosol | 3.45 | 5.49 | 4.63 | 8.14 | 4.60 | 5.26 | 3.28 | 5.82 | 1.22 | 4.74 | 3.20 | 7.27 | 4.76 |
| DE0009R | lead | aerosol | 8.88 | 4.78 | 8.14 | 7.82 | 5.14 | 2.91 | 3.38 | 5.27 | 3.66 | 5.87 | 10.78 | 16.02 | 6.91 |
| DK0003R | lead | aerosol | 5.75 | 2.75 | 5.48 | 7.64 | 3.82 | 2.10 | 2.72 | 3.96 | 4.17 | 3.04 | 5.03 | 9.69 | 4.71 |
| DK0005R | lead | aerosol | 7.80 | 3.29 | 9.71 | 8.16 | 4.04 | 3.16 | 3.91 | 5.62 | 4.40 | 3.43 | 8.51 | 10.02 | 6.05 |
| DK0008R | lead | aerosol | 4.17 | 1.73 | 4.39 | 6.88 | 2.74 | 1.76 | 2.85 | 3.57 | 3.30 | 2.13 | 3.92 | 5.27 | 3.57 |
| DK0031R | lead | aerosol | 5.46 | 1.55 | 3.49 | 6.09 | 2.19 | 1.38 | 1.47 | 2.45 | 2.32 | 0.09 | 2.03 | 5.18 | 2.82 |
| ES0008R | lead | pm10 | 11.24 | 12.75 | 15.82 | 19.80 | 10.29 | 7.22 | 11.32 | 9.06 | 30.55 | 10.42 | 11.03 | 6.55 | 12.94 |
| ES0009R | lead | pm10 | 7.19 | 8.75 | 6.59 | 7.66 | 4.99 | 6.42 | 6.45 | 6.16 | 6.01 | 8.09 | 5.38 | 4.89 | 6.55 |
| FI0036R | lead | aerosol | 0.87 | 0.73 | 1.30 | 1.34 | 0.82 | 0.66 | 0.47 | 0.59 | 0.30 | 0.28 | 0.84 | 0.94 | 0.75 |
| GB0014R | lead | aerosol | 11.65 | 3.95 | 7.96 | 5.96 | 4.78 | 4.54 | 3.43 | 3.60 | 4.74 | 3.31 | 3.31 | 7.48 | 5.40 |
| GB0090R | lead | aerosol | 10.36 | 9.36 | 9.44 | 7.85 | 4.75 | 5.43 | 3.36 | 5.12 | 6.06 | 10.67 | 11.98 | 11.85 | 8.00 |
| GB0091R | lead | aerosol | 2.13 | 0.83 | 2.23 | 2.70 | 2.00 | 1.20 | 1.00 | 1.10 | 2.31 | 1.53 | 4.25 | 2.73 | 2.00 |
| IS0091R | lead | aerosol | 0.39 | 0.95 | 1.21 | 0.55 | 0.34 | 0.46 | 0.16 | 0.35 | 1.08 | 1.13 | 0.97 | 0.86 | 0.70 |
| LT0015R | lead | aerosol | 10.92 | 7.40 | 6.55 | 9.75 | 6.37 | 4.75 | 5.19 | 6.44 | 6.77 | 4.40 | 9.17 | 5.24 | 6.88 |
| LV0010R | lead | aerosol | 11.69 | 5.39 | 4.61 | 8.44 | 5.63 | 10.08 | 2.19 | 3.28 | 5.15 | 2.56 | 5.08 | 5.40 | 5.63 |
| LV0016R | lead | aerosol | 6.44 | 5.66 | 2.40 | 4.09 | 2.44 | 2.19 | 1.63 | 1.42 | 2.28 | 1.03 | 3.17 | 4.85 | 3.09 |
| NL0009R | lead | aerosol | 10.88 | 4.92 | 7.86 | 8.09 | 5.77 | 5.12 | 5.47 | 5.94 | 4.24 | 5.91 | 10.39 | 17.89 | 7.70 |
| NO0042G | lead | aerosol | 1.78 | 1.50 | 0.56 | 0.70 | 0.36 | 0.07 | 0.14 | - | 0.01 | 0.12 | 0.10 | 1.49 | 0.66 |
| NO0099R | lead | pm10_pm25 | 2.85 | 0.12 | 0.43 | 0.41 | 0.30 | 0.35 | 0.30 | 0.74 | 0.33 | 0.23 | 0.27 | 0.24 | 0.56 |
| NO0099R | lead | pm25 | 11.09 | 0.66 | 1.31 | 4.40 | 1.66 | 1.60 | 1.51 | 2.85 | 0.49 | 0.07 | 0.64 | 2.17 | 2.43 |
| SE0005R | lead | aerosol | 0.59 | 0.29 | 0.42 | 1.65 | 0.99 | 0.56 | 0.37 | 0.77 | 0.50 | 0.31 | 0.27 | 0.46 | 0.60 |
| SE0014R | lead | aerosol | 5.18 | 1.21 | 4.18 | 5.55 | 2.19 | 1.32 | 2.50 | 2.98 | 2.03 | 1.25 | 3.50 | 3.32 | 2.89 |
| SK0002R | lead | aerosol | 1.18 | 0.85 | 3.23 | 4.10 | 3.91 | 3.24 | 3.57 | 4.62 | 4.93 | 1.08 | 1.47 | 0.47 | 2.88 |
| SK0004R | lead | aerosol | 9.65 | 10.57 | 8.55 | 12.84 | 10.00 | 10.31 | 7.21 | 12.06 | 8.92 | 5.80 | 13.27 | 19.53 | 10.62 |
| SK0005R | lead | aerosol | 13.69 | 7.04 | 11.22 | 10.95 | 7.35 | 9.66 | 5.75 | 7.17 | 9.92 | - | - | - | 9.02 |
| SK0006R | lead | aerosol | 14.65 | 12.08 | 16.34 | 11.32 | 9.70 | 5.27 | 6.12 | 6.93 | 7.04 | 8.34 | 18.05 | 15.22 | 10.85 |
| SK0007R | lead | aerosol | 17.70 | 17.98 | 30.83 | 22.94 | 14.03 | 9.50 | 9.49 | 14.82 | 9.85 | 16.75 | 19.98 | 31.62 | 17.93 |
| DE0001R | manganese | aerosol | 0.92 | 1.76 | 3.75 | 4.77 | 2.84 | 2.60 | 3.01 | 6.04 | 3.39 | 2.54 | 1.63 | 1.96 | 2.94 |
| DE0002R | manganese | aerosol | 4.45 | 2.35 | 2.74 | 3.74 | 3.41 | 2.79 | 3.27 | 3.96 | 3.37 | 2.47 | 2.65 | 3.93 | 3.24 |
| DE0003R | manganese | aerosol | 1.01 | 1.20 | 1.66 | 1.97 | 0.53 | 2.70 | 1.57 | 1.64 | 2.18 | 2.00 | 2.05 | 1.34 | 1.64 |
| DE0004R | manganese | aerosol | 2.51 | 3.58 | 4.95 | 6.37 | 5.61 | 5.78 | 4.34 | 3.17 | 4.52 | 3.95 | 3.30 | 4.29 | 4.36 |
| DE0007R | manganese | aerosol | 2.10 | 1.04 | 0.91 | 3.06 | 3.44 | 1.76 | 2.54 | 5.44 | 4.75 | 3.59 | 2.30 | 4.40 | 2.96 |
| DE0008R | manganese | aerosol | 2.15 | 3.22 | 1.60 | 1.99 | 0.77 | 1.43 | 0.39 | 2.64 | 1.03 | 2.98 | 2.42 | 2.08 | 1.88 |
| DE0009R | manganese | aerosol | 2.18 | 1.06 | 2.15 | 3.52 | 2.66 | 2.41 | 1.93 | 4.25 | 2.26 | 2.22 | 3.05 | 4.33 | 2.68 |
| DK0003R | manganese | aerosol | 2.02 | 1.21 | 3.89 | 9.92 | 5.36 | 3.86 | 3.72 | 6.81 | 6.37 | 2.24 | 2.05 | 2.98 | 4.16 |
| DK0005R | manganese | aerosol | 2.69 | 2.04 | 2.64 | 4.38 | 2.55 | 2.38 | 2.66 | 5.34 | 3.42 | 1.58 | 2.02 | 2.08 | 2.82 |
| DK0008R | manganese | aerosol | 1.13 | 0.70 | 1.88 | 4.00 | 2.51 | 2.10 | 2.24 | 4.48 | 2.78 | 1.03 | 1.27 | 1.58 | 2.15 |
| DK0031R | manganese | aerosol | 1.41 | 0.63 | 1.38 | 5.56 | 2.07 | 1.62 | 1.28 | 2.94 | 1.88 | 0.05 | 0.79 | 1.96 | 1.79 |
| FI0036R | manganese | aerosol | 0.25 | 0.41 | 0.51 | 1.07 | 0.76 | 0.91 | 0.54 | 1.13 | 0.32 | 0.27 | 0.31 | 0.45 | 0.59 |
| IS0091R | manganese | aerosol | 26.51 | 18.73 | 5.61 | 35.65 | 12.42 | 37.15 | 2.37 | 2.32 | 5.13 | 42.20 | 7.12 | 2.78 | 16.35 |
| LV0010R | manganese | aerosol | 6.63 | 10.63 | 4.84 | 14.79 | 13.90 | 9.68 | 7.94 | 28.54 | 9.19 | 1.05 | 1.93 | 3.00 | 9.29 |
| LV0016R | manganese | aerosol | 4.87 | 3.07 | 5.66 | 13.28 | 19.52 | 16.36 | 27.49 | 50.54 | 29.80 | 1.43 | 1.52 | 5.50 | 15.21 |
| NO0042G | manganese | aerosol | 0.52 | 0.36 | 0.33 | 0.34 | 0.23 | 0.02 | 0.22 | - | 0.02 | 0.14 | 0.03 | 0.61 | 0.26 |
| SK0002R | manganese | aerosol | 13.32 | 1.05 | 2.10 | 3.21 | 3.20 | 2.86 | 3.23 | 3.33 | 1.72 | 0.08 | 0.37 | 0.25 | 2.18 |
| SK0004R | manganese | aerosol | 5.19 | 4.75 | 5.49 | 6.57 | 6.23 | 5.23 | 4.80 | 6.34 | 6.33 | 3.07 | 5.83 | 5.41 | 5.43 |
| SK0005R | manganese | aerosol | 28.95 | 32.69 | 29.85 | 19.10 | 20.52 | 24.59 | 19.40 | 24.73 | 17.70 | - | - | - | 23.86 |
| SK0006R | manganese | aerosol | 4.08 | 3.27 | 5.95 | 7.77 | 5.22 | 3.83 | 6.29 | 5.69 | 3.46 | 1.19 | 2.43 | 1.51 | 4.23 |
| SK0007R | manganese | aerosol | 5.77 | 5.28 | 11.85 | 11.49 | 10.09 | 10.05 | 10.08 | 10.14 | 8.10 | 6.80 | 6.22 | 4.52 | 8.38 |

| Site | Component | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DE0002R | mercury | air | 1.90 | 1.39 | 1.42 | 1.65 | 1.68 | 1.67 | 1.62 | 1.92 | 1.55 | 1.54 | 2.00 | 2.05 | 1.70 |
| DE0009R | total_gaseous_mercury | air | 1.86 | 1.64 | 1.44 | 1.40 | 1.45 | 1.67 | 1.60 | - | - | 1.51 | 1.87 | 1.81 | 1.63 |
| FI0096R | mercury | aerosol | 3.05 | 3.26 | 2.11 | 3.26 | 2.81 | 6.52 | 3.25 | 4.45 | 1.61 | 1.54 | 1.95 | 2.67 | 3.01 |
| IS0091R | mercury | aerosol | 44.28 | 28.55 | 85.52 | 39.60 | 13.03 | 6.30 | 6.69 | 6.56 | 8.58 | 8.71 | 5.65 | 6.47 | 21.61 |
| NO0042G | mercury | aerosol | 1.86 | - | - | 18.42 | 7.38 | 4.89 | 2.24 | 3.81 | - | 2.87 | 2.00 | 7.27 | 5.31 |
| NO0042G | mercury | air | 1.60 | 1.62 | 1.60 | 1.36 | 1.45 | 1.76 | 1.72 | 1.68 | 1.57 | 1.50 | 1.60 | 1.74 | 1.60 |
| NO0042G | reactive_gaseous_mercury | air | - | - | - | 10.68 | 15.55 | - | - | - | - | - | - | - | - |
| NO0099R | mercury | aerosol | - | 12.27 | 5.46 | 8.68 | 68.31 | 18.76 | 18.04 | 29.41 | 19.56 | 10.82 | 13.60 | 19.19 | 23.86 |
| NO0099R | mercury | air | 1.57 | 1.23 | 1.51 | 1.65 | 2.30 | 1.61 | 2.20 | - | 1.57 | 1.87 | 1.34 | 1.85 | 1.64 |
| SE0014R | mercury | aerosol | 12.44 | 11.23 | 10.01 | 20.61 | 20.23 | 14.69 | 19.27 | 9.21 | 27.70 | 5.24 | 7.52 | 11.96 | 14.07 |
| SE0014R | mercury | air+aerosol | 1.74 | 2.13 | 1.76 | 1.68 | 1.72 | 1.62 | 1.62 | 1.48 | 1.53 | 1.46 | 1.88 | 1.65 | 1.67 |
