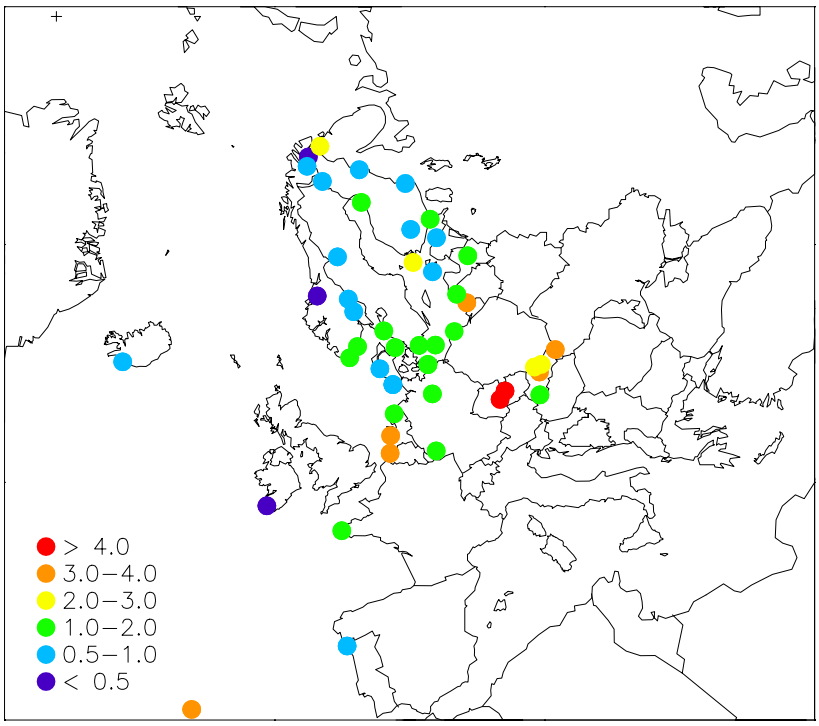
EMEP/CCC-Report 1/2003

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

# Heavy metals and POP measurements, 2001

**Wenche Aas and Anne-Gunn Hjellbrekke**




Pb in precipitation, µg/l.

**Norwegian Institute for Air Research**
PO Box 100, NO-2027 Kjeller, Norway
**Chemical Co-ordinating Centre of EMEP (CCC)**

NILU : EMEP/CCC-Report 1/2003
REFERENCE : O-95038 / O-99050
DATE : JULY 2003

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

# Heavy metals and POP measurements, 2001

**Wenche Aas and Anne-Gunn Hjellbrekke**

**Norwegian Institute for Air Research**
P.O. Box 100, N-2027 Kjeller, Norway

# Contents

Page

# Heavy metals and POP measurements, 2001

## 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 discussed at the Steering Body in September, 2003)

So far, six reports have been published (EMEP/CCC-Reports 8/96, 9/97, 7/98, 7/99, 2/2000, 9/2001, 9/2002) which present data on heavy metals and POPs from national and international measurement programmes for the period 1987 to 2000. The majority of the data are included in the priority lists for heavy metals and POPs. In this report data from 2001 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 2001, 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 2001 it was 22 sites measuring heavy metals in both compartments, and altogether it was 69 measurement sites. Mercury was measured at 15 sites.

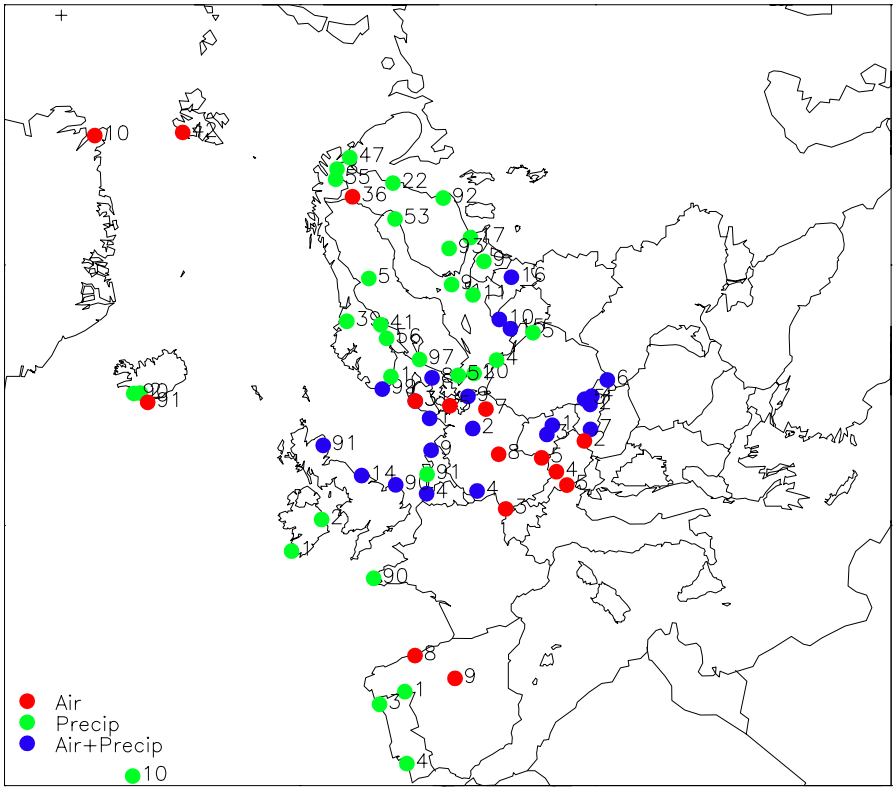



*Figure 1: Measurement network of heavy metals, 2001.*

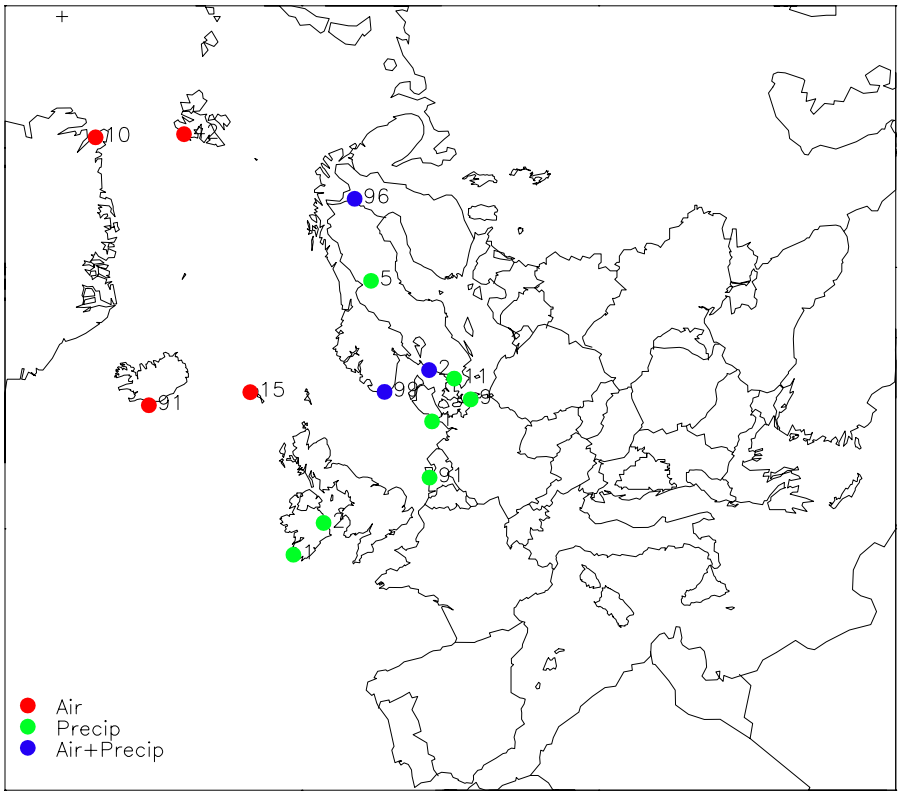



*Figure 2: Measurement network of mercury, 2001.*

*Table 1: Monitoring stations and the sampling program of heavy metals, 2001.*

| Country | Code | Station name | Latitude | | | | Longitude | | | | masl | Metals in air | Metals in precipitation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Austria** | AT0002R | Illmitz | 47 | 46 | 0 | N | 16 | 46 | 0 | E | 117 | Cd, Pb | |
| | 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 | Cd, Pb | |
| **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, 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, Pb, Mn, Ni | As, Cd, Cr, Co, Cu, Fe, Pb, Mn, Ni, V, Zn |
| | DE0003R | Schauinsland | 47 | 54 | 53 | N | 7 | 54 | 31 | E | 1205 | Cd, Cu, Pb, Mn, Ni | |
| | DE0004R | Deuselbach | 49 | 45 | 53 | N | 7 | 3 | 7 | E | 480 | Cd, Cu, Fe, Pb, Mn, Ni | As, Cd, Cr, Co, Cu, Fe, Pb, Mn, Ni, V, Zn |
| | DE0005R | Brotjacklriegel | 48 | 49 | 10 | N | 13 | 13 | 9 | E | 1016 | Cd, Cu, Pb, Mn, Ni | |
| | DE0007R | Neuglobsow | 53 | 10 | 0 | N | 13 | 2 | 0 | E | 65 | As, Cd, Cu, Pb, Mn, Ni | |
| | DE0008R | Schmücke | 50 | 39 | 0 | N | 10 | 46 | 0 | E | 937 | Cd, Cu, Pb, Mn, Ni | |
| | DE0009R | Zingst | 54 | 26 | 0 | N | 12 | 44 | 0 | E | 1 | As, Cd, Cu, 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 |
| | DK0010G | Nord, Greenland | 81 | 36 | 0 | N | 16 | 40 | 12 | W | 20 | As, Cr, Cu, Pb, Mn, Ni, Zn, Hg | |
| | DK0011G | Nuuk | 64 | 10 | 48 | N | 51 | 39 | 0 | W | 340 | As, Cr, Cu, Pb, Mn, Ni, Zn, Hg | |
| | DK0015G | Thorshavn | 62 | 0 | 57 | N | 6 | 45 | 36 | W | 35 | Hg | |
| | 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 | |

*Table 1, cont.*

| Country | Code | Station name | Latitude | | | | Longitude | | | | masl | Metals in air | Metals in precipitation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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, V, Zn |
| | 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 |
| **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, Ti, Zn | As, Cd, Cr, Cu, Pb, Ni, Ti, Zn |
| | GB0090R | East Ruston | 52 | 48 | 0 | N | 1 | 28 | 0 | E | 5 | As, Cd, Cr, Cu, Pb, Ni, Ti, Zn | As, Cd, Cr, Cu, Pb, Ni, Ti, Zn |
| | GB0091R | Banchory | 57 | 5 | 0 | N | 2 | 32 | 0 | W | 120 | As, Cd, Cr, Cu, Pb, Ni, Ti, Zn | As, Cd, Cr, Cu, Pb, Ni, Ti, 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** | IS0002R | Irafoss | 64 | 5 | 0 | N | 21 | 1 | 0 | W | 66 | | Al, As, Cd, Cr, Cu, Fe, Pb, Mn, Ni, V, Zn |
| | 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 | |
| **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 | Cd, Cu, Pb, Ni, Zn | Cd, Cu, Pb, Zn |
| | LV0016R | Zoseni | 57 | 7 | 59 | N | 25 | 55 | 0 | E | 183 | Cd, Cu, Pb, Ni, Zn | Cd, Cu, Pb, Zn |
| **Netherlands** | NL0009R | Kollumerwaard | 53 | 20 | 2 | N | 6 | 16 | 38 | E | 1 | As, Cd, Pb, Zn | As, Cd, Cr, Co, Cu, Fe, Pb, Ni, V, Zn |
| | NL0091R | De Zilk | 52 | 18 | 0 | N | 4 | 30 | 0 | E | 4 | | As, Cd, Cr, Cu, Pb, Hg, Ni, Zn |

*Table 1, cont.*

| Country | Code | Station name | Latitude | | | | Longitude | | | | hosl | Metals in air | Metals in precipitation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 |
| **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 |
| **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 |
| **Sweden** | SE0002R | Rörvik | 57 | 25 | 0 | N | 11 | 56 | 0 | E | 10 | Hg | Hg |
| | SE0005R | Bredkälen | 63 | 51 | 0 | N | 15 | 19 | 59 | E | 404 | | Cd, Cr, Cu, Pb, Mn, Hg, Ni, V, Zn |
| | SE0011R | Vavihill | 56 | 1 | 0 | N | 13 | 9 | 0 | E | 175 | | Hg |
| | SE0051R | Arup | 55 | 45 | 0 | N | 13 | 40 | 0 | E | 157 | | As, Cd, Cr, Cu, Pb, 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 | Cd, Cr, Cu, Pb, Mn, Ni, Zn | Al, Cd, Fe, Pb, Mn, Zn |
| | SK0004R | Stará Lesná | 49 | 9 | 0 | N | 20 | 17 | 0 | E | 808 | Cd, Cr, Cu, Pb, Mn, Ni, Zn | Al, Cd, Fe, Pb, Mn, Zn |
| | SK0005R | Liesek | 49 | 22 | 0 | N | 19 | 40 | 59 | E | 892 | Cd, Cr, Cu, Pb, Mn, Ni, Zn | Al, Cd, Fe, Pb, Mn, Zn |
| | SK0006R | Starina | 49 | 3 | 0 | N | 22 | 16 | 0 | E | 345 | Cd, Cr, Cu, Pb, Mn, Ni, Zn | Al, Cd, Fe, Pb, Mn, Zn |
| | SK0007R | Topolniky | 47 | 57 | 36 | N | 17 | 51 | 38 | E | 113 | Cd, Cr, Cu, Pb, Mn, Ni, Zn | Al, Cd, Fe, Pb, Mn, Zn |

It is quite evident from Figure 1-2 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 new monitoring requirements are given where heavy metals shall be a compulsory part of the monitoring program for all EMEP parties, this will hopefully improve the distribution network. The sites will now be differentiated into three levels, "Core sites level 1" is the basic group of EMEP sites and these shall include measurements of heavy metal in precipitation, about 80 sites in Europe. At "Core sites level 2" (supersites), heavy metals in both air and precipitation should be measured simultaneously at around 20 stations evenly distributed over the domain. Level three sites should be established to carry out more specialized measurements, which are voluntary under the EMEP program. At these sites there could be organized measurement campaign and more detailed studies on e.g. size distribution and chemical speciation of the different mercury compounds.