| AT0002R | nickel | pm10 | 2.18 | 5.64 | 2.87 | 3.16 | 1.25 | 2.34 | 0.95 | 1.58 | 1.51 | - | - | - | 2.36 |
| AT0005R | nickel | pm10 | 0.90 | 1.47 | 1.60 | 2.08 | 1.15 | 1.35 | 0.90 | 0.90 | 2.14 | - | - | - | 1.35 |
| BE0004R | nickel | aerosol | 15.97 | 12.00 | 17.81 | 21.87 | 18.13 | 18.00 | 20.90 | 19.07 | 17.07 | 17.97 | 16.07 | 19.87 | 17.94 |
| BE0004R | nickel | pm10 | - | - | - | - | - | - | - | - | 7.00 | 7.00 | 7.00 | 8.00 | - |
| DE0001R | nickel | aerosol | 1.32 | 1.40 | 1.91 | 1.83 | 1.93 | 1.13 | 1.05 | 1.48 | 0.78 | 0.73 | 1.07 | 1.12 | 1.31 |
| DE0002R | nickel | aerosol | 0.85 | 0.74 | 0.65 | 0.70 | 1.13 | 0.88 | 0.80 | 1.21 | 0.77 | 0.82 | 0.83 | 1.40 | 0.89 |
| DE0004R | nickel | aerosol | 0.52 | 0.45 | 0.65 | 0.73 | 0.68 | 0.79 | 0.39 | 0.90 | 0.17 | 0.55 | 0.59 | 0.23 | 0.56 |
| DE0007R | nickel | aerosol | 0.99 | 0.34 | 0.59 | 1.09 | 0.78 | 1.11 | 1.47 | 1.16 | 1.20 | 0.24 | 0.71 | 1.26 | 0.91 |
| DE0008R | nickel | aerosol | 1.27 | 1.04 | 0.62 | 0.71 | 0.71 | 1.18 | 0.69 | 1.21 | 0.59 | 0.71 | 0.48 | 0.81 | 0.83 |
| DE0009R | nickel | aerosol | 1.46 | 0.88 | 2.05 | 2.89 | 2.83 | 1.25 | 1.94 | 2.31 | 1.13 | 1.04 | 1.10 | 2.01 | 1.75 |
| DK0003R | nickel | aerosol | 1.29 | 0.66 | 1.17 | 1.64 | 1.29 | 0.85 | 0.89 | 1.34 | 0.99 | 0.66 | 1.00 | 1.19 | 1.08 |
| DK0005R | nickel | aerosol | 1.87 | 1.10 | 1.80 | 3.88 | 3.35 | 2.16 | 2.75 | 3.43 | 1.25 | 1.02 | 1.75 | 1.63 | 2.18 |
| DK0008R | nickel | aerosol | 1.26 | 0.87 | 1.34 | 2.84 | 2.27 | 1.18 | 1.97 | 2.24 | 1.33 | 0.85 | 1.17 | 1.15 | 1.54 |
| DK0031R | nickel | aerosol | 1.32 | 0.71 | 0.83 | 1.48 | 0.88 | 0.58 | 0.53 | 0.71 | 0.65 | 0.02 | 0.41 | 0.92 | 0.75 |
| FI0036R | nickel | aerosol | 0.53 | 0.51 | 0.95 | 0.50 | 0.50 | 0.61 | 0.31 | 0.25 | 0.06 | 0.09 | 0.46 | 0.34 | 0.42 |
| GB0014R | nickel | aerosol | 1.88 | 0.84 | 1.79 | 1.99 | 1.65 | 1.72 | 0.46 | 0.97 | 0.56 | 0.39 | 0.96 | 0.90 | 1.17 |
| GB0090R | nickel | aerosol | 2.28 | 1.72 | 3.12 | 3.07 | 2.40 | 2.09 | 1.05 | 1.58 | 0.83 | 0.65 | 1.69 | 1.70 | 1.94 |
| GB0091R | nickel | aerosol | 0.47 | 0.38 | 0.68 | 1.06 | 0.82 | 0.89 | 0.24 | 0.26 | 0.25 | 0.28 | 0.28 | 0.09 | 0.48 |
| IS0091R | nickel | aerosol | 2.19 | 2.25 | 7.40 | 6.28 | 1.02 | 1.31 | 0.39 | 2.10 | 3.93 | 4.01 | 9.46 | 15.96 | 4.71 |
| LV0010R | nickel | aerosol | 1.06 | 1.96 | 1.02 | 2.76 | 0.62 | 1.91 | 0.59 | 1.54 | 0.53 | 0.69 | 0.69 | 1.43 | 1.24 |
| LV0016R | nickel | aerosol | 1.67 | 1.45 | 0.78 | 1.04 | 0.69 | 2.90 | 0.70 | 1.02 | 0.96 | 1.03 | 0.53 | 1.30 | 1.18 |
| NO0042G | nickel | aerosol | 0.09 | 0.19 | 0.07 | 0.09 | 0.04 | 0.01 | 0.09 | - | 0.01 | 0.01 | 0.06 | 0.14 | 0.07 |
| NO0099R | nickel | pm10_pm25 | 0.31 | 0.11 | 0.25 | 0.09 | 0.07 | 0.05 | 0.07 | 0.17 | 0.06 | 0.04 | 0.04 | 0.01 | 0.11 |
| NO0099R | nickel | pm25 | 0.54 | 0.23 | 0.32 | 1.08 | 0.80 | 0.60 | - | - | - | - | 0.29 | 0.39 | 0.53 |
| SE0005R | nickel | aerosol | 0.20 | 0.07 | 0.10 | 0.30 | 0.23 | 0.17 | 0.12 | 0.16 | 0.08 | 0.07 | 0.07 | 0.11 | 0.14 |
| SE0014R | nickel | aerosol | 3.19 | 1.13 | 1.41 | 1.85 | 1.32 | 0.76 | 1.36 | 1.05 | 0.71 | 0.47 | 0.84 | 1.14 | 1.23 |
| SK0002R | nickel | aerosol | 18.11 | 0.09 | 0.20 | 0.47 | 0.27 | 0.13 | 0.26 | 0.18 | 0.29 | 0.41 | 0.71 | 0.21 | 0.62 |
| SK0004R | nickel | aerosol | 1.39 | 0.49 | 0.50 | 0.71 | 0.60 | 0.72 | 1.04 | 1.09 | 0.65 | 1.61 | 1.05 | 0.82 | 0.88 |
| SK0005R | nickel | aerosol | 0.16 | 0.94 | 0.83 | 0.34 | 0.48 | 0.52 | 0.42 | 0.32 | 0.17 | - | - | - | 0.45 |
| SK0006R | nickel | aerosol | 1.30 | 0.56 | 0.99 | 0.70 | 1.33 | 0.91 | 0.77 | 0.76 | 1.03 | 0.16 | 1.14 | 0.18 | 0.81 |
| SK0007R | nickel | aerosol | 3.48 | 1.74 | 1.91 | 1.88 | 1.58 | 1.88 | 1.51 | 1.79 | 2.07 | 2.58 | 1.96 | 2.19 | 2.03 |
| FI0036R | vanadium | aerosol | 0.47 | 0.67 | 0.67 | 0.75 | 0.36 | 0.28 | 0.20 | 0.33 | 0.09 | 0.15 | 0.38 | 0.51 | 0.40 |
| IS0091R | vanadium | aerosol | 5.94 | 6.21 | 1.89 | 8.21 | 3.21 | 7.56 | 0.66 | 0.62 | 1.42 | 8.66 | 3.59 | 2.35 | 4.15 |
| NO0042G | vanadium | aerosol | 0.13 | 0.12 | 0.05 | 0.08 | 0.04 | 0.01 | 0.04 | - | 0.01 | 0.02 | 0.06 | 0.33 | 0.08 |
| NO0099R | vanadium | pm10_pm25 | 0.79 | 0.23 | 0.40 | 0.21 | 0.32 | 0.44 | 0.31 | 0.41 | 0.26 | 0.26 | 0.19 | 0.17 | 0.33 |
| NO0099R | vanadium | pm25 | 2.06 | 0.57 | 0.93 | 2.75 | 2.08 | 1.55 | - | - | 0.14 | 0.14 | 0.30 | 0.82 | 1.15 |

| Site | Component | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BE0004R | zinc | aerosol | 79.63 | 20.00 | 43.23 | 38.20 | 31.23 | 25.20 | 21.13 | 21.97 | 23.93 | 49.16 | 67.40 | 90.26 | 43.07 |
| BE0004R | zinc | pm10 | - | - | - | - | - | - | - | - | 31.00 | 42.00 | 62.00 | 47.00 | - |
| DE0002R | zinc | aerosol | 19.32 | 14.25 | 19.45 | 19.44 | 17.40 | 8.44 | 10.75 | 22.32 | 19.36 | 17.53 | 31.70 | 39.16 | 19.72 |
| DK0003R | zinc | aerosol | 14.27 | 8.09 | 15.96 | 20.01 | 9.69 | 6.82 | 9.65 | 16.78 | 11.83 | 12.61 | 14.44 | 19.04 | 13.24 |
| DK0005R | zinc | aerosol | 16.04 | 7.81 | 21.35 | 20.41 | 10.08 | 7.43 | 9.45 | 14.91 | 11.88 | 8.61 | 18.90 | 21.58 | 14.13 |
| DK0008R | zinc | aerosol | 7.94 | 6.17 | 11.20 | 18.29 | 8.01 | 4.79 | 6.82 | 10.91 | 9.58 | 6.21 | 10.78 | 12.35 | 9.43 |
| DK0031R | zinc | aerosol | 10.45 | 3.78 | 8.64 | 20.69 | 6.61 | 4.02 | 4.53 | 6.93 | 8.48 | 0.38 | 5.91 | 13.47 | 7.82 |
| FI0036R | zinc | aerosol | 1.30 | 1.96 | 2.28 | 3.25 | 1.44 | 1.22 | 1.03 | 1.65 | 0.79 | 1.12 | 1.82 | 2.87 | 1.73 |
| GB0014R | zinc | aerosol | 59.48 | 60.21 | 37.00 | 43.25 | 51.93 | 88.60 | 23.28 | 25.33 | 36.30 | 31.93 | 107.87 | 21.20 | 48.52 |
| GB0090R | zinc | aerosol | 49.66 | 65.33 | 77.28 | 43.98 | 49.10 | 42.03 | 23.76 | 26.94 | 19.03 | 30.33 | 38.27 | 42.86 | 42.24 |
| GB0091R | zinc | aerosol | 33.12 | 27.86 | 37.20 | 37.88 | 54.55 | 36.74 | 21.20 | 11.28 | 21.56 | 24.29 | 12.50 | 10.40 | 27.33 |
| IS0091R | zinc | aerosol | 3.14 | 6.44 | 17.13 | 6.14 | 1.75 | 3.27 | 1.12 | 1.19 | 5.04 | 5.78 | 3.02 | 2.52 | 4.69 |
| LT0015R | zinc | aerosol | 28.66 | 23.04 | 26.26 | 25.57 | 17.00 | 7.92 | 45.94 | 17.92 | 21.86 | 23.90 | 39.00 | 21.77 | 25.03 |
| LV0010R | zinc | aerosol | 27.07 | 22.60 | 17.19 | 65.53 | 21.57 | 20.41 | 9.59 | 20.99 | 31.30 | 11.72 | 21.41 | 20.84 | 24.00 |
| LV0016R | zinc | aerosol | 15.24 | 16.68 | 10.29 | 18.45 | 9.85 | 7.43 | 7.82 | 9.76 | 7.81 | 4.83 | 9.33 | 13.66 | 10.90 |
| NL0009R | zinc | aerosol | 28.56 | 20.55 | 24.36 | 21.97 | 18.14 | 29.72 | 20.51 | 18.00 | 15.89 | 17.15 | 34.08 | 40.17 | 24.07 |
| NO0042G | zinc | aerosol | 2.22 | 2.04 | 1.25 | 1.70 | 0.65 | 0.20 | 1.09 | - | 0.80 | 0.30 | 1.21 | 2.24 | 1.22 |
| NO0099R | zinc | pm10_pm25 | 2.02 | 0.72 | 0.78 | 0.74 | 1.25 | 1.77 | 1.66 | 3.08 | 1.63 | 1.35 | 1.48 | 2.14 | 1.56 |
| NO0099R | zinc | pm25 | 6.25 | 1.84 | 2.84 | 9.83 | 3.62 | 2.79 | 2.93 | 8.32 | 1.39 | 0.69 | 2.71 | 7.17 | 4.23 |
| SK0002R | zinc | aerosol | 29.20 | 3.59 | 7.82 | 10.78 | 6.63 | 13.20 | 12.42 | 13.32 | 3.31 | 0.96 | 0.96 | 0.96 | 7.22 |
| SK0004R | zinc | aerosol | 15.93 | 16.21 | 22.28 | 28.35 | 19.32 | 17.72 | 28.47 | 16.07 | 12.79 | 9.66 | 19.98 | 31.87 | 19.67 |
| SK0005R | zinc | aerosol | 46.81 | 21.55 | 31.95 | 30.16 | 44.01 | 19.14 | 20.84 | 17.77 | 8.22 | - | - | - | 27.19 |
| SK0006R | zinc | aerosol | 26.35 | 17.31 | 25.59 | 18.34 | 14.99 | 13.58 | 13.97 | 12.65 | 5.71 | 6.27 | 8.64 | 12.66 | 14.49 |