## 2.2 Monitoring sites for POPs

The locations of the measurement sites, which have delivered POPs for 2001, are shown in Figure 3 and Table 2. In 2001 it was 6 sites measuring POPs in both air and precipitation, and altogether it was 13 measurement sites.

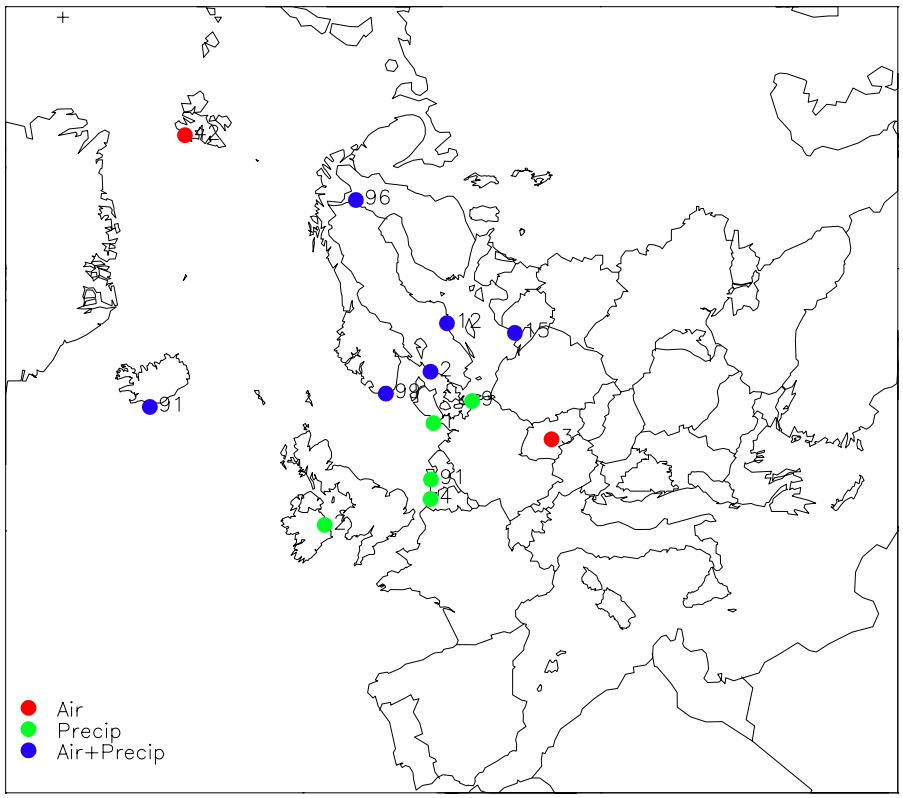



*Figure 3: Monitoring network of POPs in EMEP, 2001.*

*Table 2: Monitoring stations and their sampling program of POP, 2001.*

| Country | Code | Name | Latitude | Longitude | masl | 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 | PAHs, PCBs |
| **Ireland** | IE0002R | Turlough Hill | 53 2 12 N | 6 24 0 W | 420 | | PCBs, pesticides, 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 | Benzo(a)pyrene | Benzo(a)pyrene |
| **Netherlands** | NL0091R | De Zilk | 52 18 0 N | 4 30 0 E | 4 | | γHCH |
| **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 | PAHs, PCBs |
| | SE0012R | Aspvreten | 58 48 0 N | 17 23 0 E | 20 | PAHs, PCBs | PAHs, PCBs |

As for heavy metal measurements, the distribution and number of sites measuring POPs are insufficient. Since POP measurements are very demanding, such measurements are not expected to be monitored at the Core site level 1 as they are defined in the new monitoring strategy (see chapter 2.1). But at "Core sites level 2" (supersites), POPs in both air and precipitation should be measured at around 20 stations distributed over the domain. The following are considered to be priority compounds: PAHs, PCBs HCB, chlordane, HCHs and DDTs. "Level 3" sites are for more specialized measurements and these are voluntary under the EMEP program. These may be used for campaign studies and more detailed studies on e.g. congener specific measurements of compounds such as PCDDs and PCDFs.

## 2.3 Sampling and analytical techniques

A brief summary of the sampling and analytical techniques used for the 2001-data are given in Table 3 and Table 4 for heavy metals and POPs respectively.

*Table 3: Measurement methods for heavy metals, 2001.*

| Country | Precipitation | | Air and aerosols | | Laboratory method | Participated in EMEP lab. Intercomp.[1] |
|---|---|---|---|---|---|---|
| | Field method | Frequenzy | Field method | Frequenzy | | |
| 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 | 24h a week | Cr, As: ICP-MS<br>Ni, Cd, Cu, Pb: GF-AAS,<br>Zn: F-AAS | yes |
| Germany | DE1,9: Wet-only<br>DE2,4:Bulk | Weekly<br>Daily at DE2, weekly at DE4 | High Vol., $PM_{10}$ | 10 days | ICP-MS | yes |
| Hg | Wet-only | Weekly | | | CV-AFS | |
| Denmark | Bulk | Monthly | Filter-3pack | Daily at DK5,8,31 and weekly at DK10,11 | Precip: ICP-MS<br>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 | | ICP-MS | yes |
| Hg | Bulk (Hg) | Monthly | Hg: gold traps | | 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 | Weekly | Filter-1pack | Weekly | GF-AAS | yes |
| Latvia | Bulk | Monthly | Filter-1pack | Weekly | GF-AAS, Zn: F-AAS | yes |
| Netherlands | Wet-only | Monthly | Filter-1pack | 24h every 2 days | ICP-MS | yes |
| Hg | Wet-only | Weekly | | | CV-AAS | |
| 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 | 5-30 min<br>24h a week | CV-AFS | |
| Poland | Wet-only | Biweekly | | | GF-AAS, Zn: F-AAS | yes |

*Table 3, cont.*

| Country | Precipitation | | Air and aerosols | | Laboratory method | Participated in EMEP lab. Intercomp.[1] |
|---|---|---|---|---|---|---|
| | Field method | Frequenzy | Field method | Frequenzy | | |
| Portugal | PT10: Wet-only,<br>PT1,3,4: Bulk | Weekly<br>Bulk | | | GF-AAS, Zn: F-AAS | no |
| Sweden<br>Hg | Bulk<br>Bulk (Hg) | Monthly<br>Monthly | <br>Gold traps | <br>2 X 24 h a week | ICP-MS<br>CV-AFS | (yes)[2] |
| Slovakia | Wet-only | Monthly | Filter-1pack, Nitrocellulose filters Sartorius 47mm, 5-25 $m^3$/day | Weekly | GF-AAS, Zn: F-AAS | 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
F-AAS: Furnace Atomic Absorption Spectroscopy
ICP-MS: Inductively Coupled Plasma - Mass Spectrometry
CV-AAS: Cold Vapour Atomic Fluorescence spectroscopy

*Table 4: Measurement methods for POPs, 2001.*

| Country | Precipitation | | Air and aerosols | | Laboratory method |
|---|---|---|---|---|---|
| | Sampling method | frequenzy | Sampling method | frequenzy | |
| Belgium | Wet-only | Monthly | | | HPLC, GC-ECD |
| Czech rep. | Wet-only | Daily | HV-GRASEBY, PUR-foam 300 $m^3$/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 1 $m^2$/PUR foam) | Biweekly | PUF-foam 1000$m^3$/15days | Biweekly | GC-ECD |
| Lithuania | Bulk | Monthly | | Monthly | TLC |
| Netherlands | Bulk | Monthly | | | |
| Norway | Bulk, funnel and bottle of glass | Weekly | High Vol.Gelman AE filter + 2 PUR foams. 20m3/h | NO99: 24h a week<br>NO42: 48h a week | GC-MS |
| Sweden | Bulk | 1 w a month | High vol. | SE2: weekly,<br>SE12: 1 w a month | HPLC, GC-MS |

HPLC: High Performence 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 Maps of heavy metal concentrations over Europe

Annual averages of Pb, Cd and Hg from the 2001 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 appendix 1 and 2, these two criteria are often not met. However, several countries analyze heavy metals in air on one or two samples weekly from daily $PM_{10}$ aerosol samples. This will give poor data completeness, but the seasonal distribution and data coverage is anyhow satisfactory, and the annual average is probably a good estimate even though there are no measurements on the majority of the days.

In the data plots some of the most uncertain data are omitted. E.g. Belgium aerosol data are excluded because of inconsistency with the measurements from other countries; however, the data are shown in the annexes. In addition, Belgium reports two dataset from precipitation using either wet-only or bulk sampler. These data are very dissimilar and this is not due to dry deposition because the concentration is much higher in the wet only sampler. In the maps, data from the bulk sampler is included since these are more comparable to neighbouring sites.

Portugal has quite poor data capture as well as high detection limit for some elements. For this reason, the Portuguese precipitation measurements of cadmium at all sites and lead at two sites are excluded from the plots.

Because of high detection limit for mercury in precipitation for Ireland and Belgium, these data are also excluded from the data plots below.

Precipitation data from UK is only found in the appendixes and not in the data plots, because only deposition data are reported.

Data that only covers a few months of the year are not included in the maps, they are, however, shown in the annexes, i.e. precipitation data from PL05.

### *3.1.1 Lead in precipitation*

The lowest concentrations of Pb during 2001 are found in northern Scandinavia, Iceland, Ireland and Portugal, where the annual averages are below 1 µg Pb/l (Figure 4). An exception is Svanvik (NO47), which is located close to the large heavy metal emission sources at the Kola Peninsula in Russia. The highest concentrations are seen in The Czech republic, Slovakia and Lithuania with annual concentration means between 3.5 and 4.5 µg Pb/l.

### *3.1.2 Cadmium in precipitation*

In Scandinavia the annual mean values of Cd are below 0.05 µg Cd/l (Figure 5), with Svanvik (NO42) as an exception (0.16 µg Cd/l) due to emissions in Russia. An increasing gradient can be seen southeast. The highest concentrations of Cd are reported from Slovakia and The Czech republic, with about 0.4 µg Cd/l at the Slovakian station Chopok (SK02).

### *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. The concentrations are quite similar, (with the exception of the Belgium and Irish stations which are not included), and in the range 5-10 ng Hg/l for all the stations (Figure 6).

### *3.1.4 Lead in aerosols*

Figure 7 presents the annual averages of Pb in air in 2001. The lowest concentrations (below 1 ng Pb/m$^3$) can be seen at Svalbard, Iceland and Greenland. Concentration maxima are seen in Slovakia with concentrations between 10 and 16 ng Pb/m$^3$.

### *3.1.5 Cadmium in aerosols*

Cadmium in aerosols is presented in Figure 8. The lowest concentrations (below 0.10 ng Cd/m$^3$) are reported from the Nordic and the Scottish stations. An increasing gradient can be seen southeastward, with the concentration maxima at the Czech republic, with concentrations between 0.3 and 0.5 ng Cd/m$^3$ stations. In different from the other elements and previous years the cadmium concentrations in air in Slovakia in 2001 were relatively low, about 0.1 ng Cd/m$^3$.

### *3.1.6 Mercury in air*

Concentrations of mercury in air are in the range 1.3–1.7 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 OSPARCOM programme.