| SK0007R | zinc | aerosol | 37.08 | 27.86 | 41.62 | 35.85 | 18.57 | 21.67 | 13.49 | 24.23 | 13.57 | 24.96 | 28.97 | 47.79 | 27.76 |

# Annex 7

# Monthly mean values on data for POPs in precipitation

| Site | Component | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BE0004R | alpha_HCH | precip | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DE0001R | alpha_HCH | precip | 0.35 | 0.35 | 0.53 | 0.53 | 0.43 | 0.36 | 0.29 | 0.58 | 0.49 | 0.26 | 0.21 | 0.49 | 0.37 |
| DE0009R | alpha_HCH | precip | 0.35 | 0.31 | 0.31 | 0.70 | 0.62 | - | 0.36 | 0.48 | 0.02 | 0.49 | 0.17 | 0.15 | 0.39 |
| FI0096R | alpha_HCH | precip+dry_dep | 0.06 | 0.08 | 0.15 | 0.50 | 0.09 | 0.51 | 1.43 | - | - | - | - | - | 0.41 |
| IE0002R | alpha_HCH | precip | - | 0.10 | 0.20 | 0.15 | 0.10 | 0.15 | 0.20 | 0.25 | 0.35 | 0.15 | - | 0.20 | 0.15 |
| IS0091R | alpha_HCH | precip | 0.16 | 0.19 | 0.17 | 0.13 | 0.17 | 0.23 | 0.17 | 0.12 | 0.09 | 0.26 | 0.15 | 0.16 | 0.15 |
| NO0099R | alpha_HCH | precip | 0.33 | 0.29 | 0.28 | 0.40 | 0.48 | 0.36 | 0.40 | 0.63 | 0.39 | 0.58 | 0.46 | 0.57 | 0.41 |
| SE0012R | alpha_HCH | precip+dry_dep | 0.00 | 0.00 | 0.04 | 0.01 | 0.49 | 0.87 | 1.08 | 0.03 | 1.35 | 0.12 | 0.12 | 0.01 | 0.36 |
| SE0014R | alpha_HCH | precip+dry_dep | 0.22 | 0.14 | 0.15 | 0.21 | 0.52 | 0.45 | 0.72 | 0.13 | 0.10 | 0.22 | 0.01 | 0.01 | 0.26 |
| IS0091R | beta_HCH | precip | 0.02 | 0.03 | 0.02 | 0.01 | 0.02 | 0.04 | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 |
| BE0004R | gamma_HCH | precip | 1.00 | 2.01 | 5.22 | 41.12 | 25.65 | 8.69 | 2.56 | 2.93 | 2.37 | 4.49 | 6.00 | 2.72 | 7.12 |
| DE0001R | gamma_HCH | precip | 2.76 | 1.88 | 7.72 | 7.72 | 5.91 | 3.24 | 1.50 | 1.21 | 1.25 | 1.31 | 0.70 | 3.59 | 2.41 |
| DE0009R | gamma_HCH | precip | 1.80 | 1.50 | 2.20 | 3.80 | 3.30 | - | 1.10 | 0.80 | 1.10 | 1.50 | 0.50 | 0.80 | 1.55 |
| FI0096R | gamma_HCH | precip+dry_dep | 0.09 | 0.07 | 0.29 | 0.60 | 0.19 | 0.44 | 1.37 | - | - | - | - | - | 0.44 |
| IE0002R | gamma_HCH | precip | - | 0.70 | 0.90 | 0.70 | 1.10 | 1.00 | 1.00 | 0.50 | 0.70 | 0.70 | - | 0.60 | 0.77 |
| IS0091R | gamma_HCH | precip | 0.05 | 0.09 | 0.09 | 0.09 | 0.38 | 0.35 | 0.08 | 0.05 | 0.12 | 0.17 | 0.11 | 0.08 | 0.12 |
| NL0091R | gamma_HCH | precip | 5.00 | 5.00 | 5.00 | 17.80 | 20.00 | 6.18 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 6.78 |
| NO0099R | gamma_HCH | precip | 0.66 | 0.49 | 1.46 | 3.37 | 4.03 | 1.23 | 1.09 | 0.67 | 0.66 | 0.80 | 0.67 | 0.69 | 1.68 |
| SE0012R | gamma_HCH | precip+dry_dep | 0.35 | 0.17 | 0.17 | 0.07 | 1.90 | 3.87 | 1.41 | 0.02 | 1.07 | 0.31 | 0.58 | 0.01 | 0.85 |
| SE0014R | gamma_HCH | precip+dry_dep | 0.01 | 0.00 | 0.01 | 0.01 | 0.02 | 0.00 | 0.36 | 0.03 | 0.02 | 0.15 | 0.14 | 0.14 | 0.07 |
| DE0001R | HCB | precip | 0.63 | 0.21 | 1.28 | 1.28 | 0.31 | 0.32 | 0.09 | 0.04 | 0.05 | 0.11 | 0.06 | 0.64 | 0.28 |
| DE0009R | HCB | precip | 0.03 | 0.02 | 0.66 | 0.10 | 0.10 | - | 0.21 | 0.03 | 0.05 | 0.01 | 0.06 | 0.07 | 0.11 |
| IS0091R | HCB | precip | 0.02 | 0.03 | 0.02 | 0.01 | 0.02 | 0.02 | 0.00 | 0.01 | 0.01 | 0.02 | 0.02 | 0.01 | 0.01 |
| NO0099R | HCB | precip | 0.32 | 0.25 | 0.50 | 0.30 | 0.29 | 0.24 | 0.32 | 0.42 | 0.31 | 0.35 | 0.31 | 1.96 | 0.34 |
| DE0001R | anthracene | precip | 0.40 | 1.00 | 4.00 | 4.00 | 0.40 | 0.30 | 0.10 | 0.60 | 0.40 | 0.90 | 1.90 | 8.40 | 1.38 |
| DE0009R | anthracene | precip | 0.2 | 0.8 | 1.4 | 1.7 | 1 | - | 0.1 | 0.1 | 0.2 | 2.1 | 3.1 | 5.9 | 1.205 |
| FI0096R | anthracene | precip+dry_dep | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.083 |
| SE0012R | anthracene | precip+dry_dep | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0.425 |
| SE0014R | anthracene | precip+dry_dep | 1 | 0.107 | 0 | 0.9 | 0 | 0 | 0 | 0 | 0.033 | 1.645 | 6 | 4.069 | 1.134 |
| DE0001R | benz_a_anthracene | precip | 2.4 | 2.1 | 3.9 | 3.9 | 1.7 | 1.4 | 0.4 | 3.3 | 4.1 | 1.7 | 7.4 | 20.3 | 3.712 |
| DE0009R | benz_a_anthracene | precip | 1.8 | 2.8 | 4.1 | 10.2 | 5 | - | 1.4 | 1.1 | 0.3 | 8.3 | 14.2 | 20.1 | 5.351 |
| FI0096R | benz_a_anthracene | precip+dry_dep | 5 | 2 | 3 | 1 | 1 | 1 | 1 | 0.5 | 0.5 | 1 | 0.5 | 1 | 1.458 |
| SE0012R | benz_a_anthracene | precip+dry_dep | 12 | 2 | 7 | 1 | 16 | 0 | 0 | 0 | 10 | 49 | 22 | 1 | 8.512 |
| SE0014R | benz_a_anthracene | precip+dry_dep | 10 | 2.857 | 2.903 | 6.533 | 2.323 | 4 | 1.194 | 3 | 1.133 | 8.29 | 44 | 23.724 | 9.067 |
| DE0001R | benzo_a_pyrene | precip | 3.1 | 2.2 | 6.3 | 6.3 | 2.2 | 2.2 | 0.7 | 4.5 | 2.6 | 1.9 | 8.4 | 21.8 | 4.403 |
| DE0009R | benzo_a_pyrene | precip | 2 | 3.5 | 4.7 | 14.9 | 7.4 | - | 2.4 | 1.3 | 1.2 | 8.1 | 14.3 | 22.6 | 6.217 |
| FI0096R | benzo_a_pyrene | precip+dry_dep | 4 | 2 | 6 | 1 | 0.5 | 0.5 | 1 | 0.5 | 0.5 | 2 | 0.5 | 4 | 1.917 |
| SE0012R | benzo_a_pyrene | precip+dry_dep | 14 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 47 | 51 | 1 | 8.037 |
| SE0014R | benzo_a_pyrene | precip+dry_dep | 13 | 3.179 | 2.903 | 11.167 | 3.839 | 3 | 2.194 | 4 | 2.133 | 8.903 | 42 | 18.828 | 9.485 |
| DE0001R | benzo_ghi_perylene | precip | 5.1 | 2.8 | 6.3 | 6.3 | 2.7 | 2.3 | 1 | 4.2 | 5.7 | 2 | 14.2 | 26.9 | 5.88 |
| DE0009R | benzo_ghi_perylene | precip | 2.4 | 3.3 | 5.3 | 15.5 | 7.4 | - | 2.1 | 1.6 | 1.8 | 8.1 | 15.6 | 21.6 | 6.443 |
| FI0096R | benzo_ghi_perylene | precip+dry_dep | 0.5 | 0.5 | 5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3 | 0.5 | 0.5 | 1.083 |
| SE0012R | benzo_ghi_perylene | precip+dry_dep | 49 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 123 | 82 | 0 | 17.35 |
| SE0014R | benzo_ghi_perylene | precip+dry_dep | 15 | 4.286 | 2.097 | 9.333 | 3.839 | 3 | 2.097 | 3 | 2.133 | 10.161 | 45 | 17 | 9.605 |
| IS0091R | cis_CD | precip | 0.006 | 0.016 | 0.008 | 0.005 | 0.004 | 0.007 | 0.002 | 0.001 | 0.002 | 0.005 | 0.004 | 0.004 | 0.004 |
| DE0001R | dibenzo_ah_anthracene | precip | 0.37 | 0.25 | 0.65 | 0.65 | 0.47 | 0.29 | 0.1 | 0.47 | 0.94 | 0.37 | 2.2 | 4.82 | 0.85 |
| DE0009R | dibenzo_ah_anthracene | precip | 0.2 | 0.6 | 0.9 | 2.4 | 1.3 | - | 0.4 | 0.1 | 0.2 | 1.4 | 2.6 | 4.1 | 1.059 |
| BE0004R | dieldrin | precip | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DE0001R | dieldrin | precip | 0.198 | 0.205 | 2.098 | 2.098 | 0.097 | 0.167 | 0.065 | 0.039 | 0.041 | 0.06 | 0.047 | 0.096 | 0.27 |
| DE0009R | dieldrin | precip | 0.11 | 0.13 | 0.15 | 0.07 | 0.07 | - | 0.04 | 0.03 | 0.51 | 0.1 | 0.14 | 0.07 | 0.103 |
| IE0002R | dieldrin | precip | - | 0.1 | 0.2 | 0.15 | 0.1 | 0.15 | 0.2 | 0.25 | 0.35 | 0.15 | - | 0.2 | 0.154 |
| IS0091R | dieldrin | precip | 0.048 | 0.096 | 0.061 | 0.05 | 0.05 | 0.058 | 0.017 | 0.01 | 0.017 | 0.068 | 0.031 | 0.019 | 0.037 |
| BE0004R | endrin | precip | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| DE0001R | endrin | precip | 0.023 | 0.016 | 0.023 | 0.023 | 0.029 | 0.018 | 0.009 | 0.013 | 0.027 | 0.011 | 0.009 | 0.031 | 0.016 |
| DE0009R | endrin | precip | 0.013 | 0.01 | 0.013 | 0.016 | 0.01 | - | 0.007 | 0.006 | 0.023 | 0.006 | 0.009 | 0.035 | 0.01 |
| IE0002R | endrin | precip | - | 0.1 | 0.2 | 0.15 | 0.1 | 0.15 | 0.2 | 0.25 | 0.2 | 0.1 | - | 0.1 | 0.128 |

| Site | Component | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DE0001R | fluoranthene | precip | 20.6 | 19.9 | 42.5 | 42.5 | 17.3 | 11.4 | 5.2 | 25.7 | 23.8 | 14.9 | 36.6 | 158 | 27.64 |
| DE0009R | fluoranthene | precip | 17.5 | 16.2 | 26.5 | 63 | 33.2 | - | 8.5 | 8.5 | 5.8 | 35.9 | 56.6 | 108.3 | 28.119 |