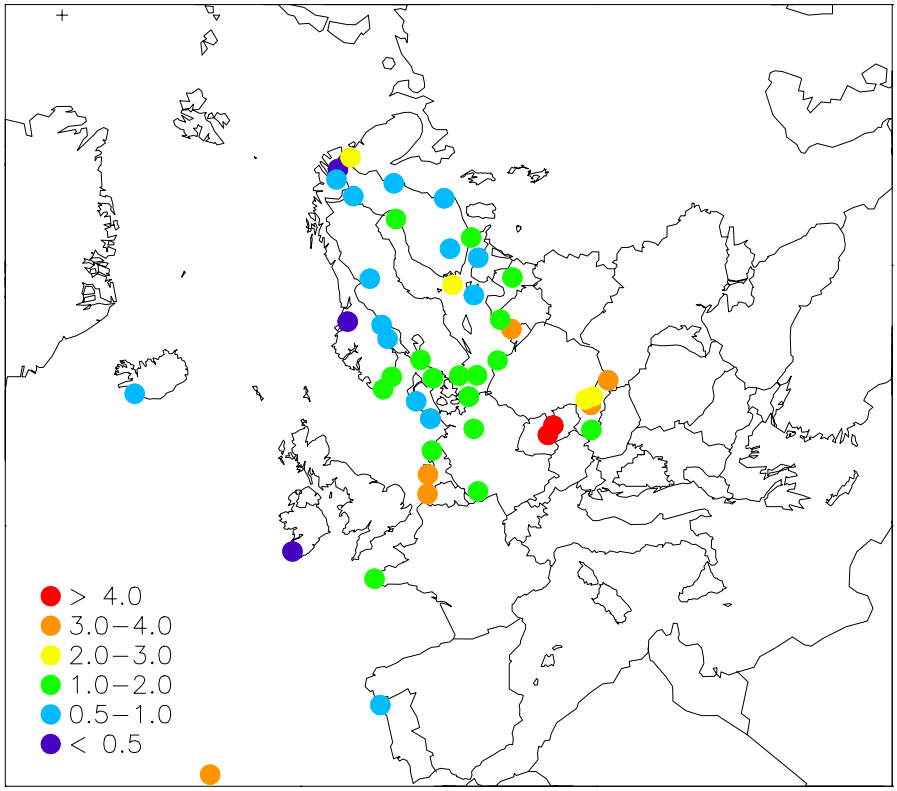



*Figure 4: Lead in precipitation, 2001 (µg/l).*

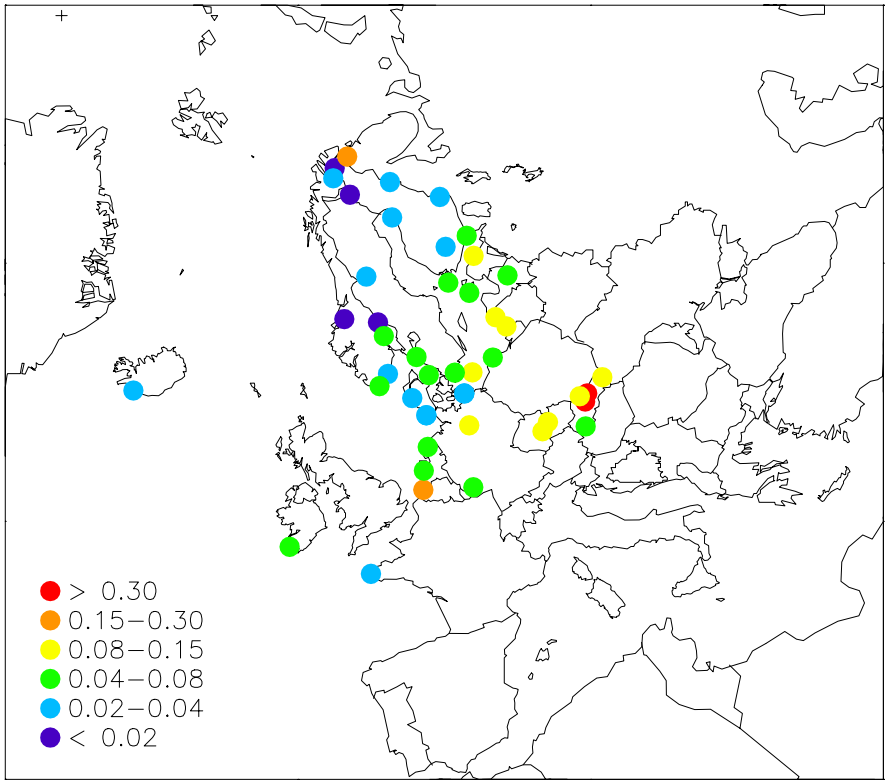



*Figure 5: Cadmium in precipitation, 2001 (µg/l).*

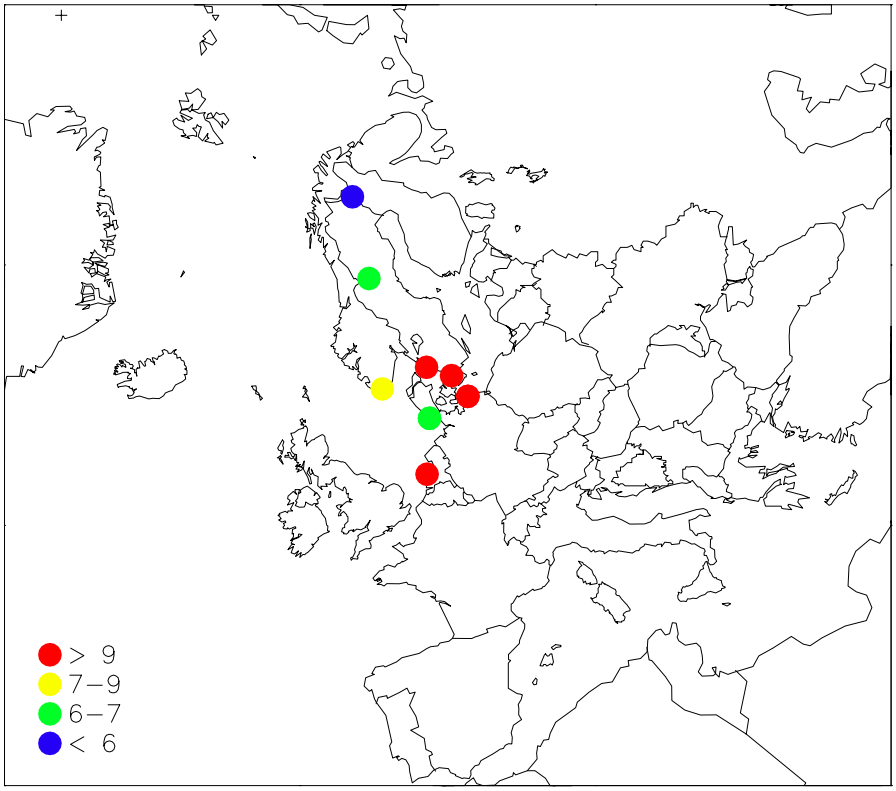



*Figure 6: Mercury in precipitation, 2001 (ng/l).*

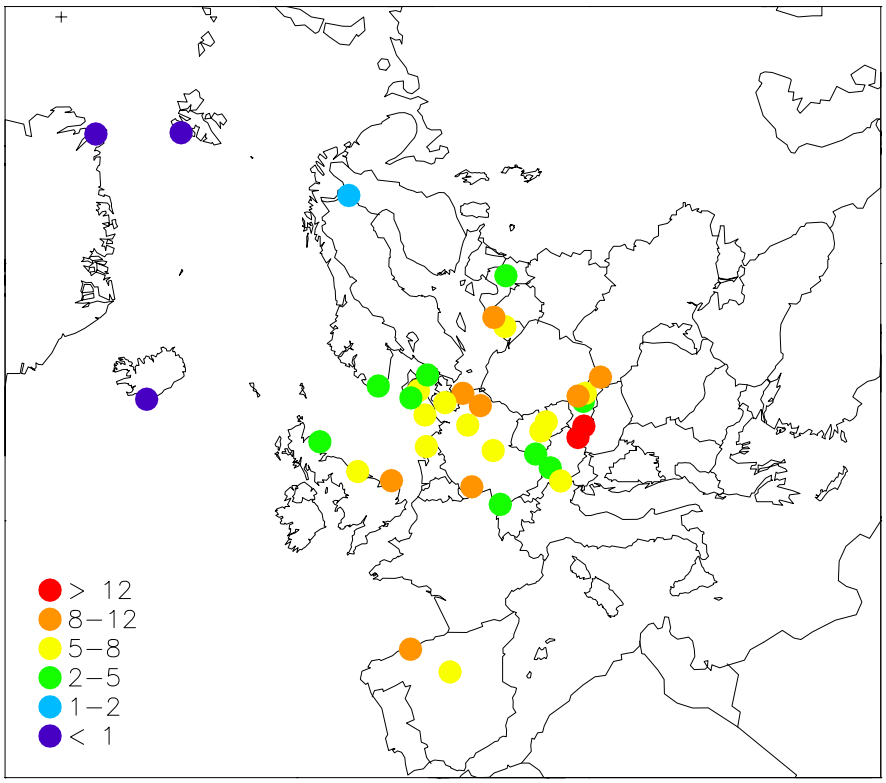



*Figure 7: Lead in aerosols, 2001 (ng/m³).*

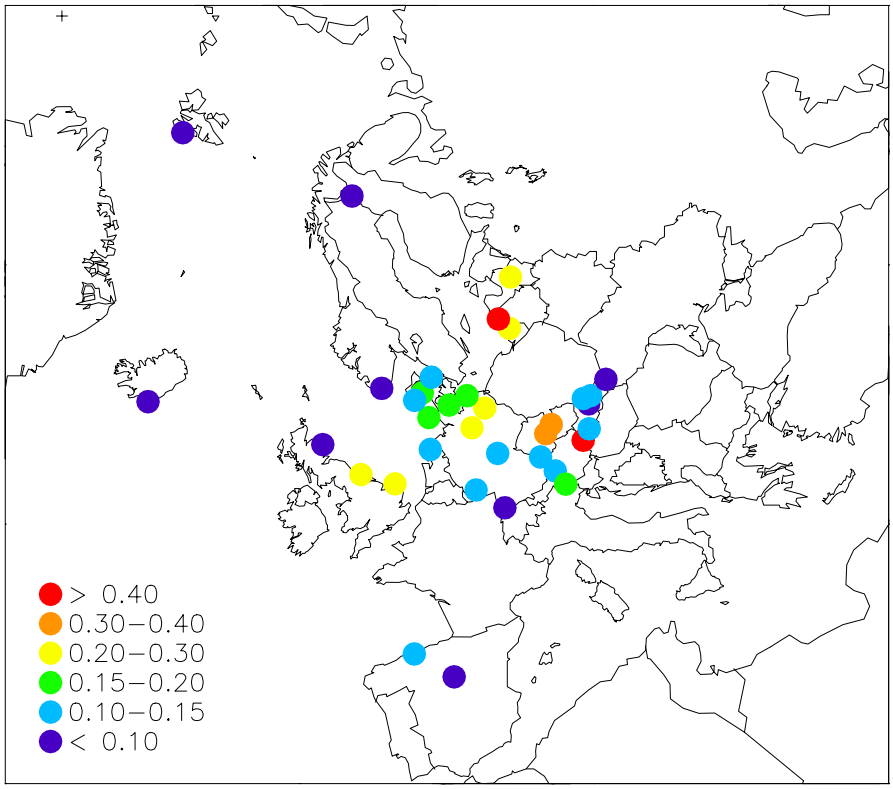



*Figure 8: Cadmium in aerosols, 2001 (ng/m³).*

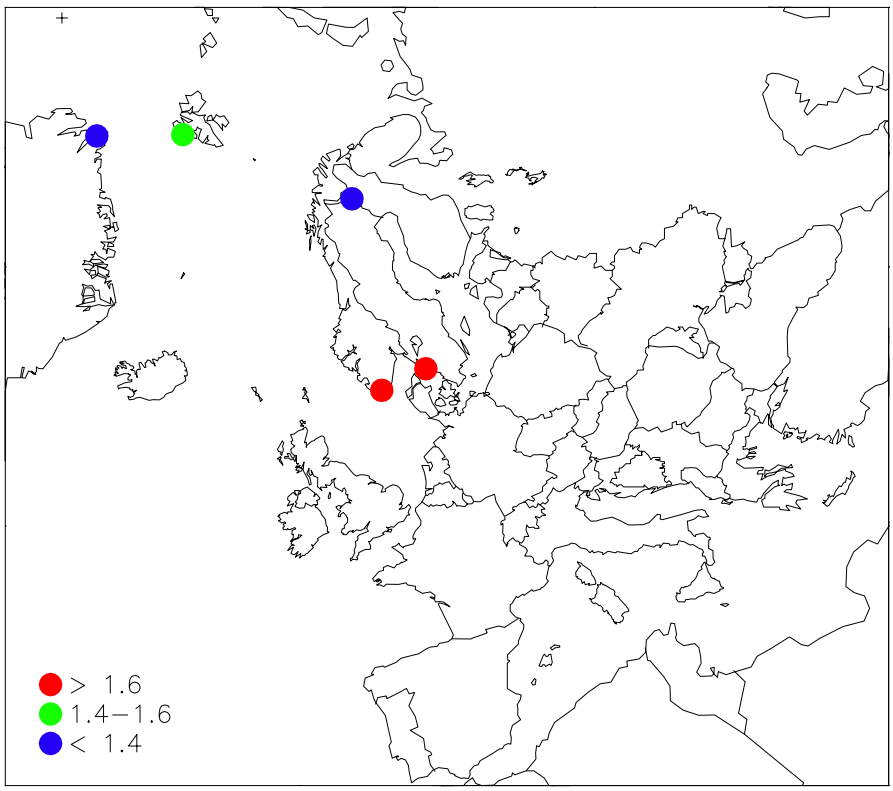



*Figure 9: Mercury in air, 2001 (ng/m³).*

## 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. SE2, SE12 and FI96 have the same type of precipitation sampler with 1 $m^2$ collection area. The 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. The deposition rates of PCBs at these stations show a decreasing trend from the southernmost station SE2 to the northernmost FI96. The Icelandic station has generally lower concentrations than the high Arctic (NO42), which is reasonable, considering the geographical location in relation to known source areas, but the differences are also due to different data handling and analysis techniques. Iceland subtracts blanks, whereas Norway does not. A number of data from Ireland and Belgium, and to some extent Iceland, has extremely high detection limits and one can only say something about the upper concentration limits at these sites.

### *3.2.1 Concentrations of benzo(a)pyrene*

Benzo(a)pyrene (and other PAHs) are rapidly destroyed by UV. In the absence of local sources, therefore, a pronounced seasonal trend is to be expected, which is seen at several stations (Figure 10). The emission sources, however, also have seasonal variations, with lowest emissions during the summer.

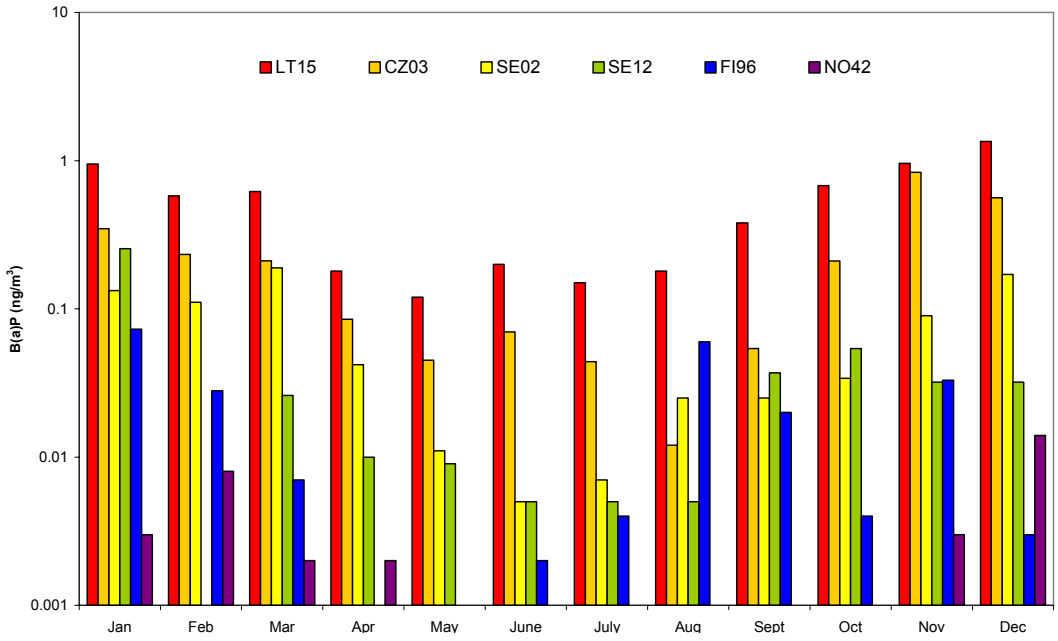



*Figure 10: Concentrations of benzo(a)pyrene in air+aerosol at EMEP-stations, 2001.*

## 3.3 Trends for heavy metals

Figure 11 shows temporal trends for Cd and Pb in atmospheric aerosols at a few selected stations with longer time series. The emissions of Cd and Pb have decreased in Europe in recent years and the concentration levels of both elements

show a significant reduction in air concentrations at sites in Germany, Slovakia and UK, Figure 11. In Norway, there is no significant trend for these two elements in air after 1990. A Mann Kendall test has been run to calculate the Sen's slope estimate for the time period 1989-2001, Table 5 (Gilbert, 1987; FMI, 2002). The annual average changes in air concentrations of Pb and Cd are calculated and as seen in Table 5 the highest reductions in absolute quantities for both elements are seen at the Slovakian site, but the percentage decrease in concentrations are relatively similar, 63-67% for cadmium and 64-76% for lead. Similar reductions in the concentrations in precipitation are also seen at those sites with long measurement program for precipitation.

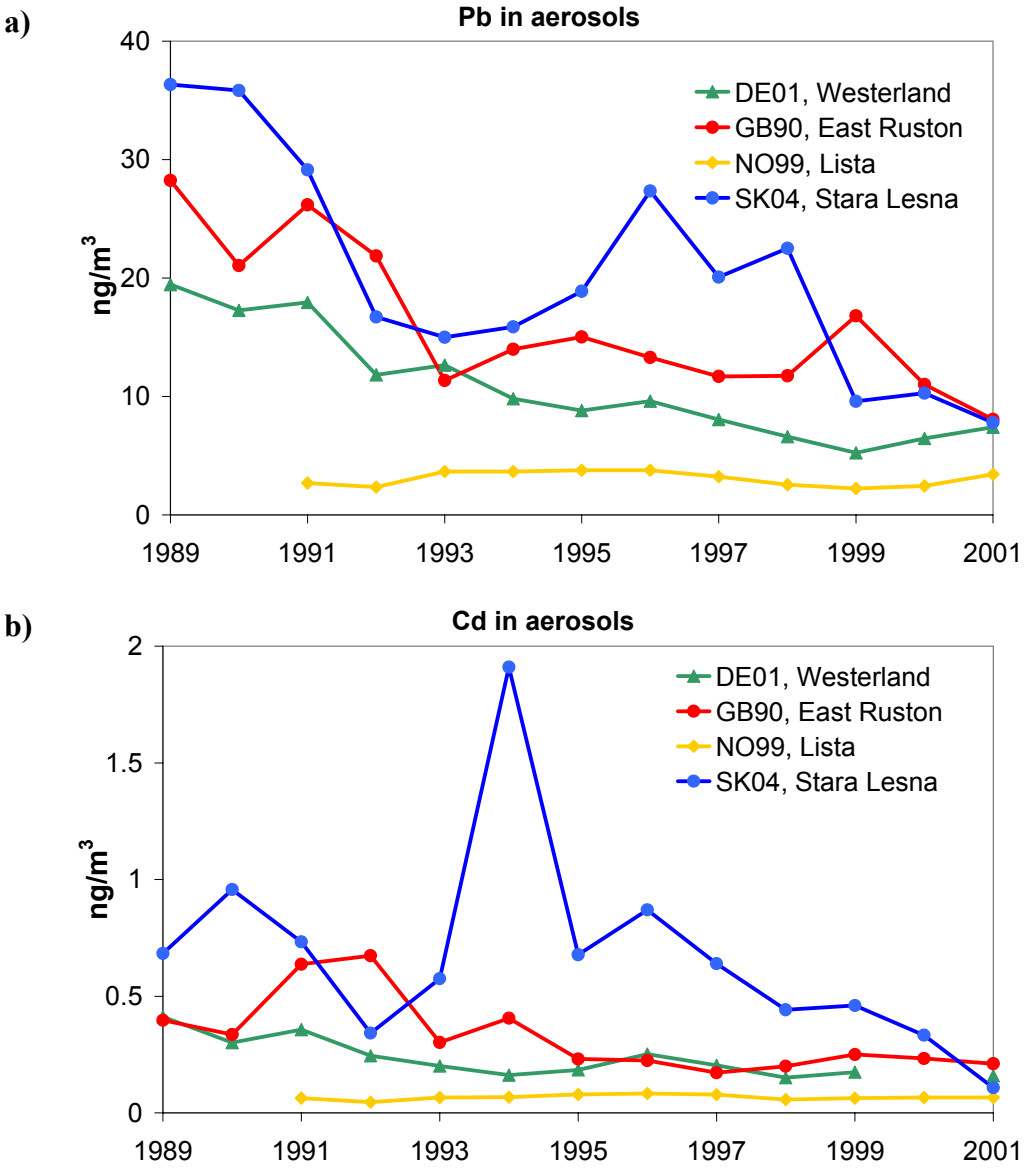



*Figure 11: Annual average concentrations of Pb (a) and Cd (b) in aerosols at four selected EMEP sites, 1989 –2001.*

*Table 5: Annual changes in air concentration and total percentage change for lead and cadmium in aerosols at three selected EMEP sites, 1989-2001 using the Sen's slope estimate.*

| Site | Pb | | Cd | |
|---|---|---|---|---|
| | ng/m$^3$year | change | ng/m$^3$year | change |
| DE01 | -1.068 | 76 % | -0.019 | 67 % |
| GB90 | -1.193 | 64 % | -0.021 | 63 % |
| SK04 | -1.788 | 72 % | -0.047 | 65 % |

### 3.4 Trends POPs

The main source of γ-HCH is use of the pesticide lindane, which consists of at least 99% of the γ-HCH isomer. The trend in atmospheric γ-HCH levels is decreasing (Figure 12a). In 1994 a maximum was observed at the sites NO99 and SE02, in the south of respectively Norway and Sweden. Also the level of the isomer α-HCH is decreasing (Figure 12b). The main source of α-HCH is use of technical HCH as a pesticide. Technical HCH contains 60-70% α-HCH, 5-12% β-HCH, 10-12% γ-HCH (which is the active pesticide component) and other minor components. Technical HCH is banned in most countries and replaced by lindane.

The general trend in atmospheric HCB levels is also decreasing. The important sources for HCB are production and use of chlorinated solvents and other chlorinated chemicals and various combustion reactions

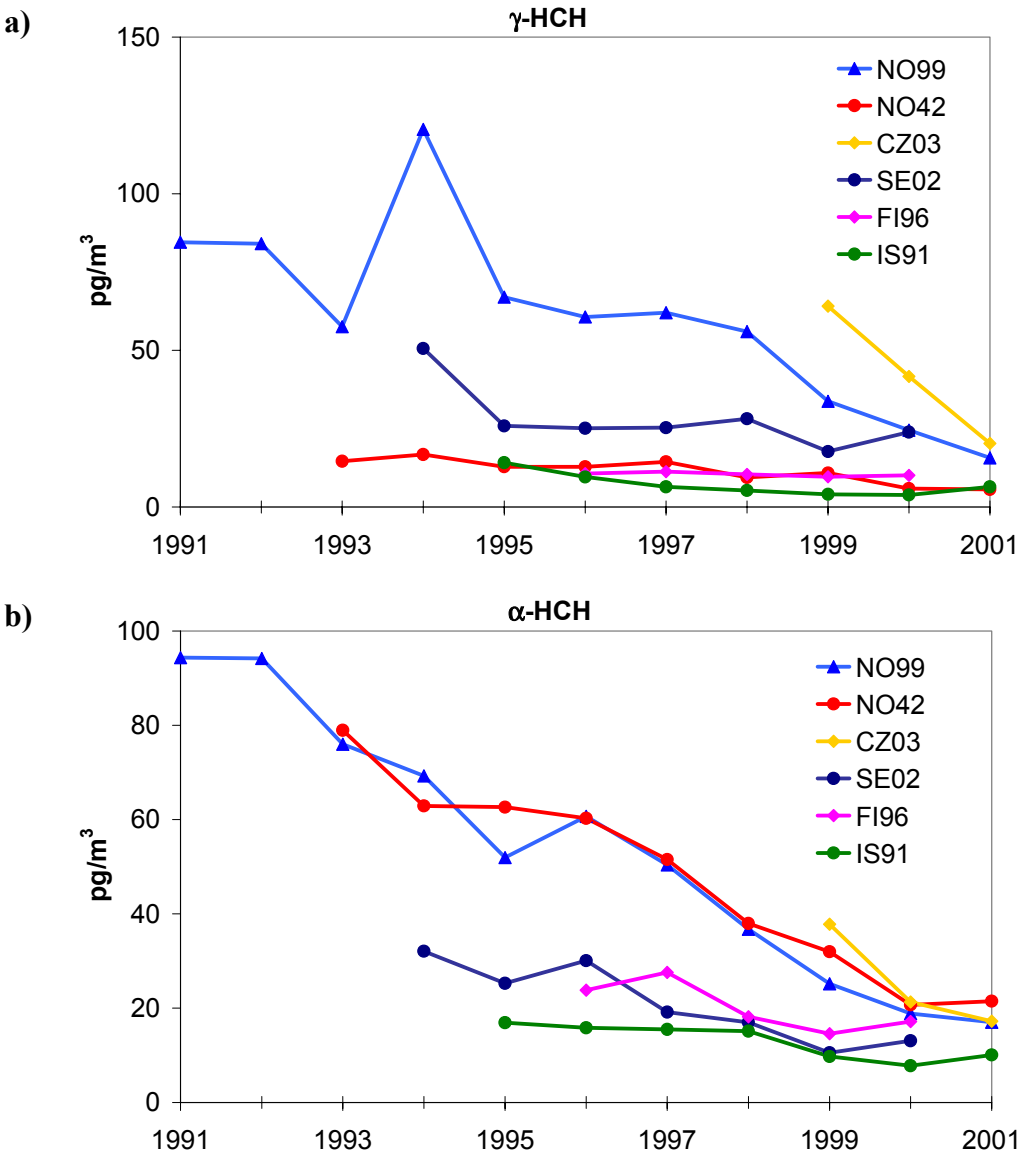



*Figure 12: Trend in annual average of γ-HCH (a)+ α-HCH (b) concentration in air and aerosols.*

### 3.5 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.

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:

$$sd_g = exp\,(sdlnc)$$

Min — is the minimum value reported for a specific component, and it is printed both for precipitation and air components.

50% — is the 50 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.

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.

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 6.

*Table 6: 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/$m^3$ | |

### 3.6 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.

### 3.7 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. August 2003. 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 hompegage 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.

The concentration level of α-HCH at both the Norwegian, the Icelandic, the Finish and one of the Swedish (SE2) stations are decreasing. The concentration level of γ-HCH at the Norwegian and the Icelandic stations are decreasing. For the other stations no clear trends can be noticed for the relatively short period of monitoring.

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 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 2001, can be seen below. The staff at CCC wishes to express their gratitude and appreciation for continued good co-operation and efforts.

| Country | Institute | Data reporter |
|---|---|---|
| Austria | Umweltbundesamt, Wien | Marina Fröhlich, froehlich@ubavie.gv.at |
| Belgium | Flemish Environmental Agency | Jasmine Dumollin, jasmine.dumollin@vmm.be |
| Czech Republic | Czech Hydrometeorological Institute | Jaroslav Pekarek, pekarek@chmi.cz |
| Denmark | National Environmental Research Institute | Kåre Kemp, kaare.kemp@dmu.dk |
| Estonia | Estonian Environmental Research Centre | Toivo Truuts toivo@klab.envir.ee |
| Finland | Finnish Meteorological Institute | Sirkka Leppanen sirkka.leppanen@fmi.fi |
| France | Laboratoire de Chimie Analytique | Jean Yves Cabon, jean-yves.cabon@univ.brest.fr |
| Germany | Umweltbundesamt, Berlin | Elke Bieber, elke.bieber@uba.de |
| Iceland | The Icelandic Meteorological Office | Johanna Thorlacius, johanna@vedur.is |
| Ireland | Environmental Protection Agency (EPA) | Ciaran O'Donnell, c.odonnell@epa.ie |
| Latvia | Latvian Hydrometeorological Agency | Darius Valiulis, valiulis@ar.fi.lt |
| Lithuania | Institute of Physics | Iraida Lyulko, epoc@meteo.lv |
| Netherlands | National Institute for Public Health and Environmental Protection (RIVM) | Arien Stolk, arien.stolk@rivm.nl |
| Norway | Norwegian Institute for Air Research (NILU) | Torunn Berg, TBe@nilu.no |
| Poland | Institute of Meteorology and Water Management | Gabriela Przybylska, atm_monitoring@imgw.pl |
| Portugal | Ministerio do Ambiente, Instituto de Meteorologia | Renato Carvalho, Renato.Carvalho@meteo.pt |
| Slovakia | Slovakian Hydrometereological Institute | Marta Mitosinkova, marta.mitosinkova@shmu.sk |
| Spain | Dirección General de Calidad y Evaluacíon Ambiental | San Miguel Fernández FSanmiguel@mma.es |
| Sweden | Swedish Water and Air Pollution Research Institute (IVL) | Karin Sjöberg, Karin.sjoberg@ivl.se |
| United Kingdom | AEA Technology | Keith Vincent, keith.vincent@aeat.co.uk |

## 6. References

Bartnicki, J. (1998) Heavy metals Eulerian transport model – HMET model description and results. Oslo (DNMI Research Report, No. 65).

Benezet, J.H. and Matsumara, F. (1973) Izomerization of γ-BHC to α-BHC in the environment. *Nature, 243,* 480-481.

Berg, T. and Hjellbrekke, A.-G. (1998) Heavy metals and POPs within the ECE region. Supplementary data for 1989-1996. Kjeller, Norwegian Institute for Air Research (EMEP/CCC-Report 7/98).

Berg, T. and Hjellbrekke, A.-G. (1999) Heavy metals and POPs within the ECE region 1997. Kjeller, Norwegian Institute for Air Research (EMEP/CCC-Report 7/99).

Berg, T., Hjellbrekke, A.-G. and Larsen, R. (2000) Heavy metals and POPs in Europe 1998. Kjeller, Norwegian Institute for Air Research (EMEP/CCC-Report 2/2000).

Berg, T., Hjellbrekke, A.-G. and Larsen, R. (2001) Heavy metals and POPs within the EMEP region 1999. Kjeller, Norwegian Institute for Air Research (EMEP/CCC-Report 9/2001).

Berg, T., Hjellbrekke, A.-G. and Larsen, R. (2002) Heavy metals and POPs within the EMEP region 2000. Kjeller, Norwegian Institute for Air Research (EMEP/CCC-Report 9/2002).