| FI0096R | fluoranthene | precip+dry_dep | 3 | 8 | 17 | 3 | 3 | 2 | 3 | 0.5 | 0.5 | 5 | 2 | 1 | 3.976 |
| SE0012R | fluoranthene | precip+dry_dep | 177 | 41 | 17 | 28 | 0 | 9 | 3 | 1 | 9 | 597 | 165 | 3 | 67.275 |
| SE0014R | fluoranthene | precip+dry_dep | 65 | 18.571 | 8.484 | 24.267 | 8.677 | 7 | 6.387 | 10 | 6.7 | 38.742 | 145 | 84.172 | 34.499 |
| BE0004R | heptachlor | precip | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DE0001R | heptachlor | precip | 0.009 | 0.006 | 0.009 | 0.009 | 0.012 | 0.007 | 0.003 | 0.005 | 0.011 | 0.004 | 0.004 | 0.012 | 0.006 |
| DE0009R | heptachlor | precip | 0.005 | 0.004 | 0.005 | 0.007 | 0.004 | - | 0.003 | 0.002 | 0.009 | 0.003 | 0.003 | 0.014 | 0.004 |
| IE0002R | heptachlor | precip | - | 0.05 | 0.1 | 0.05 | 0.05 | 0.05 | 0.1 | 0.15 | 0.2 | 0.1 | - | 0.1 | 0.079 |
| DE0001R | inden_123cd_pyrene | precip | 4.5 | 2 | 6.5 | 6.5 | 1.2 | 2 | 0.7 | 4.7 | 5.7 | 1.7 | 16.2 | 32.5 | 6.213 |
| DE0009R | inden_123cd_pyrene | precip | 2.3 | 3.4 | 5.5 | 17.9 | 8 | - | 2.5 | 1.6 | 0.9 | 9.4 | 18.8 | 22.1 | 7.214 |
| FI0096R | inden_123cd_pyrene | precip+dry_dep | 2 | 2 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2.25 |
| SE0012R | inden_123cd_pyrene | precip+dry_dep | 35 | 0 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 155 | 157 | 0 | 24.988 |
| SE0014R | inden_123cd_pyrene | precip+dry_dep | 18 | 4.607 | 3 | 9.367 | 3.839 | 3 | 2.194 | 4 | 2.2 | 13.226 | 62 | 23.379 | 12.235 |
| DE0001R | op_DDD | precip | 0.023 | 0.016 | 0.023 | 0.023 | 0.029 | 0.018 | 0.009 | 0.013 | 0.027 | 0.041 | 0.014 | 0.09 | 0.023 |
| DE0009R | op_DDD | precip | 0.013 | 0.01 | 0.013 | 0.016 | 0.01 | - | 0.007 | 0.006 | 0.023 | 0.006 | 0.009 | 0.035 | 0.01 |
| DE0001R | op_DDE | precip | 0.009 | 0.01 | 0.009 | 0.009 | 0.012 | 0.011 | 0.003 | 0.008 | 0.011 | 0.006 | 0.006 | 0.012 | 0.008 |
| DE0009R | op_DDE | precip | 0.005 | 0.004 | 0.005 | 0.007 | 0.004 | - | 0.005 | 0.005 | 0.018 | 0.003 | 0.007 | 0.014 | 0.006 |
| DE0001R | op_DDT | precip | 0.023 | 0.09 | 0.023 | 0.023 | 0.029 | 0.061 | 0.009 | 0.089 | 0.078 | 0.102 | 0.092 | 0.213 | 0.069 |
| DE0009R | op_DDT | precip | 0.01 | 0.01 | 0.08 | 0.08 | 0.02 | - | 0.09 | 0.04 | 0.39 | 0.05 | 0.12 | 0.5 | 0.082 |
| IS0091R | op_DDT | precip | 0.005 | 0.012 | 0.005 | 0.006 | 0.006 | - | 0.004 | 0.002 | 0.002 | 0.007 | 0.004 | - | 0.005 |
| DE0001R | PCB_101 | precip | 0.69 | 0.87 | 1.61 | 1.61 | 0.36 | 0.24 | 0.72 | 0.1 | 0.15 | 1.18 | 0.3 | 1.54 | 0.696 |
| DE0009R | PCB_101 | precip | 0.03 | 0.02 | 0.28 | 0.93 | 0.28 | - | 0.07 | 0.07 | 0.43 | 0.03 | 0.29 | 1.57 | 0.218 |
| FI0096R | PCB_101 | precip+dry_dep | 0.05 | 0.04 | 0.06 | 0.05 | 0.03 | 0.04 | 0.03 | 0.005 | 0.04 | 0.08 | 0.06 | 0.3 | 0.069 |
| IE0002R | PCB_101 | precip | - | 0.6 | 0.5 | 0.3 | 0.1 | 0.3 | 0.4 | 0.5 | 0.2 | 0.1 | - | 0.2 | 0.297 |
| IS0091R | PCB_101 | precip | 0.011 | 0.039 | 0.011 | 0.007 | 0.011 | 0.022 | 0.01 | 0.004 | 0.006 | 0.031 | 0.011 | 0.012 | 0.011 |
| SE0012R | PCB_101 | precip+dry_dep | 0.1 | 0.16 | 0.03 | 0.04 | 0.03 | 0.03 | 0.14 | 0.005 | 0.04 | 0 | 0.03 | 0.01 | 0.053 |
| SE0014R | PCB_101 | precip+dry_dep | 0.1 | 0.055 | 0.05 | 0.053 | 0.085 | 0.06 | 0.065 | 0.11 | 0.083 | 0.159 | 0.29 | 0.203 | 0.109 |
| IS0091R | PCB_105 | precip | 0.009 | 0.015 | 0.009 | 0.006 | 0.01 | 0.018 | 0.008 | 0.004 | 0.003 | 0.009 | 0.005 | 0.007 | 0.007 |
| DE0001R | PCB_118 | precip | 0.26 | 0.39 | 0.7 | 0.7 | 0.06 | 0.1 | 0.21 | 0.07 | 0.15 | 0.51 | 0.4 | 1.5 | 0.364 |
| DE0009R | PCB_118 | precip | 0.03 | 0.02 | 0.3 | 0.28 | 0.1 | - | 0.07 | 0.05 | 0.51 | 0.01 | 0.14 | 0.61 | 0.121 |
| FI0096R | PCB_118 | precip+dry_dep | 0.02 | 0.01 | 0.04 | 0.01 | 0.04 | 0.02 | 0.05 | 0.005 | 0.04 | 0.02 | 0.04 | 0.005 | 0.025 |
| IE0002R | PCB_118 | precip | - | 0.4 | 0.2 | 0.15 | 0.1 | 0.15 | 0.2 | 0.25 | 0.35 | 0.15 | - | 0.2 | 0.208 |
| IS0091R | PCB_118 | precip | 0.007 | 0.036 | 0.007 | 0.005 | 0.008 | 0.014 | 0.008 | 0.002 | 0.003 | 0.01 | 0.005 | 0.003 | 0.007 |
| SE0012R | PCB_118 | precip+dry_dep | 0.09 | 0.12 | 0.04 | 0.04 | 0.03 | 0.02 | 0.05 | 0.005 | 0.03 | 0 | 0.02 | 0.01 | 0.039 |
| SE0014R | PCB_118 | precip+dry_dep | 0.08 | 0.053 | 0.041 | 0.053 | 0.092 | 0.05 | 0.07 | 0.07 | 0.062 | 0.106 | 0.15 | 0.131 | 0.08 |
| DE0001R | PCB_138 | precip | 1.61 | 3.1 | 2.03 | 2.03 | 0.81 | 0.42 | 0.99 | 0.26 | 0.61 | 3.07 | 0.99 | 4.67 | 1.589 |
| DE0009R | PCB_138 | precip | 0.44 | 0.99 | 0.81 | 3.21 | 1.03 | - | 0.47 | 0.29 | 1.1 | 0.09 | 1.05 | 5.24 | 0.88 |
| FI0096R | PCB_138 | precip+dry_dep | 0.03 | 0.02 | 0.07 | 0.03 | 0.02 | 0.02 | 0.02 | 0.06 | 0.01 | 0.06 | 0.03 | 0.005 | 0.031 |
| IE0002R | PCB_138 | precip | - | 0.7 | 0.5 | 0.3 | 0.1 | 0.15 | 0.2 | 0.25 | 0.35 | 0.15 | - | 0.2 | 0.3 |
| IS0091R | PCB_138 | precip | 0.008 | 0.032 | 0.011 | 0.005 | 0.008 | 0.023 | 0.01 | 0.004 | 0.004 | 0.011 | 0.006 | 0.008 | 0.008 |
| SE0012R | PCB_138 | precip+dry_dep | 0.12 | 0.2 | 0.07 | 0.07 | 0.04 | 0.04 | 0.05 | 0.005 | 0.05 | 0 | 0.05 | 0.01 | 0.06 |
| SE0014R | PCB_138 | precip+dry_dep | 0.33 | 0.16 | 0.194 | 0.146 | 0.313 | 0.17 | 0.224 | 0.35 | 0.22 | 0.368 | 0.29 | 0.3 | 0.255 |
| DE0001R | PCB_153 | precip | 1.06 | 1.59 | 1.38 | 1.38 | 0.45 | 0.26 | 0.72 | 0.15 | 0.44 | 1.73 | 0.58 | 2.92 | 0.96 |
| DE0009R | PCB_153 | precip | 0.14 | 0.37 | 0.66 | 1.79 | 0.54 | - | 0.25 | 0.13 | 0.85 | 0.05 | 0.53 | 2.69 | 0.468 |
| FI0096R | PCB_153 | precip+dry_dep | 0.02 | 0.04 | 0.07 | 0.07 | 0.04 | 0.05 | 0.05 | 0.04 | 0.03 | 0.08 | 0.04 | 0.04 | 0.047 |
| IE0002R | PCB_153 | precip | - | 1.1 | 0.9 | 0.4 | 0.2 | 0.3 | 0.4 | 0.5 | 0.35 | 0.15 | - | 0.2 | 0.452 |
| IS0091R | PCB_153 | precip | 0.007 | 0.028 | 0.013 | 0.005 | 0.008 | 0.014 | 0.008 | 0.004 | 0.003 | 0.009 | 0.005 | 0.007 | 0.007 |
| SE0012R | PCB_153 | precip+dry_dep | 0.12 | 0.2 | 0.05 | 0.05 | 0.05 | 0.05 | 0.06 | 0.005 | 0.04 | 0 | 0.04 | 0.01 | 0.058 |
| SE0014R | PCB_153 | precip+dry_dep | 0.26 | 0.126 | 0.155 | 0.151 | 0.276 | 0.15 | 0.182 | 0.29 | 0.179 | 0.321 | 0.33 | 0.291 | 0.226 |
| IS0091R | PCB_156 | precip | 0.005 | 0.009 | 0.006 | 0.003 | 0.006 | 0.011 | 0.004 | 0.002 | 0.001 | 0.002 | 0.001 | 0.002 | 0.003 |
| DE0001R | PCB_180 | precip | 0.68 | 1.87 | 0.58 | 0.58 | 0.35 | 0.15 | 0.09 | 0.12 | 0.21 | 0.69 | 0.19 | 0.77 | 0.473 |
| DE0009R | PCB_180 | precip | 0.47 | 1.08 | 0.34 | 2.56 | 0.86 | - | 0.19 | 0.14 | 0.41 | 0.04 | 0.29 | 1.22 | 0.516 |
| FI0096R | PCB_180 | precip+dry_dep | 0.02 | 0.01 | 0.03 | 0.02 | 0.005 | 0.02 | 0.07 | 0.04 | 0.01 | 0.05 | 0.01 | 0.005 | 0.024 |
| IE0002R | PCB_180 | precip | - | 0.5 | 0.4 | 0.3 | 0.1 | 0.15 | 0.2 | 0.25 | 0.35 | 0.15 | - | 0.2 | 0.257 |
| IS0091R | PCB_180 | precip | 0.004 | 0.014 | 0.013 | 0.002 | 0.004 | 0.014 | 0.008 | 0.003 | 0.004 | 0.012 | 0.006 | 0.003 | 0.006 |

| Site | Component | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SE0012R | PCB_180 | precip+dry_dep | 0.07 | 0.09 | 0.03 | 0.03 | 0.01 | 0.03 | 0.01 | 0 | 0.015 | 0 | 0.04 | 0.01 | 0.028 |
| SE0014R | PCB_180 | precip+dry_dep | 0.26 | 0.108 | 0.171 | 0.122 | 0.231 | 0.13 | 0.183 | 0.3 | 0.17 | 0.293 | 0.18 | 0.219 | 0.197 |
| DE0001R | PCB_28 | precip | 0.93 | 0.92 | 1.27 | 1.27 | 0.51 | 0.33 | 0.28 | 0.2 | 0.44 | 0.79 | 0.4 | 2.48 | 0.659 |
| DE0009R | PCB_28 | precip | 0.01 | 0.01 | 0.6 | 0.08 | 0.07 | - | 0.08 | 0.07 | 0.61 | 0.04 | 0.05 | 0.21 | 0.119 |