Berg, T., Hjellbrekke, A.-G. and Ritter, N. (1997) Heavy metals and POPs within the ECE region. Additional data. Kjeller, Norwegian Institute for Air Research (EMEP/CCC-Report 9/97).

Berg, T., Hjellbrekke, A.-G. and Skjelmoen, J.E. (1996*)* Heavy metals and POPs within the ECE region. Kjeller, Norwegian Institute for Air Research (EMEP/CCC-Report 8/96).

Breivik, K., Pacyna, J. and Münch, J. (1999) Use of α-, β- and γ-hexachlorocyclo-hexane in Europe, 1970–1996. *Sci. Tot. Environ., 239,* 151-163.

EMEP/CCC (1996) Manual for sampling and chemical analysis. Kjeller (EMEP/CCC-Report 1/1995, revision 1/2001). Online at http://www.nilu.no/projects/ccc/manual/index.html

FMI (2002) Mann-Kendall test and Sen's slope estimates for the trend of annual data, version 1.0 Freeware MAKESENS 1.0. Copyright Finnish Meteorological Institute, can be downloaded from http://www.emep.int/index_assessment.html

Gilbert, R.O. (1987) Statistical methods for environmental pollution monitoring. New York, Van Nostrand Reinhold.

Uggerud, H.T. and Skjelmoen, J.E. (2003) Analytical intercomparison of heavy metals in precipitation 2002. Kjeller, Norwegian Institute for Air Research (EMEP/CCC-Report 7/2003).

Uggerud, H.T., Hanssen, J.E., Schaug, J. and Skjelmoen, J.E. (2003) The twentieth intercomparison of analytical methods within EMEP. Kjeller, Norwegian Institute for Air Research (EMEP/CCC-Report 8/2003).

Winkler, P. and Roider, G. (1997) HELCOM-EMEP-PARCOM-AMAP Field Intercomparison of heavy metals in precipitation 1995. Offenbach, Umweltbundesamt.

WMO (1997) Report and proceedings of the workshop on the assessment of EMEP activities concerning heavy metals and persistent organic pollutants and their further development (Vol. 1). Geneva, WMO (Global Atmosphere Watch No. 117) pp. 18-32.

# Annex 1

# Annual statistics for heavy metals in precipitation

BE0004R Knokke Belgium bulk sampler

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.24 | 0.24 | 0.24 | 222.0 | 9 | 9 |
| Cd | 0.22 | 0.03 | 1.47 | 204.1 | 1 | 9 |
| Cu | 2.28 | 2.26 | 2.29 | 2109.2 | 9 | 9 |
| Pb | 3.31 | 1.66 | 8.54 | 3059.7 | 0 | 9 |
| Precip | - | 48.5 | 167.7 | 925.0 | 0 | 9 |
| Zn | 16.45 | 2.21 | 37.92 | 15214.5 | 2 | 9 |

BE0004R Knokke Belgium wet only sampler

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.24 | 0.24 | 0.25 | 182.4 | 13 | 13 |
| Cd | 0.57 | 0.09 | 1.63 | 425.1 | 0 | 13 |
| Cr | 0.95 | 0.80 | 2.18 | 715.1 | 0 | 13 |
| Cu | 2.57 | 2.06 | 7.31 | 1925.8 | 11 | 13 |
| Hg | 44.0 | 5 | 118 | 33079 | 5 | 13 |
| Ni | 1.40 | 0.88 | 2.90 | 1051.2 | 0 | 13 |
| Pb | 27.91 | 4.08 | 87.52 | 20927.4 | 0 | 13 |
| Precip | - | 13.7 | 134.2 | 749.8 | 0 | 13 |
| Zn | 34.48 | 16.57 | 88.14 | 25857.9 | 0 | 13 |

CZ0001R Svratouch Czech Republic

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Cd | 0.15 | 0.02 | 1.38 | 127.9 | 0 | 47 |
| Ni | 3.10 | 0.40 | 23.30 | 2635.3 | 0 | 48 |
| Pb | 4.29 | 0.40 | 17.30 | 3648.4 | 0 | 48 |
| Precip | - | 0.1 | 72.2 | 850.5 | 0 | 52 |

CZ0003R Kosetice Czech Republic

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Cd | 0.15 | 0.02 | 2.51 | 107.9 | 0 | 49 |
| Ni | 3.68 | 0.40 | 19.10 | 2677.1 | 0 | 49 |
| Pb | 4.60 | 0.40 | 11.70 | 3348.4 | 0 | 49 |
| Precip | - | 0.0 | 50.6 | 728.1 | 2 | 52 |

DE0001R Westerland Germany

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.12 | 0.07 | 0.42 | 76.2 | 0 | 40 |
| Cd | 0.03 | 0.01 | 0.10 | 18.0 | 3 | 40 |
| Co | 0.03 | 0.01 | 0.14 | 16.2 | 0 | 40 |
| Cr | 0.15 | 0.08 | 0.44 | 98.3 | 0 | 39 |
| Cu | 1.45 | 0.66 | 13.06 | 949.9 | 0 | 40 |
| Fe | 25.10 | 5.90 | 114.70 | 16481.0 | 0 | 40 |
| Hg | 6.34 | 1.40 | 23.30 | 4391.8 | 0 | 46 |
| Mn | 1.45 | 0.38 | 11.03 | 948.6 | 0 | 40 |
| Ni | 0.28 | 0.06 | 1.27 | 182.1 | 0 | 40 |
| Pb | 1.00 | 0.45 | 6.87 | 654.6 | 0 | 40 |
| Precip | - | 13.4 | 108.8 | 692.3 | 8 | 52 |
| V | 0.49 | 0.25 | 1.43 | 324.5 | 0 | 40 |
| Zn | 6.64 | 2.90 | 71.80 | 4355.9 | 0 | 40 |

DE0002R Langenbrugge Germany

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.16 | 0.02 | 1.00 | 104.5 | 0 | 148 |
| Cd | 0.13 | 0.02 | 1.95 | 84.5 | 0 | 148 |
| Co | 0.04 | 0.01 | 0.46 | 30.0 | 0 | 148 |
| Cr | 0.21 | 0.02 | 1.49 | 138.9 | 0 | 146 |
| Cu | 2.48 | 0.38 | 11.39 | 1659.6 | 0 | 146 |
| Fe | 46.70 | 7.00 | 408.00 | 31270.6 | 0 | 148 |
| Mn | 3.33 | 0.24 | 47.85 | 2226.5 | 0 | 147 |
| Ni | 0.75 | 0.09 | 7.42 | 504.8 | 0 | 144 |
| Pb | 1.63 | 0.40 | 15.66 | 1090.7 | 0 | 147 |
| Precip | - | 0.0 | 37.5 | 669.6 | 169 | 365 |
| V | 0.49 | 0.11 | 3.95 | 327.7 | 0 | 148 |
| Zn | 22.57 | 1.00 | 165.00 | 15113.8 | 0 | 148 |

DE0004R Deuselbach Germany

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.08 | 0.04 | 0.39 | 67.6 | 0 | 45 |
| Cd | 0.07 | 0.02 | 0.23 | 53.9 | 0 | 45 |
| Co | 0.04 | 0.01 | 0.50 | 36.6 | 0 | 45 |
| Cr | 0.18 | 0.05 | 0.85 | 144.7 | 0 | 45 |
| Cu | 3.24 | 0.75 | 11.65 | 2663.4 | 0 | 45 |
| Fe | 41.14 | 11.20 | 456.90 | 33859.7 | 0 | 45 |
| Mn | 3.42 | 0.70 | 37.10 | 2810.7 | 0 | 45 |
| Ni | 0.63 | 0.16 | 3.39 | 521.6 | 0 | 45 |
| Pb | 1.68 | 0.76 | 5.88 | 1381.8 | 0 | 45 |
| Precip | - | 0.0 | 55.8 | 823.0 | 5 | 53 |
| V | 0.35 | 0.13 | 1.84 | 291.0 | 0 | 45 |
| Zn | 15.98 | 7.10 | 146.00 | 13152.4 | 0 | 45 |

DE0009R Zingst Germany

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.12 | 0.07 | 0.79 | 80.7 | 0 | 38 |
| Cd | 0.04 | 0.02 | 0.16 | 22.9 | 0 | 38 |
| Co | 0.03 | 0.00 | 0.14 | 16.1 | 0 | 38 |
| Cr | 0.06 | 0.01 | 0.27 | 39.0 | 0 | 38 |
| Cu | 4.16 | 1.61 | 32.80 | 2726.6 | 0 | 38 |
| Fe | 20.27 | 2.60 | 137.30 | 13275.6 | 0 | 38 |
| Hg | 9.37 | 5.30 | 43.30 | 6133.0 | 0 | 42 |
| Mn | 2.12 | 0.30 | 20.90 | 1387.3 | 0 | 38 |
| Ni | 0.25 | 0.12 | 1.86 | 161.6 | 0 | 38 |
| Pb | 1.06 | 0.62 | 5.06 | 697.5 | 0 | 38 |
| Precip | - | 12.8 | 131.0 | 654.9 | 7 | 52 |
| V | 0.42 | 0.20 | 1.74 | 278.0 | 0 | 38 |
| Zn | 8.04 | 4.00 | 54.70 | 5254.2 | 0 | 38 |

DK0008R Anholt Denmark

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.31 | 0.15 | 0.55 | 177.6 | 0 | 10 |
| Cd | 0.06 | 0.02 | 0.13 | 31.8 | 0 | 11 |
| Cr | 0.23 | 0.17 | 0.32 | 133.8 | 0 | 11 |
| Cu | 0.95 | 0.52 | 1.28 | 540.4 | 0 | 11 |
| Fe | 55.20 | 28.38 | 101.88 | 31424.0 | 0 | 11 |
| Ni | 0.30 | 0.19 | 0.44 | 172.5 | 0 | 11 |
| Pb | 1.41 | 0.78 | 2.77 | 799.7 | 0 | 9 |
| Precip | - | 28.3 | 84.7 | 569.3 | 0 | 11 |
| Zn | 8.57 | 3.93 | 18.02 | 4878.0 | 0 | 11 |

DK0020R Pedersker, Bornholm Denmark

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.20 | 0.08 | 0.61 | 110.3 | 0 | 10 |
| Cd | 0.09 | 0.04 | 0.14 | 49.5 | 0 | 11 |
| Cr | 0.14 | 0.03 | 0.34 | 79.8 | 0 | 11 |
| Cu | 1.24 | 0.81 | 1.99 | 679.4 | 0 | 11 |
| Fe | 40.92 | 7.62 | 132.34 | 22510.8 | 0 | 10 |
| Ni | 0.28 | 0.10 | 0.58 | 153.9 | 0 | 10 |
| Pb | 1.32 | 0.57 | 4.18 | 725.8 | 0 | 10 |
| Precip | - | 25.9 | 125.6 | 550.0 | 0 | 11 |
| Zn | 12.46 | 7.59 | 27.77 | 6855.0 | 0 | 11 |

DK0031R Ulborg Denmark

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.12 | 0.05 | 0.20 | 122.6 | 0 | 12 |
| Cd | 0.03 | 0.01 | 0.05 | 29.2 | 0 | 12 |
| Cr | 0.10 | 0.05 | 0.20 | 97.4 | 0 | 12 |
| Cu | 0.63 | 0.31 | 0.95 | 643.8 | 0 | 12 |
| Fe | 20.91 | 7.72 | 51.12 | 21273.4 | 0 | 12 |
| Ni | 0.23 | 0.16 | 0.41 | 228.9 | 0 | 10 |
| Pb | 0.69 | 0.29 | 1.24 | 703.9 | 0 | 12 |
| Precip | - | 39.1 | 169.6 | 1017.2 | 0 | 12 |
| Zn | 8.42 | 3.35 | 21.45 | 8563.8 | 0 | 12 |

EE0009R Lahemaa Estonia

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.23 | 0.10 | 0.70 | 153.8 | 6 | 12 |
| Cd | 0.10 | 0.01 | 0.30 | 68.0 | 1 | 12 |
| Cu | 3.56 | 0.05 | 15.00 | 2349.5 | 2 | 12 |
| Pb | 0.82 | 0.05 | 4.10 | 543.9 | 7 | 12 |
| Precip | - | 3.4 | 181.8 | 660.3 | 0 | 12 |
| Zn | 5.97 | 5.00 | 13.00 | 3944.1 | 9 | 12 |

EE0011R Vilsandi Estonia

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.16 | 0.10 | 0.80 | 87.4 | 6 | 10 |
| Cd | 0.05 | 0.01 | 0.20 | 26.2 | 2 | 10 |
| Cu | 7.29 | 2.80 | 26.30 | 4025.6 | 0 | 10 |
| Pb | 0.67 | 0.50 | 1.90 | 371.6 | 8 | 10 |
| Precip | - | 5.0 | 155.1 | 551.9 | 0 | 12 |
| Zn | 9.79 | 5.00 | 30.00 | 5402.4 | 6 | 10 |

FI0008R Kevo Finland

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.10 | 0.05 | 0.24 | 36.8 | 0 | 12 |
| Cd | 0.02 | 0.01 | 0.06 | 6.2 | 0 | 12 |
| Cr | 0.04 | 0.00 | 0.26 | 13.8 | 0 | 12 |
| Cu | 1.00 | 0.36 | 4.12 | 383.0 | 0 | 12 |
| Fe | 12.06 | 0.00 | 51.02 | 4596.7 | 0 | 12 |
| Mn | 1.06 | 0.19 | 3.72 | 403.5 | 0 | 12 |
| Ni | 0.28 | 0.08 | 0.72 | 108.6 | 0 | 12 |
| Pb | 0.48 | 0.26 | 2.18 | 181.8 | 0 | 12 |
| Precip | - | 5.8 | 130.4 | 381.2 | 0 | 12 |
| V | 0.12 | 0.06 | 0.46 | 47.8 | 0 | 12 |
| Zn | 1.22 | 0.74 | 2.80 | 466.2 | 0 | 12 |

FI0009R Uto Finland

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.23 | 0.04 | 3.51 | 81.5 | 0 | 12 |
| Cd | 0.07 | 0.02 | 1.14 | 24.3 | 0 | 12 |
| Cr | 0.10 | 0.00 | 2.04 | 36.5 | 0 | 12 |
| Cu | 1.45 | 0.49 | 14.45 | 524.4 | 0 | 12 |
| Fe | 29.82 | 5.55 | 354.43 | 10822.6 | 0 | 12 |
| Mn | 2.23 | 0.96 | 13.53 | 809.8 | 0 | 12 |
| Ni | 0.30 | 0.13 | 5.82 | 107.5 | 0 | 12 |
| Pb | 2.45 | 0.82 | 32.48 | 890.6 | 0 | 12 |
| Precip | - | 1.4 | 120.6 | 362.9 | 0 | 12 |
| V | 0.70 | 0.24 | 18.42 | 255.3 | 0 | 12 |
| Zn | 6.33 | 2.41 | 115.91 | 2295.4 | 0 | 12 |

FI0017R Virolahti II Finland

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.16 | 0.01 | 0.56 | 93.9 | 0 | 12 |
| Cd | 0.07 | 0.01 | 0.29 | 42.5 | 0 | 12 |
| Cr | 0.08 | 0.00 | 0.60 | 48.2 | 0 | 12 |
| Cu | 0.82 | 0.42 | 2.40 | 476.9 | 0 | 12 |
| Fe | 35.80 | 7.45 | 102.59 | 20841.8 | 0 | 12 |
| Mn | 2.21 | 1.24 | 4.58 | 1287.5 | 0 | 12 |
| Ni | 0.20 | 0.09 | 0.64 | 114.2 | 0 | 12 |
| Pb | 1.48 | 0.34 | 3.75 | 859.6 | 0 | 12 |
| Precip | - | 12.5 | 128.9 | 582.2 | 0 | 12 |
| V | 0.51 | 0.18 | 1.52 | 295.8 | 0 | 12 |
| Zn | 4.15 | 1.60 | 9.27 | 2416.0 | 0 | 12 |

FI0022R Oulanka Finland

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.12 | 0.02 | 0.42 | 50.5 | 0 | 12 |
| Cd | 0.02 | 0.01 | 0.08 | 10.1 | 0 | 12 |
| Cr | 0.06 | -0.02 | 0.34 | 26.7 | 0 | 12 |
| Cu | 0.84 | 0.44 | 2.19 | 354.9 | 0 | 12 |
| Fe | 11.31 | 4.62 | 31.81 | 4759.8 | 0 | 12 |
| Mn | 1.83 | 0.41 | 4.79 | 771.5 | 0 | 12 |
| Ni | 0.15 | 0.06 | 0.48 | 62.2 | 0 | 12 |
| Pb | 0.59 | 0.24 | 2.19 | 248.4 | 0 | 12 |
| Precip | - | 12.0 | 74.6 | 420.8 | 0 | 12 |
| V | 0.24 | 0.10 | 0.65 | 101.5 | 0 | 12 |
| Zn | 2.12 | 1.13 | 4.07 | 894.2 | 0 | 12 |

FI0036R Matorova Finland

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.07 | 0.01 | 0.20 | 36.4 | 0 | 12 |
| Cd | 0.02 | 0.01 | 0.06 | 9.9 | 0 | 12 |
| Cr | 0.02 | 0.00 | 0.28 | 12.0 | 0 | 12 |
| Cu | 0.66 | 0.37 | 1.36 | 340.9 | 0 | 12 |
| Fe | 11.33 | 4.62 | 31.81 | 5823.0 | 0 | 12 |
| Mn | 1.46 | 0.38 | 6.72 | 749.4 | 0 | 12 |
| Ni | 0.12 | 0.04 | 0.27 | 59.2 | 0 | 12 |
| Pb | 0.51 | 0.18 | 1.77 | 263.6 | 0 | 12 |
| Precip | - | 7.7 | 108.5 | 514.1 | 0 | 12 |
| V | 0.16 | 0.08 | 0.47 | 83.6 | 0 | 12 |
| Zn | 2.22 | 0.67 | 4.41 | 1139.3 | 0 | 12 |

FI0053R Hailuoto Finland

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.11 | 0.01 | 0.49 | 40.3 | 0 | 12 |
| Cd | 0.04 | 0.01 | 0.13 | 14.1 | 0 | 12 |
| Cr | 0.04 | 0.00 | 0.61 | 16.1 | 0 | 12 |
| Cu | 0.90 | 0.42 | 5.81 | 327.8 | 0 | 12 |
| Fe | 30.08 | 10.46 | 310.25 | 10954.8 | 0 | 12 |
| Mn | 2.37 | 0.78 | 9.45 | 862.4 | 0 | 12 |
| Ni | 0.17 | 0.06 | 1.04 | 61.1 | 0 | 12 |
| Pb | 1.22 | 0.32 | 4.24 | 444.6 | 0 | 12 |
| Precip | - | 4.5 | 58.6 | 364.2 | 0 | 12 |
| V | 0.41 | 0.20 | 2.21 | 148.8 | 0 | 12 |
| Zn | 3.50 | 1.60 | 12.97 | 1274.2 | 0 | 12 |

FI0092R Hietajarvi Finland

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.10 | 0.03 | 0.56 | 48.6 | 0 | 12 |
| Cd | 0.04 | 0.01 | 0.25 | 19.6 | 0 | 12 |
| Cr | 0.04 | 0.00 | 0.25 | 19.2 | 0 | 12 |
| Cu | 0.54 | 0.27 | 1.87 | 275.0 | 0 | 12 |
| Fe | 15.33 | 0.00 | 92.94 | 7830.8 | 0 | 12 |
| Mn | 1.69 | 0.38 | 8.34 | 860.9 | 0 | 12 |
| Ni | 0.13 | 0.08 | 0.32 | 68.6 | 0 | 12 |
| Pb | 0.94 | 0.21 | 6.18 | 478.8 | 0 | 12 |
| Precip | - | 15.5 | 93.2 | 510.9 | 0 | 12 |
| V | 0.30 | 0.13 | 1.36 | 151.5 | 0 | 12 |
| Zn | 2.24 | 1.11 | 10.55 | 1145.7 | 0 | 12 |

FI0093R Kotinen Finland

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.09 | 0.00 | 0.46 | 60.2 | 0 | 12 |
| Cd | 0.04 | 0.01 | 0.14 | 23.8 | 0 | 12 |
| Cr | 0.05 | 0.00 | 0.32 | 35.9 | 0 | 12 |
| Cu | 0.61 | 0.30 | 1.52 | 402.9 | 0 | 12 |
| Fe | 13.73 | 5.47 | 63.65 | 9098.0 | 0 | 12 |
| Mn | 2.88 | 0.82 | 9.57 | 1905.5 | 0 | 12 |
| Ni | 0.13 | 0.08 | 0.32 | 86.8 | 0 | 12 |
| Pb | 0.90 | 0.32 | 4.66 | 598.8 | 0 | 12 |
| Precip | - | 22.6 | 117.3 | 662.4 | 0 | 12 |
| V | 0.30 | 0.14 | 0.68 | 198.8 | 0 | 12 |
| Zn | 2.91 | 1.38 | 8.69 | 1928.7 | 0 | 12 |

FI0096R Pallas Finland

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Hg | 5.24 | 2.10 | 9.60 | 1440.8 | 0 | 11 |
| Precip | - | 2.4 | 74.7 | 275.0 | 1 | 11 |

FR0090R Porspoder France

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.10 | 0.05 | 0.25 | 112.1 | 0 | 12 |
| Cd | 0.03 | 0.01 | 0.06 | 38.4 | 0 | 12 |
| Cr | 0.06 | 0.02 | 0.20 | 73.7 | 0 | 12 |
| Cu | 0.92 | 0.32 | 1.96 | 1073.3 | 0 | 12 |
| Ni | 0.54 | 0.30 | 1.40 | 631.8 | 0 | 12 |
| Pb | 1.07 | 0.30 | 3.90 | 1248.9 | 0 | 12 |
| Precip | - | 40.0 | 205.0 | 1168.0 | 0 | 12 |
| Zn | 1.72 | 0.90 | 4.00 | 2005.0 | 0 | 12 |

GB0014R High Muffles United Kingdom Wet deposition (ug/m2)

January 2001 - December 2001

| Component | Mean dep Month | Min month | Max month | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 22.40 | 5.00 | 86.00 | 273.0 | 0 | 12 |
| Cd | 3.53 | 1.00 | 7.00 | 42.0 | 0 | 12 |
| Cr | 15.44 | 4.00 | 58.00 | 178.0 | 0 | 12 |
| Cu | 175.73 | 26.00 | 347.00 | 2144.0 | 0 | 12 |
| Ni | 24.19 | 6.00 | 50.00 | 290.0 | 0 | 12 |
| Pb | 151.25 | 27.00 | 295.00 | 1825.0 | 0 | 12 |
| Ti | 53.93 | 20.00 | 123.00 | 654.0 | 0 | 12 |
| Zn | 448.37 | 84.00 | 1258.00 | 5472.0 | 0 | 12 |

GB0090R East Ruston United Kingdom Wet deposition (ug/m2)

January 2001 - December 2001

| Component | Mean dep Month | Min month | Max month | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 18.01 | 6.00 | 50.00 | 209.0 | 0 | 12 |
| Cd | 5.85 | 1.00 | 41.00 | 66.0 | 0 | 12 |
| Cr | 27.26 | 5.00 | 193.00 | 327.0 | 0 | 12 |
| Cu | 192.24 | 14.00 | 434.00 | 2251.0 | 0 | 12 |
| Ni | 39.73 | 11.00 | 147.00 | 471.0 | 0 | 12 |
| Pb | 109.42 | 36.00 | 186.00 | 1286.0 | 0 | 12 |
| Ti | 59.47 | 19.00 | 125.00 | 714.0 | 0 | 12 |
| Zn | 752.77 | 97.00 | 3149.00 | 8596.0 | 0 | 12 |

GB0091R Banchory United Kingdom wet deposition (ug/m2)

January 2001 - December 2001

| Component | Mean dep Month | Min month | Max month | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 9.63 | 4.00 | 27.00 | 114.0 | 0 | 12 |
| Cd | 12.54 | 0.00 | 82.00 | 142.0 | 0 | 12 |
| Cr | 8.24 | 1.00 | 20.00 | 98.0 | 0 | 12 |
| Cu | 651.91 | 2.00 | 5778.00 | 7527.0 | 0 | 12 |
| Ni | 21.95 | 3.00 | 51.00 | 260.0 | 0 | 12 |
| Pb | 63.86 | 10.00 | 169.00 | 758.0 | 0 | 12 |
| Ti | 41.09 | 14.00 | 76.00 | 493.0 | 0 | 12 |
| Zn | 828.51 | 2.00 | 5432.00 | 9474.0 | 0 | 12 |

IE0001R Valentia Obs. Ireland

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Al | 31.11 | 14.80 | 50.00 | 39223.3 | 6 | 12 |
| As | 0.50 | 0.50 | 0.50 | 630.4 | 12 | 12 |
| Cd | 0.05 | 0.05 | 0.05 | 63.0 | 12 | 12 |
| Cr | 0.50 | 0.50 | 0.50 | 630.4 | 12 | 12 |
| Cu | 0.86 | 0.50 | 4.40 | 1081.0 | 9 | 12 |
| Hg | 50.00 | 50.00 | 50.00 | 63035.0 | 12 | 12 |
| Mn | 4.90 | 2.00 | 14.00 | 6183.0 | 0 | 12 |
| Ni | 0.50 | 0.50 | 0.50 | 630.4 | 12 | 12 |
| Pb | 0.50 | 0.50 | 0.50 | 630.4 | 12 | 12 |
| Precip | - | 33.9 | 196.7 | 1260.7 | 0 | 12 |
| V | 0.55 | 0.50 | 1.00 | 695.4 | 11 | 12 |
| Zn | 37.94 | 24.10 | 65.50 | 47826.6 | 0 | 12 |

IE0002R Turlough Hill Ireland

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Al | 38.61 | 18.70 | 112.00 | 55373.9 | 4 | 8 |
| As | 0.50 | 0.50 | 0.50 | 717.1 | 8 | 8 |
| Cd | 0.07 | 0.05 | 0.16 | 104.7 | 6 | 8 |
| Cr | 0.50 | 0.50 | 0.50 | 717.1 | 8 | 8 |
| Cu | 9.54 | 0.50 | 30.40 | 13682.7 | 2 | 8 |
| Hg | 50.00 | 50.00 | 50.00 | 71715.0 | 8 | 8 |
| Mn | 3.02 | 1.10 | 5.60 | 4325.5 | 0 | 8 |
| Ni | 0.50 | 0.50 | 0.50 | 717.1 | 8 | 8 |
| Pb | 1.01 | 0.50 | 2.70 | 1449.1 | 5 | 8 |
| Precip | - | 39.9 | 243.0 | 1434.3 | 0 | 12 |
| V | 0.50 | 0.50 | 0.50 | 717.1 | 8 | 8 |
| Zn | 8.89 | 4.40 | 13.30 | 12756.2 | 0 | 8 |

IS0002R Irafoss Iceland

January 2001 - May 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Al | 63.29 | 13.10 | 234.10 | 43120.4 | 0 | 16 |
| As | 0.11 | 0.03 | 0.50 | 75.2 | 7 | 16 |
| Cd | 0.01 | 0.01 | 0.05 | 5.3 | 12 | 16 |
| Cr | 0.05 | 0.05 | 0.05 | 34.1 | 16 | 16 |
| Cu | 0.90 | 0.05 | 3.23 | 612.6 | 1 | 16 |
| Fe | 13.08 | 5.00 | 106.90 | 8909.1 | 12 | 16 |
| Mn | 1.01 | 0.20 | 4.10 | 688.9 | 0 | 16 |
| Ni | 0.08 | 0.05 | 0.60 | 54.6 | 11 | 16 |
| Pb | 0.47 | 0.07 | 1.71 | 317.0 | 0 | 16 |
| Precip | - | 0.0 | 87.5 | 681.3 | 2 | 24 |
| V | 1.24 | 0.20 | 4.48 | 843.0 | 0 | 16 |
| Zn | 10.29 | 3.50 | 19.40 | 7010.9 | 0 | 16 |