| FI0096R | PCB_28 | precip+dry_dep | 0.04 | 0.07 | 0.06 | 0.11 | 0.1 | 0.12 | 0.18 | 0.05 | 0.13 | 0.04 | 0.08 | 0.07 | 0.087 |
| IS0091R | PCB_28 | precip | 0.047 | 0.23 | 0.048 | 0.029 | 0.049 | 0.093 | 0.065 | 0.029 | 0.025 | 0.175 | 0.071 | 0.135 | 0.066 |
| SE0012R | PCB_28 | precip+dry_dep | 0.08 | 0.14 | 0.02 | 0.08 | 0.03 | 0.02 | 0.06 | 0 | 0.06 | 0 | 0.005 | 0.01 | 0.043 |
| SE0014R | PCB_28 | precip+dry_dep | 0.14 | 0.086 | 0.08 | 0.1 | 0.11 | 0.11 | 0.127 | 0.1 | 0.1 | 0.115 | 0.22 | 0.162 | 0.121 |
| IS0091R | PCB_31 | precip | 0.045 | 0.18 | 0.046 | 0.028 | 0.047 | 0.089 | 0.073 | 0.032 | 0.028 | 0.173 | 0.07 | 0.101 | 0.062 |
| DE0001R | PCB_52 | precip | - | - | - | - | - | - | 0.14 | 0.06 | 0.16 | 0.47 | 0.24 | 0.64 | 0.253 |
| DE0009R | PCB_52 | precip | 0.013 | 0.01 | 0.312 | 0.033 | 0.021 | - | 0.063 | 0.038 | 0.118 | 0.013 | 0.017 | 0.5 | 0.064 |
| FI0096R | PCB_52 | precip+dry_dep | 0.04 | 0.05 | 0.11 | 0.13 | 0.13 | 0.16 | 0.09 | 0.06 | 0.12 | 0.12 | 0.12 | 0.09 | 0.101 |
| IE0002R | PCB_52 | precip | - | 0.5 | 0.2 | 0.1 | 0.05 | 0.5 | 0.4 | 0.5 | 0.2 | 0.1 | - | 0.1 | 0.225 |
| IS0091R | PCB_52 | precip | 0.03 | 0.079 | 0.031 | 0.019 | 0.032 | 0.061 | 0.033 | 0.014 | 0.013 | 0.08 | 0.034 | 0.044 | 0.032 |
| SE0012R | PCB_52 | precip+dry_dep | 0.13 | 0.17 | 0.03 | 0.22 | 0.05 | 0.03 | 0.09 | 0.005 | 0.06 | 0 | 0.01 | 0.01 | 0.069 |
| SE0014R | PCB_52 | precip+dry_dep | 0.2 | 0.093 | 0.053 | 0.06 | 0.071 | 0.13 | 0.107 | 0.08 | 0.095 | 0.227 | 0.14 | 0.14 | 0.115 |
| DE0001R | phenanthrene | precip | 56.3 | 27.6 | 199.8 | 199.8 | 51.1 | 33.3 | 13.9 | 21.5 | 32.9 | 53.9 | 51.5 | 395.6 | 66.949 |
| DE0009R | phenanthrene | precip | 19.6 | 18.4 | 83.1 | 35 | 16.6 | - | 6.9 | 8 | - | 20.6 | 36.5 | 106.8 | 25.407 |
| FI0096R | phenanthrene | precip+dry_dep | 4 | 9 | 14 | 4 | 2 | 2 | 3 | 2 | 2 | 4 | 3 | 3 | 4.345 |
| SE0012R | phenanthrene | precip+dry_dep | 56 | 35 | 11 | 35 | 0 | 5 | 10 | 0 | 8 | 148 | 43 | 2 | 24.637 |
| SE0014R | phenanthrene | precip+dry_dep | 51 | 16.179 | 7.484 | 15.1 | 6.839 | 6 | 5 | 5 | 4.833 | 36.129 | 91 | 62.034 | 24.955 |
| BE0004R | pp_DDD | precip | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| DE0001R | pp_DDD | precip | 0.023 | 0.189 | 0.023 | 0.023 | 0.029 | 0.053 | 0.009 | 0.013 | 0.027 | 0.159 | 0.009 | 0.031 | 0.053 |
| DE0009R | pp_DDD | precip | 0.007 | 0.005 | 0.124 | 0.242 | 0.05 | - | 0.004 | 0.006 | 0.023 | 0.003 | 0.009 | 0.018 | 0.032 |
| IS0091R | pp_DDD | precip | 0.009 | 0.009 | 0.007 | 0.003 | 0.006 | - | 0.006 | 0.005 | 0.007 | 0.012 | 0.006 | - | 0.007 |
| BE0004R | pp_DDE | precip | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DE0001R | pp_DDE | precip | 0.163 | 0.327 | 0.058 | 0.058 | 0.082 | 0.063 | 0.143 | 0.051 | 0.016 | 0.166 | 0.069 | 0.012 | 0.113 |
| DE0009R | pp_DDE | precip | 0.05 | 0.04 | 0.15 | 0.39 | 0.13 | - | 0 | 0 | 0.49 | 0 | 0.14 | 0.01 | 0.087 |
| IE0002R | pp_DDE | precip | - | 0.1 | 0.2 | 0.15 | 0.1 | 0.15 | 0.2 | 0.25 | 0.35 | 0.15 | - | 0.2 | 0.154 |
| IS0091R | pp_DDE | precip | 0.007 | 0.009 | 0.01 | 0.005 | 0.006 | 0.025 | 0.008 | 0.004 | 0.003 | 0.009 | 0.005 | 0.007 | 0.006 |
| BE0004R | pp_DDT | precip | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| DE0001R | pp_DDT | precip | 0.37 | 0.62 | 0.68 | 0.68 | 0.48 | 0.17 | 0.16 | 0.3 | 0.25 | 0.62 | 0.39 | 1.94 | 0.468 |
| DE0009R | pp_DDT | precip | 0.33 | 0.38 | 0.62 | 0.77 | 0.71 | - | 0.45 | 0.12 | 1.14 | 0.17 | 0.4 | 1.47 | 0.446 |
| IS0091R | pp_DDT | precip | 0.004 | 0.008 | 0.005 | - | 0.007 | - | 0.032 | 0.008 | 0.01 | 0.013 | 0.009 | - | 0.009 |
| DE0001R | pyrene | precip | 17 | 15.2 | 35.2 | 35.2 | 14 | 8.7 | 4.6 | 19.3 | 18.4 | 11.4 | 25.4 | 107.4 | 20.579 |
| DE0009R | pyrene | precip | 11.3 | 11 | 20.5 | 48.2 | 27.6 | - | 6.5 | 6.5 | 10.7 | 28.8 | 44.6 | 72.8 | 21.767 |
| FI0096R | pyrene | precip+dry_dep | 2 | 6 | 14 | 2 | 2 | 3 | 2 | 0.5 | 0.5 | 4 | 2 | 1 | 3.238 |
| SE0012R | pyrene | precip+dry_dep | 60 | 13 | 7 | 4 | 0 | 2 | 1 | 0 | 6 | 188 | 74 | 1 | 23.35 |
| SE0014R | pyrene | precip+dry_dep | 42 | 11.643 | 6.194 | 18.667 | 6.839 | 6 | 4.387 | 8 | 5.4 | 24.71 | 97 | 51.621 | 23.078 |
| IS0091R | trans_CD | precip | 0.011 | 0.012 | 0.01 | 0.004 | 0.007 | 0.012 | 0.004 | 0.002 | 0.001 | 0.004 | 0.003 | 0.003 | 0.005 |
| IS0091R | trans_NO | precip | 0.002 | 0.003 | 0.003 | 0.002 | 0.002 | 0.003 | 0.002 | 0.001 | 0.001 | 0.002 | 0.001 | 0.002 | 0.002 |
| BE0004R | precipitation_amount | precip | 60 | 82 | 56 | 48 | 45 | 63 | 54 | 101 | 57 | 86 | 91 | 86 | 828 |
| BE0004R | precipitation_amount | precip | 55 | 82 | 56 | 48 | 45 | 63 | 54 | 101 | 57 | 86 | 91 | 86 | 823 |
| DE0001R | precipitation_amount | precip | 43 | 63 | 35 | 30 | 34 | 54 | 115 | 79 | 37 | 95 | 108 | 32 | 725 |
| DE0009R | precipitation_amount | precip | 38 | 50 | 37 | 31 | 48 | 91 | 77 | 84 | 22 | 78 | 57 | 14 | 626 |
| IE0002R | precipitation_amount | precip | 269 | 286 | 111 | 184 | 233 | 93 | 51 | 78 | 27 | 302 | 407 | 238 | 2277 |
| IS0091R | precipitation_amount | precip | 58 | 32 | 54 | 89 | 54 | 28 | 52 | 115 | 133 | 49 | 84 | 58 | 805 |
| NL0091R | precipitation_amount | precip | 94 | 95 | 60 | 59 | 49 | 69 | 44 | 121 | 65 | 104 | 97 | 26 | 882 |
| NO0099R | precipitation_amount | precip | 133 | 100 | 66 | 201 | 131 | 149 | 78 | 68 | 38 | 91 | 58 | 18 | 1129 |

# Annex 8

# Monthly mean values on data for POPs in air

| Site | Component | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CZ0003R | alpha_HCH | air+aerosol | 8.1 | 12.4 | 17.0 | 19.3 | 43.8 | 15.1 | 29.1 | 42.3 | 31.2 | 17.4 | 16.0 | 8.8 | 21.9 |
| FI0096R | alpha_HCH | air+aerosol | 5.0 | 2.0 | 3.0 | 3.0 | 22.0 | 22.0 | 51.0 | 38.0 | 24.0 | 15.0 | 16.0 | 18.0 | 18.2 |
| IS0091R | alpha_HCH | air+aerosol | 6.3 | 6.4 | 4.9 | 4.3 | 3.8 | 3.9 | 4.4 | 5.8 | 6.6 | 7.6 | 5.6 | 4.1 | 5.3 |
| NO0042G | alpha_HCH | air+aerosol | 21.9 | 20.1 | 24.7 | 19.1 | 28.1 | 21.8 | 27.9 | 35.1 | 42.1 | 29.8 | 27.0 | 19.8 | 26.4 |
| NO0099R | alpha_HCH | air+aerosol | 6.7 | 6.8 | 6.7 | 11.9 | 22.8 | 17.1 | 19.7 | 37.9 | 25.6 | 17.2 | 12.5 | 12.2 | 16.7 |
| SE0012R | alpha_HCH | air+aerosol | 7.0 | 6.0 | 9.0 | 22.0 | 28.0 | 22.0 | 20.0 | 24.0 | 32.0 | 14.0 | 7.0 | 7.0 | 16.7 |
| SE0014R | alpha_HCH | air+aerosol | 11.5 | 6.7 | 7.8 | 18.5 | 20.3 | - | 15.5 | 15.7 | 12.8 | 17.8 | 12.8 | 6.9 | 13.2 |
| IS0091R | beta_HCH | air+aerosol | 0.5 | 0.6 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | 0.3 | 0.2 | 0.2 | 0.2 | 0.4 |
| CZ0003R | gamma_HCH | air+aerosol | 10.6 | 29.3 | 23.0 | 43.5 | 54.2 | 13.6 | 22.4 | 20.3 | 26.5 | 28.0 | 38.3 | 14.3 | 27.1 |
| FI0096R | gamma_HCH | air+aerosol | 1.0 | 2.0 | 4.0 | 6.0 | 5.0 | 7.0 | 24.0 | 21.0 | 4.0 | 4.0 | 4.0 | 6.0 | 7.3 |
| IS0091R | gamma_HCH | air+aerosol | 1.8 | 2.0 | 2.4 | 3.1 | 4.2 | 3.8 | 2.8 | 3.1 | 5.1 | 4.6 | 5.4 | 3.7 | 3.5 |
| NO0042G | gamma_HCH | air+aerosol | 4.1 | 5.8 | 8.8 | 5.4 | 10.7 | 9.9 | 5.5 | 4.5 | 7.3 | 9.3 | 14.4 | 5.5 | 7.6 |
| NO0099R | gamma_HCH | air+aerosol | 6.0 | 3.7 | 5.2 | 13.4 | 20.6 | 12.7 | 12.5 | 27.5 | 15.9 | 9.4 | 11.0 | 9.2 | 12.4 |
| SE0012R | gamma_HCH | air+aerosol | 7.0 | 2.0 | 9.0 | 21.0 | 21.0 | 35.0 | 18.0 | 8.0 | 10.0 | 7.0 | 6.0 | 5.0 | 12.7 |
| SE0014R | gamma_HCH | air+aerosol | 8.1 | 5.1 | 11.7 | 21.8 | 26.3 | - | 13.5 | 11.3 | 8.9 | 11.1 | 7.0 | 4.1 | 11.6 |