IS0090R Reykjavik Iceland

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Al | 220.10 | 14.90 | 8863.00 | 184062.7 | 0 | 51 |
| As | 0.17 | 0.03 | 1.28 | 144.8 | 9 | 51 |
| Cd | 0.02 | 0.01 | 0.09 | 18.2 | 11 | 51 |
| Cr | 0.22 | 0.05 | 6.10 | 186.7 | 16 | 51 |
| Cu | 2.71 | 0.43 | 77.27 | 2269.9 | 0 | 51 |
| Fe | 156.26 | 5.00 | 5514.00 | 130675.2 | 5 | 51 |
| Mn | 3.04 | 0.30 | 84.60 | 2544.5 | 0 | 51 |
| Ni | 0.60 | 0.05 | 10.12 | 501.3 | 9 | 51 |
| Pb | 0.55 | 0.11 | 3.98 | 459.0 | 0 | 51 |
| Precip | - | 0.0 | 66.1 | 836.3 | 3 | 59 |
| V | 1.75 | 0.15 | 13.86 | 1465.1 | 0 | 51 |
| Zn | 6.57 | 0.70 | 75.00 | 5496.6 | 0 | 51 |

LT0015R Preila Lithuania

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Cd | 0.11 | 0.01 | 1.16 | 77.2 | 0 | 48 |
| Cu | 1.55 | 0.37 | 12.30 | 1123.8 | 0 | 48 |
| Pb | 3.70 | 0.01 | 24.84 | 2683.4 | 0 | 48 |
| Precip | - | 0.3 | 62.0 | 725.2 | 5 | 48 |
| Zn | 22.36 | 2.00 | 208.90 | 16217.5 | 0 | 48 |

LV0010R Rucava Latvia

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Cd | 0.09 | 0.01 | 0.42 | 78.9 | 0 | 12 |
| Cu | 1.33 | 0.30 | 14.20 | 1170.8 | 0 | 12 |
| Pb | 1.38 | 0.10 | 4.50 | 1213.5 | 1 | 12 |
| Precip | - | 23.5 | 193.2 | 879.5 | 0 | 12 |
| Zn | 12.72 | 2.60 | 31.40 | 11186.0 | 0 | 12 |

LV0016R Zoseni Latvia

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Cd | 0.08 | 0.01 | 0.20 | 59.2 | 3 | 12 |
| Cu | 1.60 | 0.30 | 8.00 | 1250.1 | 0 | 12 |
| Pb | 1.42 | 0.10 | 3.60 | 1110.2 | 1 | 12 |
| Precip | - | 25.0 | 126.2 | 783.0 | 0 | 12 |
| Zn | 20.47 | 7.70 | 35.50 | 16028.2 | 0 | 12 |

NL0009R Kollumerwaard Netherlands

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.24 | 0.10 | 0.31 | 192.0 | 2 | 7 |
| Cd | 0.07 | 0.03 | 0.12 | 52.0 | 1 | 7 |
| Co | 0.07 | 0.00 | 0.13 | 59.6 | 6 | 7 |
| Cr | 0.26 | 0.17 | 0.43 | 202.2 | 7 | 7 |
| Cu | 2.91 | 0.92 | 9.05 | 2308.0 | 0 | 7 |
| Fe | 99.20 | 7.26 | 161.39 | 78640.4 | 1 | 7 |
| Ni | 0.32 | 0.14 | 0.36 | 255.3 | 7 | 7 |
| Pb | 1.66 | 1.04 | 4.35 | 1311.6 | 0 | 7 |
| Precip | - | 33.7 | 195.5 | 792.7 | 0 | 11 |
| V | 0.68 | 0.44 | 0.80 | 535.1 | 0 | 7 |
| Zn | 8.21 | 6.80 | 10.20 | 6508.1 | 0 | 7 |

NL0091R De Zilk Netherlands

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.08 | 0.07 | 0.16 | 76.2 | 11 | 13 |
| Cd | 0.06 | 0.02 | 0.10 | 53.4 | 2 | 13 |
| Cr | 0.26 | 0.26 | 0.26 | 241.0 | 13 | 13 |
| Cu | 2.00 | 0.99 | 7.11 | 1852.9 | 0 | 13 |
| Hg | 9.41 | 3.00 | 65.00 | 7503.2 | 0 | 47 |
| Ni | 0.31 | 0.20 | 0.80 | 283.3 | 7 | 13 |
| Pb | 3.17 | 1.69 | 6.54 | 2940.8 | 0 | 13 |
| Precip | - | 25.7 | 202.2 | 926.9 | 2 | 52 |
| Zn | 6.63 | 1.95 | 15.10 | 6032.6 | 2 | 13 |

NO0001R Birkenes Norway

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Cd | 0.03 | 0.01 | 0.13 | 51.0 | 9 | 51 |
| Pb | 1.25 | 0.10 | 6.93 | 1982.0 | 0 | 51 |
| Precip | - | 0.0 | 146.1 | 1579.8 | 4 | 63 |
| Zn | 4.67 | 0.47 | 46.08 | 7382.4 | 0 | 51 |

NO0039R Kaarvatn Norway

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Cd | 0.01 | 0.00 | 0.05 | 14.8 | 18 | 53 |
| Pb | 0.13 | 0.02 | 1.10 | 206.0 | 0 | 53 |
| Precip | - | 0.0 | 123.9 | 1544.8 | 3 | 63 |
| Zn | 1.35 | 0.05 | 44.70 | 2087.0 | 1 | 53 |

NO0041R Osen Norway

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Cd | 0.02 | 0.00 | 0.11 | 14.5 | 4 | 51 |
| Pb | 0.59 | 0.06 | 2.22 | 446.8 | 0 | 51 |
| Precip | - | 0.0 | 46.6 | 753.0 | 7 | 63 |
| Zn | 3.34 | 0.58 | 16.82 | 2517.7 | 0 | 51 |

NO0047R Svanvik Norway

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 2.31 | 0.05 | 13.46 | 824.0 | 2 | 43 |
| Cd | 0.16 | 0.00 | 1.68 | 58.5 | 1 | 43 |
| Co | 0.65 | 0.01 | 3.64 | 232.9 | 1 | 43 |
| Cr | 0.39 | 0.10 | 2.69 | 138.0 | 19 | 43 |
| Cu | 20.23 | 0.19 | 112.90 | 7207.7 | 0 | 43 |
| Ni | 20.71 | 0.22 | 93.66 | 7377.5 | 0 | 43 |
| Pb | 2.56 | 0.09 | 10.81 | 910.7 | 0 | 43 |
| Precip | - | 0.0 | 32.8 | 356.2 | 8 | 60 |
| Zn | 8.54 | 0.96 | 38.81 | 3043.4 | 0 | 42 |

NO0055R Karasjok Norway

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Cd | 0.03 | 0.00 | 0.14 | 12.0 | 4 | 49 |
| Pb | 0.67 | 0.12 | 5.99 | 262.5 | 0 | 49 |
| Precip | - | 0.0 | 51.0 | 389.7 | 6 | 62 |
| Zn | 4.79 | 0.68 | 62.01 | 1867.1 | 0 | 49 |

NO0056R Hurdal Norway

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Cd | 0.04 | 0.00 | 0.58 | 42.1 | 5 | 48 |
| Pb | 0.93 | 0.09 | 5.81 | 934.0 | 0 | 49 |
| Precip | - | 0.0 | 66.9 | 1006.1 | 9 | 63 |
| Zn | 4.76 | 1.17 | 37.46 | 4788.9 | 0 | 48 |

NO0099R Lista Norway

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.18 | 0.05 | 1.68 | 213.4 | 7 | 52 |
| Cd | 0.06 | 0.01 | 1.91 | 68.5 | 8 | 52 |
| Co | 0.02 | 0.01 | 0.28 | 29.5 | 7 | 52 |
| Cr | 0.31 | 0.10 | 4.90 | 374.8 | 15 | 52 |
| Cu | 1.28 | 0.23 | 24.84 | 1544.2 | 0 | 52 |
| Hg | 7.30 | 4.10 | 14.60 | 8829.5 | 0 | 12 |
| Ni | 0.37 | 0.10 | 6.21 | 448.7 | 10 | 52 |
| Pb | 1.51 | 0.28 | 14.37 | 1833.9 | 0 | 52 |
| Precip | - | 22.0 | 231.0 | 1210.3 | 4 | 63 |
| V | 1.02 | 0.34 | 12.46 | 1236.4 | 0 | 52 |
| Zn | 7.44 | 0.82 | 78.38 | 9004.6 | 0 | 52 |

PL0004R Leba Poland

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl | QA flag | Samp flag |
|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.05 | 0.03 | 0.16 | 42.9 | 100.0 | 0 | 12 | | |
| Cr | 0.22 | 0.05 | 0.39 | 172.3 | 92.8 | 0 | 11 | | |
| Cu | 1.68 | 0.47 | 4.75 | 1321.4 | 100.0 | 0 | 12 | | |
| Pb | 1.66 | 0.56 | 3.39 | 1306.4 | 100.0 | 0 | 12 | | |
| Ni | 0.36 | 0.12 | 0.74 | 279.9 | 100.0 | 0 | 12 | | |
| Precip | - | 23.7 | 178.9 | 786.6 | 100.0 | 0 | 12 | | |
| Zn | 5.39 | 3.17 | 10.26 | 4243.1 | 100.0 | 0 | 12 | | |

PL0005R Diabla Gora Poland

May 2001 - October 2001

| Component | W. mean | Min | Max | Dep | % anal | Num bel | Num sampl | QA flag | Samp flag |
|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.32 | 0.05 | 3.60 | 161.8 | 95.7 | 12 | 73 | | |
| Cr | 0.20 | 0.15 | 0.80 | 103.7 | 95.7 | 56 | 73 | | |
| Cu | 1.59 | 0.15 | 35.70 | 806.6 | 95.7 | 2 | 73 | | |
| Pb | 1.90 | 1.00 | 12.00 | 964.8 | 95.7 | 47 | 73 | | |
| Ni | 0.41 | 0.15 | 2.30 | 209.0 | 95.7 | 30 | 73 | | |
| Precip | - | 0.0 | 52.7 | 507.9 | 50.4 | 99 | 184 | | |
| Precip off | - | 0.0 | 57.6 | 516.8 | 50.4 | 99 | 184 | | |
| Zn | 20.22 | 0.15 | 479.00 | 10271.9 | 95.7 | 2 | 73 | | |

PT0001R Braganca Portugal

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Cd | 0.48 | 0.42 | 2.33 | 432.2 | 20 | 21 |
| Cu | 0.98 | 0.33 | 5.19 | 878.3 | 16 | 21 |
| Mn | 4.78 | 1.07 | 18.38 | 4297.3 | 12 | 21 |
| Ni | 0.78 | 0.78 | 0.78 | 696.3 | 21 | 21 |
| Pb | 0.65 | 0.65 | 0.65 | 579.5 | 21 | 21 |
| Precip off | - | 0.00 | 64.10 | 898.5 | 255 | 365 |
| Zn | 79.17 | 2.00 | 1196.00 | 71134.1 | 0 | 21 |

PT0003R V. Do Castelo Portugal

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Cd | 0.42 | 0.42 | 0.42 | 786.2 | 42 | 42 |
| Cu | 1.24 | 0.33 | 16.89 | 2290.7 | 25 | 42 |
| Mn | 3.26 | 1.07 | 61.22 | 6029.3 | 21 | 42 |
| Ni | 0.80 | 0.78 | 2.23 | 1470.7 | 40 | 42 |
| Pb | 0.68 | 0.65 | 2.01 | 1249.1 | 39 | 42 |
| Precip off | - | 0.00 | 119.50 | 1849.9 | 214 | 365 |
| Zn | 18.57 | 2.00 | 148.00 | 34352.4 | 0 | 42 |

PT0004R Monte Velho Portugal

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Cd | 0.42 | 0.42 | 0.42 | 213.0 | 18 | 18 |
| Cu | 0.39 | 0.33 | 1.13 | 195.5 | 16 | 18 |
| Mn | 3.94 | 1.07 | 18.03 | 1976.4 | 11 | 18 |
| Ni | 0.90 | 0.78 | 5.48 | 449.6 | 17 | 18 |
| Pb | 0.65 | 0.65 | 0.65 | 323.2 | 18 | 18 |
| Precip off | - | 0.00 | 49.90 | 501.1 | 302 | 365 |
| Zn | 8.08 | 1.00 | 25.00 | 4050.1 | 0 | 18 |

PT0010R Angro do Heroismo Portugal

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Cd | 0.42 | 0.42 | 0.42 | 521.1 | 29 | 29 |
| Cu | 0.41 | 0.33 | 2.72 | 503.3 | 25 | 29 |
| Mn | 6.29 | 1.07 | 28.54 | 7711.5 | 12 | 29 |
| Ni | 6.31 | 0.78 | 38.22 | 7732.7 | 11 | 29 |
| Pb | 3.39 | 0.65 | 31.19 | 4152.5 | 6 | 29 |
| Precip off | - | 0.00 | 153.30 | 1226.0 | 3 | 52 |
| Zn | 22.86 | 2.00 | 90.00 | 28025.3 | 0 | 29 |

SE0002R Rorvik Sweden

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Hg | 9.31 | 4.50 | 17.60 | 5392.8 | 0 | 12 |
| Precip | - | 27.1 | 75.5 | 579.0 | 0 | 12 |

SE0005R Bredkalen Sweden

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.07 | 0.03 | 0.28 | 49.1 | 9 | 13 |
| Cd | 0.02 | 0.01 | 0.09 | 15.3 | 1 | 12 |
| Cr | 0.20 | 0.03 | 1.03 | 142.2 | 4 | 13 |
| Cu | 0.57 | 0.24 | 2.72 | 405.6 | 0 | 12 |
| Hg | 6.50 | 3.20 | 19.60 | 3573.6 | 0 | 12 |
| Mn | 1.98 | 1.10 | 4.20 | 1397.7 | 0 | 12 |
| Ni | 0.20 | 0.01 | 0.94 | 140.1 | 1 | 13 |
| Pb | 0.56 | 0.18 | 1.87 | 394.6 | 0 | 13 |
| Precip | - | 15.0 | 117.0 | 705.7 | 0 | 13 |
| V | 0.23 | 0.08 | 0.52 | 163.3 | 0 | 13 |
| Zn | 7.71 | 1.34 | 39.68 | 5443.5 | 0 | 12 |

SE0011R Vavihill Sweden

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Hg | 9.38 | 2.80 | 19.90 | 4687.7 | 0 | 12 |
| Precip | - | 9.3 | 102.9 | 499.6 | 0 | 12 |