| FI0096R | HCB | air+aerosol | 38.0 | 37.0 | 54.0 | 59.0 | 22.0 | 22.0 | 28.0 | 16.0 | 38.0 | 47.0 | 47.0 | 45.0 | 38.0 |
| IS0091R | HCB | air+aerosol | 5.3 | 5.5 | 4.0 | 3.9 | 3.4 | 3.3 | 2.1 | 3.1 | 2.9 | 4.1 | 3.8 | 3.1 | 3.7 |
| NO0042G | HCB | air+aerosol | 90.6 | 43.2 | 43.7 | 41.7 | 50.1 | 52.7 | 76.2 | 48.8 | 71.7 | 51.9 | 52.6 | 44.3 | 55.9 |
| NO0099R | HCB | air+aerosol | 41.0 | 41.5 | 40.4 | 50.2 | 64.2 | 59.3 | 61.0 | 51.0 | 60.1 | 82.1 | 66.5 | 63.2 | 57.3 |
| NO0042G | acenaphtene | air+aerosol | 0.012 | 0.01 | 0.007 | 0.004 | 0.003 | 0.002 | 0.005 | 0.006 | 0.003 | 0.006 | 0.004 | 0.006 | 0.005 |
| NO0042G | acenaphtylene | air+aerosol | 0.007 | 0.006 | 0.006 | 0.005 | 0.002 | 0.002 | 0.004 | 0.002 | 0.001 | 0.001 | 0.001 | 0.007 | 0.004 |
| NO0042G | anthanthrene | air+aerosol | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.001 |
| CZ0003R | anthracene | air+aerosol | 0.394 | 0.41 | 0.219 | 0.165 | 0.002 | 0.047 | 0.002 | 0.055 | 0.02 | 0.147 | 0.238 | 1.189 | 0.233 |
| FI0096R | anthracene | air+aerosol | 0.007 | 0.005 | 0.002 | 0.003 | 0.001 | 0.001 | 0.003 | 0.004 | 0.004 | 0.011 | 0.003 | 0.001 | 0.004 |
| NO0042G | anthracene | air+aerosol | 0.004 | 0.002 | 0.001 | 0.001 | 0.002 | 0.001 | 0.001 | 0.011 | 0.001 | 0.001 | 0.001 | 0.005 | 0.003 |
| SE0012R | anthracene | air+aerosol | 0.001 | 0.001 | 0.013 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.003 | 0.005 | 0.001 | 0.031 | 0.005 |
| SE0014R | anthracene | air+aerosol | 0.01 | 0.004 | 0.006 | 0.007 | 0.003 | 0.002 | 0.003 | 0.003 | 0.005 | 0.026 | 0.035 | 0.09 | 0.016 |
| CZ0003R | benz_a_anthracene | air+aerosol | 0.974 | 1.06 | 0.546 | 0.491 | 0.021 | 0.011 | 0.007 | 0.015 | 0.039 | 0.254 | 0.785 | 2.453 | 0.536 |
| FI0096R | benz_a_anthracene | air+aerosol | 0.034 | 0.028 | 0.03 | 0.05 | 0.003 | 0.001 | 0.032 | 0.043 | 0.083 | 0.093 | 0.04 | 0.002 | 0.037 |
| NO0042G | benz_a_anthracene | air+aerosol | 0.011 | 0.007 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.015 | 0.004 |
| SE0012R | benz_a_anthracene | air+aerosol | 0.001 | 0.024 | 0.047 | 0.006 | 0.005 | 0.012 | 0.001 | 0.001 | 0.006 | 0.197 | 0.072 | 0.036 | 0.028 |
| SE0014R | benz_a_anthracene | air+aerosol | 0.049 | 0.03 | 0.046 | 0.032 | 0.01 | 0.004 | 0.02 | 0.024 | 0.022 | 0.047 | 0.097 | 0.251 | 0.052 |
| CZ0003R | benzo_a_pyrene | air+aerosol | 0.793 | 1.42 | 0.665 | 0.574 | 0.028 | 0.015 | 0.013 | 0.013 | 0.052 | 0.305 | 0.858 | 2.332 | 0.566 |
| FI0096R | benzo_a_pyrene | air+aerosol | 0.024 | 0.023 | 0.016 | 0.027 | 0.003 | 0.001 | 0.026 | 0.033 | 0.053 | 0.066 | 0.026 | 0.001 | 0.025 |
| LT0015R | benzo_a_pyrene | air+aerosol | 0.98 | 0.84 | 0.78 | 0.5 | 0.22 | 0.15 | 0.23 | 0.22 | 0.48 | 1.24 | 1.51 | 1.45 | 0.716 |
| NO0042G | benzo_a_pyrene | air+aerosol | 0.006 | 0.008 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.009 | 0.003 |
| SE0012R | benzo_a_pyrene | air+aerosol | 0.001 | 0.072 | 0.101 | 0.001 | 0.009 | 0.001 | 0.001 | 0.001 | 0.021 | 0.405 | 0.183 | 0.08 | 0.061 |
| SE0014R | benzo_a_pyrene | air+aerosol | 0.055 | 0.021 | 0.05 | 0.038 | 0.011 | 0.003 | 0.015 | 0.023 | 0.028 | 0.053 | 0.123 | 0.348 | 0.063 |
| NO0042G | benzo_e_pyrene | air+aerosol | 0.018 | 0.014 | 0.005 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.003 | 0.007 | 0.004 |
| FI0096R | benzo_ghi_perylene | air+aerosol | 0.03 | 0.025 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.005 | 0.003 | 0.023 | 0.006 | 0.004 | 0.009 |
| NO0042G | benzo_ghi_perylene | air+aerosol | 0.017 | 0.012 | 0.005 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.018 | 0.005 |
| SE0012R | benzo_ghi_perylene | air+aerosol | 0.001 | 0.114 | 0.134 | 0.001 | 0.028 | 0.001 | 0.001 | 0.001 | 0.001 | 0.206 | 0.247 | 0.019 | 0.058 |
| SE0014R | benzo_ghi_perylene | air+aerosol | 0.089 | 0.025 | 0.068 | 0.059 | 0.017 | 0.005 | 0.007 | 0.015 | 0.025 | 0.051 | 0.141 | 0.324 | 0.068 |
| NO0042G | biphenyl | air+aerosol | 1.834 | 2.818 | 0.771 | 0.1 | 0.023 | 0.014 | 0.058 | 0.078 | 0.13 | 0.278 | 0.426 | 0.959 | 0.553 |
| NO0042G | chrysene_triphenylene | air+aerosol | 0.043 | 0.027 | 0.008 | 0.001 | 0.002 | 0.001 | 0.002 | 0.001 | 0.001 | 0.003 | 0.005 | 0.04 | 0.011 |
| IS0091R | cis_CD | air+aerosol | 0.302 | 0.24 | 0.37 | 0.4 | 0.496 | 0.51 | 0.891 | 0.815 | 0.826 | 0.686 | 0.81 | 0.729 | 0.592 |
| NO0042G | cis_CD | air+aerosol | 0.796 | 0.8 | 1.025 | 0.864 | 0.94 | 0.752 | 0.642 | 0.793 | 0.774 | 0.87 | 1.077 | 0.772 | 0.839 |
| NO0042G | cis_NO | air+aerosol | 0.041 | 0.072 | 0.035 | 0.052 | 0.115 | 0.098 | 0.1 | 0.117 | 0.12 | 0.095 | 0.12 | 0.046 | 0.085 |
| NO0042G | coronene | air+aerosol | 0.005 | 0.005 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.004 | 0.002 |
| NO0042G | dibenzo_ac_ah_anthracenes | air+aerosol | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.001 |
| NO0042G | dibenzofuran | air+aerosol | 2.464 | 4.004 | 1.387 | 0.283 | 0.044 | 0.032 | 0.067 | 0.071 | 0.199 | 0.416 | 0.543 | 1.043 | 0.768 |
| NO0042G | dibenzothiophene | air+aerosol | 0.022 | 0.016 | 0.009 | 0.002 | 0.001 | 0.002 | 0.003 | 0.002 | 0.002 | 0.005 | 0.007 | 0.015 | 0.007 |
| IS0091R | dieldrin | air+aerosol | 0.718 | 0.73 | 1.002 | 1.035 | 1.663 | 1.82 | 0.704 | 0.487 | 0.965 | 0.6 | 0.945 | 0.619 | 0.941 |
| CZ0003R | fluoranthene | air+aerosol | 4.571 | 3.993 | 3.191 | 2.606 | 0.524 | 0.499 | 0.33 | 0.384 | 0.464 | 1.69 | 4.25 | 9.606 | 2.607 |
| FI0096R | fluoranthene | air+aerosol | 0.23 | 0.2 | 0.08 | 0.03 | 0.03 | 0.03 | 0.05 | 0.07 | 0.02 | 0.19 | 0.09 | 0.05 | 0.089 |

| Site | Component | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO0042G | fluoranthene | air+aerosol | 0.092 | 0.069 | 0.023 | 0.007 | 0.016 | 0.007 | 0.011 | 0.009 | 0.006 | 0.01 | 0.016 | 0.099 | 0.03 |
| SE0012R | fluoranthene | air+aerosol | 0.45 | 0.38 | 0.85 | 0.19 | 0.15 | 1.07 | 0.11 | 0.09 | 0.12 | 2.49 | 1.58 | 1.24 | 0.664 |
| SE0014R | fluoranthene | air+aerosol | 0.489 | 0.249 | 0.344 | 0.3 | 0.134 | 0.057 | 0.103 | 0.114 | 0.129 | 0.346 | 0.61 | 1.314 | 0.343 |
| CZ0003R | fluorene | air+aerosol | 5.607 | 5.654 | 3.848 | 3.098 | 0.556 | 0.698 | 0.452 | 0.789 | 0.977 | 2.513 | 6.897 | 10.397 | 3.367 |
| NO0042G | fluorene | air+aerosol | 1.008 | 2.112 | 0.222 | 0.047 | 0.011 | 0.016 | 0.037 | 0.029 | 0.027 | 0.087 | 0.18 | 0.448 | 0.306 |
| CZ0003R | inden_123cd_pyrene | air+aerosol | 0.925 | 1.342 | 0.721 | 0.54 | 0.035 | 0.017 | 0.012 | 0.017 | 0.069 | 0.339 | 0.882 | 2.316 | 0.58 |
| FI0096R | inden_123cd_pyrene | air+aerosol | 0.032 | 0.034 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.009 | 0.005 | 0.014 | 0.005 | 0.005 | 0.011 |
| NO0042G | inden_123cd_pyrene | air+aerosol | 0.012 | 0.011 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.02 | 0.005 |
| SE0012R | inden_123cd_pyrene | air+aerosol | 0.001 | 0.095 | 0.171 | 0.004 | 0.039 | 0.001 | 0.001 | 0.001 | 0.001 | 0.179 | 0.035 | 1.714 | 0.189 |
| SE0014R | inden_123cd_pyrene | air+aerosol | 0.085 | 0.029 | 0.068 | 0.058 | 0.015 | 0.004 | 0.006 | 0.019 | 0.023 | 0.049 | 0.131 | 0.351 | 0.069 |
| NO0042G | N1methylphenanthrene | air+aerosol | 0.008 | 0.005 | 0.002 | 0.003 | 0.004 | 0.004 | 0.007 | 0.006 | 0.002 | 0.003 | 0.003 | 0.009 | 0.005 |
| NO0042G | N2methylanthracene | air+aerosol | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.007 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 |
| NO0042G | N2methylphenanthrene | air+aerosol | 0.013 | 0.008 | 0.004 | 0.005 | 0.006 | 0.007 | 0.013 | 0.009 | 0.005 | 0.005 | 0.005 | 0.014 | 0.008 |
| NO0042G | naphtalene | air+aerosol | 3.631 | 1.687 | 0.443 | 0.34 | 0.63 | 0.06 | 0.144 | 0.264 | 0.061 | 0.227 | 0.512 | 1.646 | 0.769 |
| NO0042G | op_DDD | air+aerosol | 0.012 | 0.059 | 0.01 | 0.017 | 0.014 | 0.01 | 0.01 | 0.011 | 0.012 | 0.018 | 0.037 | 0.024 | 0.019 |
| NO0042G | op_DDE | air+aerosol | 0.21 | 0.25 | 0.25 | 0.11 | 0.04 | 0.026 | 0.016 | 0.026 | 0.02 | 0.052 | 0.197 | 0.158 | 0.107 |
| IS0091R | op_DDT | air+aerosol | 0.107 | 0.117 | 0.102 | 0.107 | 0.11 | 0.19 | 0.052 | 0.052 | 0.055 | 0.057 | 0.053 | 0.05 | 0.089 |
| NO0042G | op_DDT | air+aerosol | 0.34 | 0.45 | 0.475 | 0.264 | 0.13 | 0.098 | 0.082 | 0.116 | 0.102 | 0.206 | 0.628 | 0.34 | 0.257 |
| CZ0003R | PCB_101 | air+aerosol | 26.2 | 11.75 | 13.5 | 17 | 14.6 | 13.875 | 20.2 | 19.75 | 17 | 9.2 | 6.5 | 6.25 | 14.875 |
| FI0096R | PCB_101 | air+aerosol | 0.381 | 0.755 | 0.861 | 0.93 | 0.615 | 0.854 | 1.952 | 1.986 | 0.454 | 0.631 | 0.494 | 0.504 | 0.867 |
| IS0091R | PCB_101 | air+aerosol | 0.33 | 0.35 | 0.307 | 0.317 | 0.325 | 0.33 | 1.93 | 1.601 | 1.811 | 1.706 | 1.65 | 1.615 | 1.026 |
| NO0042G | PCB_101 | air+aerosol | 0.186 | 0.657 | 0.288 | 0.436 | 0.418 | 0.486 | 0.618 | 0.603 | 0.35 | 0.647 | 0.962 | 0.503 | 0.51 |
| SE0012R | PCB_101 | air+aerosol | 0.602 | 0.325 | 0.657 | 0.955 | 1.307 | 3.092 | 3.799 | 1.855 | 1.192 | 1.276 | 0.762 | 0.59 | 1.381 |
| SE0014R | PCB_101 | air+aerosol | 1.713 | 1.171 | 1.323 | 2.27 | 2.289 | 2.796 | 6.717 | 10.321 | 4.717 | 2.156 | 1.8 | 0.927 | 3.216 |
| IS0091R | PCB_105 | air+aerosol | 0.262 | 0.293 | 0.255 | 0.265 | 0.27 | 0.275 | 0.21 | 0.205 | 0.214 | 0.226 | 0.22 | 0.21 | 0.241 |
| NO0042G | PCB_105 | air+aerosol | 0.022 | 0.045 | 0.053 | 0.022 | 0.041 | 0.07 | 0.07 | 0.093 | 0.01 | 0.056 | 0.2 | 0.04 | 0.058 |
| NO0042G | PCB_114 | air+aerosol | 0.016 | 0.025 | 0.055 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.015 |
| CZ0003R | PCB_118 | air+aerosol | 4.8 | 1.5 | 1.875 | 2.5 | 3 | 2.375 | 4.4 | 0.5 | 2.875 | 3.6 | 4.5 | 2.5 | 2.952 |
| FI0096R | PCB_118 | air+aerosol | 0.142 | 0.128 | 0.193 | 0.237 | 0.131 | 0.304 | 0.369 | 0.469 | 0.094 | 0.156 | 0.132 | 0.001 | 0.195 |
| IS0091R | PCB_118 | air+aerosol | 0.214 | 0.232 | 0.205 | 0.21 | 0.215 | 0.22 | 0.102 | 0.105 | 0.107 | 0.168 | 0.11 | 0.218 | 0.175 |
| NO0042G | PCB_118 | air+aerosol | 0.082 | 0.108 | 0.12 | 0.098 | 0.132 | 0.22 | 0.264 | 0.269 | 0.173 | 0.288 | 0.607 | 0.263 | 0.217 |
| SE0012R | PCB_118 | air+aerosol | 0.21 | 0.12 | 0.238 | 0.354 | 0.525 | 0.865 | 1.289 | 0.681 | 0.393 | 0.404 | 0.276 | 0.212 | 0.469 |
| SE0014R | PCB_118 | air+aerosol | 0.502 | 0.325 | 0.383 | 0.675 | 0.719 | 0.904 | 2.332 | 3.663 | 1.657 | 0.665 | 0.581 | 0.401 | 1.078 |
| NO0042G | PCB_122 | air+aerosol | 0.017 | 0.035 | 0.062 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.016 |
| NO0042G | PCB_123 | air+aerosol | 0.017 | 0.025 | 0.06 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.015 |
| NO0042G | PCB_128 | air+aerosol | 0.024 | 0.02 | 0.065 | 0.032 | 0.055 | 0.01 | 0.09 | 0.01 | 0.01 | 0.01 | 0.06 | 0.01 | 0.032 |
| CZ0003R | PCB_138 | air+aerosol | 13.2 | 6.75 | 7.5 | 6.25 | 6.8 | 5.625 | 7.8 | 7.5 | 7.5 | 9.2 | 18.25 | 20 | 9.663 |
| FI0096R | PCB_138 | air+aerosol | 0.145 | 0.149 | 0.245 | 0.238 | 0.136 | 0.257 | 0.541 | 0.718 | 0.135 | 0.197 | 0.173 | 0.002 | 0.243 |
| IS0091R | PCB_138 | air+aerosol | 0.211 | 0.232 | 0.205 | 0.21 | 0.215 | 0.22 | 0.26 | 0.257 | 0.268 | 0.283 | 0.272 | 0.43 | 0.255 |
| NO0042G | PCB_138 | air+aerosol | 0.059 | 0.067 | 0.092 | 0.014 | 0.152 | 0.2 | 0.238 | 0.2 | 0.094 | 0.215 | 0.832 | 0.276 | 0.198 |
| SE0012R | PCB_138 | air+aerosol | 0.305 | 0.171 | 0.327 | 0.488 | 0.605 | 1.019 | 1.338 | 0.52 | 0.48 | 0.539 | 0.356 | 0.249 | 0.536 |
| SE0014R | PCB_138 | air+aerosol | 0.977 | 0.622 | 0.884 | 1.632 | 1.71 | 2.22 | 5.493 | 8.85 | 3.903 | 1.701 | 1.363 | 0.973 | 2.559 |
| NO0042G | PCB_141 | air+aerosol | 0.018 | 0.03 | 0.035 | 0.028 | 0.039 | 0.01 | 0.032 | 0.034 | 0.01 | 0.027 | 0.185 | 0.032 | 0.038 |
| NO0042G | PCB_149 | air+aerosol | 0.11 | 0.093 | 0.15 | 0.148 | 0.224 | 0.24 | 0.24 | 0.256 | 0.167 | 0.269 | 0.678 | 0.259 | 0.234 |
| CZ0003R | PCB_153 | air+aerosol | 16.4 | 8.75 | 10.25 | 9 | 8.8 | 8.625 | 11.2 | 10.5 | 15.5 | 13.8 | 17.25 | 15.25 | 12.144 |
| FI0096R | PCB_153 | air+aerosol | 0.157 | 0.233 | 0.329 | 0.331 | 0.196 | 0.252 | 0.714 | 1.129 | 0.166 | 0.254 | 0.173 | 0.001 | 0.326 |
| IS0091R | PCB_153 | air+aerosol | 0.211 | 0.232 | 0.205 | 0.21 | 0.215 | 0.22 | 0.21 | 0.205 | 0.214 | 0.226 | 0.22 | 0.21 | 0.214 |
| NO0042G | PCB_153 | air+aerosol | 0.116 | 0.103 | 0.14 | 0.14 | 0.219 | 0.21 | 0.254 | 0.259 | 0.166 | 0.31 | 1.443 | 0.34 | 0.296 |
| SE0012R | PCB_153 | air+aerosol | 0.393 | 0.199 | 0.421 | 0.568 | 0.699 | 1.332 | 1.68 | 0.612 | 0.576 | 0.702 | 0.442 | 0.289 | 0.661 |
| SE0014R | PCB_153 | air+aerosol | 1.245 | 0.811 | 1.015 | 1.911 | 1.996 | 2.733 | 6.234 | 9.62 | 4.367 | 1.914 | 1.55 | 0.968 | 2.897 |
| IS0091R | PCB_156 | air+aerosol | 0.158 | 0.175 | 0.152 | 0.157 | 0.162 | 0.165 | 0.052 | 0.052 | 0.055 | 0.057 | 0.053 | 0.052 | 0.107 |
| NO0042G | PCB_156 | air+aerosol | 0.024 | 0.045 | 0.08 | 0.024 | 0.012 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 |
| NO0042G | PCB_157 | air+aerosol | 0.02 | 0.04 | 0.073 | 0.01 | 0.017 | 0.01 | 0.018 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.019 |
| NO0042G | PCB_167 | air+aerosol | 0.02 | 0.035 | 0.062 | 0.01 | 0.019 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.022 | 0.01 | 0.018 |
| NO0042G | PCB_170 | air+aerosol | 0.083 | 0.1 | 0.19 | 0.034 | 0.041 | 0.066 | 0.096 | 0.08 | 0.01 | 0.042 | 0.047 | 0.024 | 0.065 |
| NO0042G | PCB_18 | air+aerosol | 2.395 | 3.143 | 2.54 | 2.318 | 2.446 | 3.718 | 4.096 | 4.728 | 2.274 | 6.041 | 2.508 | 2.225 | 3.286 |

| Site | Component | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CZ0003R | PCB_180 | air+aerosol | 6 | 4.5 | 4 | 2.75 | 3 | 3.125 | 3 | 2.5 | 2.5 | 5.6 | 18.25 | 24.75 | 6.49 |
| FI0096R | PCB_180 | air+aerosol | 0.071 | 0.131 | 1.245 | 0.097 | 0.075 | 0.046 | 0.145 | 0.262 | 0.029 | 0.042 | 0.005 | 0.005 | 0.179 |
| IS0091R | PCB_180 | air+aerosol | 0.107 | 0.117 | 0.102 | 0.107 | 0.11 | 0.11 | 0.17 | 0.105 | 0.107 | 0.2 | 0.197 | 0.239 | 0.139 |
| NO0042G | PCB_180 | air+aerosol | 0.061 | 0.035 | 0.127 | 0.05 | 0.09 | 0.154 | 0.118 | 0.15 | 0.01 | 0.065 | 0.148 | 0.046 | 0.087 |
| SE0012R | PCB_180 | air+aerosol | 0.108 | 0.075 | 0.132 | 0.131 | 0.142 | 0.302 | 0.336 | 0.105 | 0.155 | 0.21 | 0.124 | 0.076 | 0.157 |
| SE0014R | PCB_180 | air+aerosol | 0.398 | 0.184 | 0.377 | 0.618 | 0.563 | 0.766 | 1.949 | 3.273 | 1.444 | 0.682 | 0.592 | 0.727 | 0.975 |
| NO0042G | PCB_183 | air+aerosol | 0.044 | 0.04 | 0.09 | 0.018 | 0.03 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.09 | 0.03 | 0.03 |
| NO0042G | PCB_187 | air+aerosol | 0.094 | 0.037 | 0.085 | 0.036 | 0.043 | 0.058 | 0.034 | 0.01 | 0.01 | 0.028 | 0.23 | 0.034 | 0.055 |
| NO0042G | PCB_189 | air+aerosol | 0.083 | 0.113 | 0.207 | 0.01 | 0.017 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.038 |
| NO0042G | PCB_194 | air+aerosol | 0.044 | 0.135 | 0.263 | 0.012 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.039 |
| NO0042G | PCB_206 | air+aerosol | 0.072 | 0.18 | 0.35 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.05 |
| NO0042G | PCB_209 | air+aerosol | 0.038 | 0.115 | 0.22 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.034 |
| CZ0003R | PCB_28 | air+aerosol | 17.6 | 11.75 | 17.25 | 21.75 | 30 | 16.875 | 25.6 | 29.5 | 24.75 | 10.8 | 8.5 | 9 | 18.798 |
| FI0096R | PCB_28 | air+aerosol | 0.886 | 1.049 | 1.382 | 1.821 | 1.768 | 2.761 | 5.782 | 4.151 | 1.21 | 1.355 | 0.99 | 1.641 | 2.065 |
| IS0091R | PCB_28 | air+aerosol | 1.699 | 1.517 | 1.326 | 1.375 | 1.405 | 1.432 | 1.771 | 1.752 | 1.825 | 4.224 | 1.865 | 3.097 | 1.948 |
| NO0042G | PCB_28 | air+aerosol | 1.388 | 1.837 | 1.587 | 1.868 | 2.174 | 3.864 | 4.626 | 5.143 | 2.061 | 5.901 | 1.715 | 1.493 | 2.919 |
| SE0012R | PCB_28 | air+aerosol | 0.898 | 0.518 | 1.115 | 1.719 | 2.068 | 1.45 | 1.732 | 1.26 | 0.839 | 1.683 | 1.27 | 1.258 | 1.309 |
| SE0014R | PCB_28 | air+aerosol | 2.175 | 1.49 | 1.807 | 2.656 | 1.98 | 2.014 | 4.089 | 5.383 | 2.266 | 1.865 | 2.301 | 1.887 | 2.518 |
| IS0091R | PCB_31 | air+aerosol | 1.559 | 1.457 | 1.276 | 1.325 | 1.353 | 1.377 | 1.979 | 1.962 | 2.039 | 2.155 | 2.083 | 3.003 | 1.8 |
| NO0042G | PCB_31 | air+aerosol | 1.429 | 1.505 | 1.485 | 1.616 | 1.99 | 3.65 | 4.27 | 4.651 | 1.986 | 5.472 | 1.547 | 1.399 | 2.692 |
| NO0042G | PCB_33 | air+aerosol | 1.322 | 1.41 | 1.275 | 1.524 | 1.877 | 3.43 | 4.152 | 4.377 | 1.85 | 5.299 | 1.307 | 1.268 | 2.535 |
| NO0042G | PCB_37 | air+aerosol | 0.072 | 0.098 | 0.158 | 0.176 | 0.313 | 0.6 | 0.74 | 0.667 | 0.267 | 0.817 | 0.2 | 0.159 | 0.375 |
| NO0042G | PCB_47 | air+aerosol | 0.254 | 0.22 | 0.34 | 0.36 | 0.605 | 0.924 | 1.116 | 1.238 | 0.633 | 1.42 | 0.543 | 0.514 | 0.711 |
| CZ0003R | PCB_52 | air+aerosol | 27.6 | 8.75 | 16.75 | 18.75 | 18.8 | 12.625 | 25.6 | 24.75 | 27.25 | 23.2 | 20.25 | 29 | 21.317 |
| FI0096R | PCB_52 | air+aerosol | 0.806 | 1.007 | 1.615 | 2.297 | 1.861 | 3.257 | 5.685 | 5.091 | 1.453 | 1.31 | 1.431 | 1.483 | 2.27 |
| IS0091R | PCB_52 | air+aerosol | 0.968 | 0.99 | 0.866 | 0.9 | 0.921 | 0.938 | 0.887 | 0.879 | 1.387 | 1.61 | 0.93 | 1.678 | 1.08 |
| NO0042G | PCB_52 | air+aerosol | 0.921 | 1.352 | 1.19 | 0.92 | 0.948 | 1.35 | 1.6 | 1.58 | 0.91 | 1.915 | 1.068 | 0.85 | 1.233 |
| SE0012R | PCB_52 | air+aerosol | 0.881 | 0.514 | 1.077 | 1.427 | 1.632 | 1.923 | 2.713 | 1.376 | 0.958 | 1.488 | 1.13 | 1.099 | 1.352 |
| SE0014R | PCB_52 | air+aerosol | 2.345 | 1.671 | 2.867 | 3.859 | 2.59 | 2.809 | 6.5 | 8.261 | 3.58 | 2.118 | 2.244 | 1.493 | 3.405 |
| NO0042G | PCB_60 | air+aerosol | 0.04 | 0.055 | 0.073 | 0.054 | 0.087 | 0.1 | 0.122 | 0.124 | 0.1 | 0.152 | 0.078 | 0.064 | 0.09 |
| NO0042G | PCB_66 | air+aerosol | 0.158 | 0.175 | 0.323 | 0.232 | 0.375 | 0.58 | 0.67 | 0.693 | 0.343 | 0.776 | 0.46 | 0.338 | 0.44 |
| NO0042G | PCB_74 | air+aerosol | 0.098 | 0.097 | 0.143 | 0.124 | 0.215 | 0.27 | 0.332 | 0.3 | 0.15 | 0.407 | 0.225 | 0.18 | 0.22 |
| NO0042G | PCB_99 | air+aerosol | 0.091 | 0.1 | 0.145 | 0.106 | 0.189 | 0.14 | 0.2 | 0.173 | 0.14 | 0.208 | 0.397 | 0.198 | 0.174 |
| NO0042G | perylene | air+aerosol | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.001 |
| CZ0003R | phenanthrene | air+aerosol | 11.283 | 11 | 7.637 | 5.304 | 1.838 | 2.28 | 1.718 | 2.233 | 1.855 | 5.025 | 12.668 | 18.654 | 6.651 |
| FI0096R | phenanthrene | air+aerosol | 0.41 | 0.45 | 0.24 | 0.11 | 0.12 | 0.19 | 0.35 | 0.45 | 0.1 | 0.52 | 0.2 | 0.14 | 0.274 |
| NO0042G | phenanthrene | air+aerosol | 0.178 | 0.139 | 0.042 | 0.025 | 0.026 | 0.028 | 0.048 | 0.035 | 0.022 | 0.028 | 0.028 | 0.134 | 0.059 |
| SE0012R | phenanthrene | air+aerosol | 2.39 | 1.22 | 1.78 | 0.9 | 0.66 | 0.67 | 0.7 | 0.63 | 0.73 | 3.89 | 2.34 | 2.38 | 1.425 |
| SE0014R | phenanthrene | air+aerosol | 1.318 | 0.643 | 0.726 | 0.764 | 0.429 | 0.224 | 0.379 | 0.408 | 0.515 | 1.178 | 1.705 | 2.774 | 0.907 |
| CZ0003R | pp_DDD | air+aerosol | 1.8 | 1.125 | 1.25 | 2 | 1.2 | 1.625 | 1.8 | 2.25 | 2 | 12.1 | 30.875 | 22.5 | 6.519 |
| FI0096R | pp_DDD | air+aerosol | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.07 | 0.005 | 0.005 | 0.01 |
| IS0091R | pp_DDD | air+aerosol | 0.158 | 0.175 | 0.152 | 0.157 | 0.162 | 0.165 | 0.157 | 0.155 | 0.162 | 0.171 | 0.163 | 0.145 | 0.161 |
| NO0042G | pp_DDD | air+aerosol | 0.058 | 0.054 | 0.008 | 0.019 | 0.028 | 0.01 | 0.01 | 0.021 | 0.008 | 0.042 | 0.145 | 0.022 | 0.034 |
| SE0014R | pp_DDD | air+aerosol | 0.182 | 0.108 | 0.167 | 0.422 | 0.217 | - | 0.376 | 0.417 | 0.358 | 0.138 | 0.173 | 0.57 | 0.287 |
| CZ0003R | pp_DDE | air+aerosol | 13.2 | 31.75 | 46.25 | 52.5 | 35.8 | 36.75 | 35.4 | 49 | 50.25 | 30 | 23.75 | 14.25 | 34.423 |
| FI0096R | pp_DDE | air+aerosol | 0.53 | 0.76 | 0.82 | 0.39 | 0.2 | 0.25 | 0.52 | 0.46 | 0.11 | 0.55 | 0.8 | 1.15 | 0.556 |
| IS0091R | pp_DDE | air+aerosol | 0.167 | 0.117 | 0.289 | 0.162 | 0.158 | 0.11 | 0.21 | 0.205 | 0.214 | 0.226 | 0.22 | 0.195 | 0.19 |
| NO0042G | pp_DDE | air+aerosol | 1.22 | 1.3 | 0.85 | 0.48 | 0.238 | 0.16 | 0.11 | 0.212 | 0.129 | 0.485 | 5.47 | 1.354 | 0.918 |
| SE0012R | pp_DDE | air+aerosol | 1.65 | 0.53 | 2.84 | 1.27 | 1.18 | 1.77 | 1.97 | 0.8 | 0.7 | 5.68 | 2.66 | 1.6 | 1.748 |
| SE0014R | pp_DDE | air+aerosol | 3.218 | 2.218 | 2.883 | 3.138 | 2.774 | - | 3.584 | 4.235 | 1.286 | 2.23 | 4.059 | 1.692 | 2.819 |
| CZ0003R | pp_DDT | air+aerosol | 4.8 | 7 | 8 | 10.25 | 7 | 7.5 | 4.6 | 6.75 | 9.25 | 13 | 11.25 | 8.5 | 8.096 |
| FI0096R | pp_DDT | air+aerosol | 0.005 | 0.005 | 0.005 | 0.005 | 0.14 | 0.21 | 0.4 | 0.005 | 0.005 | 0.15 | 0.005 | 0.005 | 0.077 |
| IS0091R | pp_DDT | air+aerosol | 0.105 | 0.117 | 0.206 | 0.107 | 0.11 | 0.138 | 0.53 | 0.517 | 0.537 | 0.58 | 0.547 | 0.49 | 0.304 |
| NO0042G | pp_DDT | air+aerosol | 0.18 | 0.275 | 0.125 | 0.102 | 0.074 | 0.068 | 0.068 | 0.111 | 0.048 | 0.108 | 0.428 | 0.166 | 0.139 |
| SE0014R | pp_DDT | air+aerosol | 1.45 | 0.423 | 1.204 | 1.853 | 2.107 | - | 2.363 | 2.33 | 2.074 | 1.267 | 1.408 | 0.421 | 1.54 |
| CZ0003R | pyrene | air+aerosol | 3.109 | 3.054 | 2.137 | 1.745 | 0.248 | 0.276 | 0.157 | 0.259 | 0.266 | 1.154 | 3.027 | 6.919 | 1.809 |

| Site | Component | Matrix | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FI0096R | pyrene | air+aerosol | 0.13 | 0.11 | 0.04 | 0.02 | 0.02 | 0.01 | 0.03 | 0.04 | 0.02 | 0.14 | 0.05 | 0.02 | 0.052 |
| NO0042G | pyrene | air+aerosol | 0.055 | 0.037 | 0.014 | 0.004 | 0.014 | 0.005 | 0.009 | 0.008 | 0.004 | 0.005 | 0.008 | 0.065 | 0.019 |
| SE0012R | pyrene | air+aerosol | 0.21 | 0.14 | 0.31 | 0.06 | 0.06 | 0.02 | 0 | 0.02 | 0.05 | 0.9 | 0.59 | 0.49 | 0.213 |
| SE0014R | pyrene | air+aerosol | 0.304 | 0.143 | 0.21 | 0.189 | 0.072 | 0.031 | 0.049 | 0.06 | 0.093 | 0.253 | 0.442 | 0.945 | 0.228 |
| IS0091R | trans_CD | air+aerosol | 0.262 | 0.26 | 0.325 | 0.325 | 0.358 | 0.32 | 0.371 | 0.3 | 0.338 | 0.387 | 0.515 | 0.574 | 0.361 |
| NO0042G | trans_CD | air+aerosol | 0.574 | 0.627 | 0.755 | 0.55 | 0.285 | 0.194 | 0.126 | 0.156 | 0.137 | 0.264 | 0.477 | 0.434 | 0.37 |
| IS0091R | trans_NO | air+aerosol | 0.188 | 0.175 | 0.275 | 0.305 | 0.542 | 0.345 | 0.321 | 0.281 | 0.378 | 0.334 | 0.5 | 0.409 | 0.339 |
| NO0042G | trans_NO | air+aerosol | 0.661 | 0.628 | 0.87 | 0.772 | 0.859 | 0.586 | 0.486 | 0.588 | 0.55 | 0.668 | 0.933 | 0.644 | 0.685 |