SE0051R Arup Sweden

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.19 | 0.03 | 0.63 | 143.5 | 2 | 12 |
| Cd | 0.04 | 0.01 | 0.17 | 33.8 | 0 | 12 |
| Cr | 0.29 | 0.03 | 1.56 | 223.7 | 5 | 12 |
| Cu | 1.21 | 0.34 | 2.96 | 916.8 | 0 | 12 |
| Ni | 0.26 | 0.01 | 0.67 | 193.8 | 2 | 12 |
| Pb | 1.90 | 0.84 | 5.92 | 1443.1 | 0 | 12 |
| Precip | - | 19.0 | 211.0 | 761.0 | 0 | 12 |
| V | 0.79 | 0.09 | 1.31 | 599.9 | 0 | 12 |
| Zn | 12.14 | 3.86 | 31.36 | 9235.2 | 0 | 12 |

SE0097R Gårdsjon Sweden

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| As | 0.14 | 0.03 | 0.32 | 94.7 | 3 | 12 |
| Cd | 0.04 | 0.01 | 0.08 | 28.9 | 0 | 12 |
| Co | 0.01 | 0.00 | 0.04 | 7.4 | 3 | 12 |
| Cr | 0.13 | 0.03 | 0.31 | 88.2 | 5 | 12 |
| Cu | 1.02 | 0.43 | 2.77 | 691.3 | 0 | 12 |
| Mn | 2.48 | 1.10 | 14.20 | 1676.8 | 0 | 12 |
| Ni | 0.26 | 0.01 | 0.64 | 175.3 | 1 | 12 |
| Pb | 1.36 | 0.50 | 2.27 | 920.7 | 0 | 12 |
| Precip | - | 29.0 | 111.0 | 676.0 | 0 | 12 |
| V | 0.89 | 0.43 | 2.80 | 598.8 | 0 | 12 |
| Zn | 11.54 | 3.74 | 25.79 | 7798.7 | 0 | 12 |

SK0002R Chopok Slovakia

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Al | 22.14 | 9.00 | 43.00 | 29068.8 | 0 | 12 |
| Cd | 0.39 | 0.19 | 1.12 | 507.0 | 0 | 9 |
| Fe | 37.24 | 13.00 | 65.00 | 48885.7 | 0 | 8 |
| Mn | 4.44 | 2.20 | 9.60 | 5825.2 | 0 | 12 |
| Pb | 3.94 | 1.60 | 9.00 | 5166.1 | 0 | 12 |
| Precip | - | 24.3 | 259.5 | 1312.7 | 0 | 12 |
| Zn | 46.48 | 18.00 | 130.00 | 61017.7 | 0 | 9 |

SK0004R Stara Lesna Slovakia

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Al | 100.70 | 15.00 | 178.00 | 90825.1 | 0 | 11 |
| Cd | 0.35 | 0.12 | 1.63 | 312.8 | 0 | 11 |
| Fe | 40.84 | 13.00 | 103.00 | 36831.3 | 0 | 9 |
| Mn | 4.00 | 2.00 | 10.50 | 3608.2 | 0 | 11 |
| Pb | 2.20 | 1.30 | 5.80 | 1988.2 | 0 | 11 |
| Precip | - | 16.2 | 254.5 | 901.9 | 0 | 12 |
| Zn | 12.17 | 4.00 | 38.00 | 10977.8 | 0 | 11 |

SK0005R Liesek Slovakia

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Al | 19.65 | 11.00 | 41.00 | 19262.5 | 0 | 12 |
| Cd | 0.13 | 0.08 | 0.27 | 126.9 | 0 | 12 |
| Fe | 31.87 | 8.00 | 58.00 | 31232.2 | 0 | 9 |
| Mn | 4.52 | 2.10 | 8.80 | 4433.0 | 0 | 12 |
| Pb | 2.31 | 1.20 | 4.20 | 2268.7 | 0 | 12 |
| Precip | - | 18.8 | 279.2 | 980.1 | 0 | 12 |
| Zn | 19.27 | 9.00 | 85.00 | 18889.1 | 0 | 12 |

SK0006R Starina Slovakia

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Al | 21.82 | 8.00 | 68.00 | 20729.3 | 0 | 12 |
| Cd | 0.14 | 0.01 | 0.40 | 134.3 | 0 | 12 |
| Fe | 25.64 | 7.00 | 66.00 | 24364.9 | 0 | 9 |
| Mn | 3.03 | 1.70 | 8.40 | 2875.5 | 0 | 12 |
| Pb | 3.07 | 1.20 | 10.80 | 2917.4 | 0 | 12 |
| Precip | - | 25.9 | 226.9 | 950.1 | 0 | 12 |
| Zn | 15.82 | 5.00 | 83.00 | 15031.0 | 0 | 12 |

SK0007R Topoliniky Slovakia

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Al | 19.99 | 7.00 | 51.00 | 10018.2 | 0 | 12 |
| Cd | 0.04 | 0.01 | 0.19 | 22.1 | 0 | 12 |
| Fe | 42.14 | 7.00 | 109.00 | 21116.5 | 0 | 11 |
| Mn | 3.85 | 0.90 | 10.20 | 1930.5 | 0 | 12 |
| Pb | 1.25 | 0.40 | 3.80 | 623.6 | 0 | 12 |
| Precip | - | 10.7 | 111.0 | 501.1 | 0 | 12 |
| Zn | 15.60 | 4.00 | 129.00 | 7817.5 | 0 | 12 |

# Annex 2

# Annual statistics for heavy metals in air

AT0002R Illmitz Austria

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.42 | 0.37 | 0.33 | 1.86 | 0.20 | 0.30 | 2.20 | 16.7 | 0 | 61 |
| Pb | 14.55 | 12.65 | 10.43 | 2.38 | 1.00 | 9.85 | 60.30 | 16.7 | 2 | 61 |

AT0004R St. Koloman Austria

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.13 | 0.09 | 0.12 | 1.47 | 0.10 | 0.10 | 0.70 | 16.7 | 51 | 61 |
| Pb | 3.18 | 2.82 | 2.25 | 2.28 | 1.00 | 1.90 | 11.20 | 15.3 | 24 | 56 |

AT0005R Vorhegg Austria

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.15 | 0.12 | 0.13 | 1.63 | 0.10 | 0.10 | 0.70 | 16.7 | 46 | 61 |
| Pb | 5.76 | 5.18 | 3.89 | 2.58 | 1.00 | 5.20 | 31.10 | 16.7 | 15 | 61 |

BE0004R Knokke Belgium

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 2.00 | 0.00 | 2.00 | 1.00 | 2.00 | 2.00 | 2.00 | 100.0 | 12 | 12 |
| Cu | 35.10 | 2.64 | 35.00 | 1.07 | 33.00 | 34.00 | 41.00 | 100.0 | 4 | 12 |
| Ni | 11.94 | 1.93 | 11.78 | 1.17 | 10.00 | 11.00 | 15.00 | 100.0 | 4 | 12 |
| Pb | 24.61 | 6.19 | 24.05 | 1.23 | 20.00 | 22.00 | 43.00 | 100.0 | 1 | 12 |
| Zn | 42.12 | 14.80 | 40.06 | 1.36 | 28.00 | 37.00 | 80.00 | 100.0 | 0 | 12 |

CZ0001R Svratouch Czech Republic

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.30 | 0.27 | 0.21 | 2.41 | 0.02 | 0.20 | 1.26 | 15.9 | 0 | 58 |
| Pb | 7.59 | 7.42 | 5.42 | 2.29 | 0.64 | 5.52 | 48.88 | 15.9 | 0 | 58 |

CZ0003R Kosetice Czech Republic

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.31 | 0.30 | 0.21 | 2.66 | 0.01 | 0.23 | 1.76 | 16.4 | 0 | 60 |
| Pb | 5.71 | 5.63 | 3.63 | 2.87 | 0.10 | 3.92 | 29.97 | 16.4 | 0 | 60 |

DE0001R Westerland Germany

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.87 | 0.55 | 0.66 | 2.25 | 0.19 | 0.76 | 1.82 | 84.9 | 0 | 34 |
| Cd | 0.16 | 0.15 | 0.10 | 2.57 | 0.02 | 0.11 | 0.67 | 87.7 | 0 | 35 |
| Cu | 2.27 | 2.20 | 1.45 | 2.67 | 0.31 | 1.33 | 8.91 | 87.7 | 0 | 35 |
| Mn | 2.78 | 2.35 | 1.75 | 2.83 | 0.33 | 2.16 | 8.06 | 87.7 | 0 | 35 |
| Ni | 1.50 | 0.85 | 1.22 | 2.00 | 0.43 | 1.59 | 3.04 | 84.9 | 0 | 34 |
| Pb | 7.40 | 5.58 | 5.09 | 2.62 | 0.84 | 6.06 | 22.27 | 84.9 | 0 | 34 |

DE0002R Langenbrugge Germany

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.89 | 0.81 | 0.62 | 2.31 | 0.15 | 0.61 | 3.47 | 87.7 | 0 | 35 |
| Cd | 0.21 | 0.20 | 0.15 | 2.24 | 0.03 | 0.14 | 0.98 | 87.7 | 0 | 35 |
| Cu | 3.17 | 1.91 | 2.56 | 2.04 | 0.39 | 2.68 | 8.01 | 90.1 | 0 | 36 |
| Fe | 100.31 | 47.63 | 87.31 | 1.78 | 15.00 | 91.50 | 200.00 | 87.7 | 0 | 35 |
| Mn | 2.23 | 1.70 | 1.47 | 2.83 | 0.22 | 1.74 | 5.71 | 90.1 | 0 | 36 |
| Ni | 1.21 | 0.81 | 0.97 | 1.97 | 0.41 | 0.95 | 2.78 | 90.1 | 0 | 36 |
| Pb | 7.76 | 6.73 | 5.78 | 2.17 | 0.78 | 5.13 | 30.74 | 87.7 | 0 | 35 |

DE0003R Schauinsland Germany

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.10 | 0.07 | 0.07 | 2.04 | 0.03 | 0.07 | 0.30 | 87.7 | 0 | 35 |
| Cu | 1.51 | 1.58 | 0.74 | 3.88 | 0.10 | 1.04 | 5.34 | 65.5 | 0 | 26 |
| Mn | 2.20 | 2.62 | 0.64 | 6.42 | 0.06 | 0.60 | 7.67 | 87.7 | 0 | 35 |
| Ni | 0.69 | 0.51 | 0.51 | 2.25 | 0.15 | 0.56 | 2.00 | 85.8 | 0 | 34 |
| Pb | 3.62 | 3.96 | 1.41 | 5.06 | 0.16 | 2.13 | 13.06 | 87.7 | 0 | 35 |

DE0004R Deuselbach Germany

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.14 | 0.06 | 0.12 | 1.81 | 0.03 | 0.14 | 0.24 | 90.1 | 0 | 36 |
| Cu | 3.15 | 1.00 | 2.91 | 1.52 | 0.88 | 3.12 | 4.49 | 87.4 | 0 | 35 |
| Fe | 71.17 | 58.08 | 39.63 | 3.69 | 4.00 | 53.00 | 194.00 | 90.1 | 0 | 36 |
| Mn | 5.01 | 2.08 | 4.20 | 2.06 | 0.32 | 4.85 | 8.75 | 90.1 | 0 | 36 |
| Ni | 0.81 | 0.40 | 0.71 | 1.72 | 0.18 | 0.74 | 1.98 | 87.4 | 0 | 35 |
| Pb | 9.78 | 3.77 | 8.85 | 1.59 | 3.09 | 9.56 | 18.14 | 90.1 | 0 | 36 |

DE0005R Brotjacklriegel Germany

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.11 | 0.07 | 0.09 | 2.05 | 0.03 | 0.08 | 0.33 | 90.1 | 0 | 36 |
| Cu | 1.43 | 0.79 | 1.18 | 1.93 | 0.31 | 1.12 | 3.01 | 87.7 | 0 | 35 |
| Mn | 2.26 | 1.42 | 1.54 | 3.08 | 0.08 | 2.23 | 5.74 | 87.7 | 0 | 35 |
| Ni | 0.66 | 0.66 | 0.32 | 4.03 | 0.05 | 0.31 | 2.42 | 90.1 | 0 | 36 |
| Pb | 4.66 | 2.40 | 3.95 | 1.85 | 0.90 | 4.22 | 8.89 | 87.7 | 0 | 35 |

DE0007R Neuglobsow Germany

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| As | 1.40 | 0.82 | 1.04 | 2.51 | 0.12 | 1.44 | 2.87 | 85.2 | 0 | 34 |
| Cd | 0.23 | 0.20 | 0.18 | 2.09 | 0.04 | 0.17 | 0.91 | 87.7 | 0 | 35 |
| Cu | 1.82 | 1.10 | 1.38 | 2.35 | 0.21 | 1.52 | 4.11 | 87.7 | 0 | 35 |
| Mn | 2.58 | 1.65 | 1.91 | 2.42 | 0.31 | 2.29 | 6.51 | 87.7 | 0 | 35 |
| Ni | 1.06 | 0.57 | 0.85 | 2.07 | 0.19 | 1.03 | 2.35 | 87.7 | 0 | 35 |
| Pb | 9.71 | 7.78 | 7.07 | 2.29 | 0.82 | 7.88 | 30.36 | 87.7 | 0 | 35 |

DE0008R Schmucke Germany

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.14 | 0.11 | 0.10 | 2.37 | 0.03 | 0.12 | 0.44 | 90.1 | 0 | 36 |
| Cu | 1.44 | 1.14 | 1.01 | 2.38 | 0.31 | 0.93 | 4.34 | 87.7 | 0 | 35 |
| Mn | 2.77 | 2.36 | 1.60 | 3.53 | 0.11 | 2.19 | 10.84 | 90.1 | 0 | 36 |
| Ni | 1.02 | 0.55 | 0.86 | 1.83 | 0.23 | 0.93 | 1.95 | 87.4 | 0 | 35 |
| Pb | 6.49 | 5.07 | 4.68 | 2.37 | 0.32 | 4.25 | 20.16 | 90.1 | 0 | 36 |

DE0009R Zingst Germany

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.75 | 0.70 | 0.46 | 2.97 | 0.08 | 0.61 | 3.07 | 87.7 | 0 | 35 |
| Cd | 0.16 | 0.14 | 0.11 | 2.39 | 0.03 | 0.10 | 0.55 | 84.9 | 0 | 34 |
| Cu | 2.00 | 1.50 | 1.48 | 2.33 | 0.23 | 1.84 | 6.88 | 87.7 | 0 | 35 |
| Mn | 3.73 | 1.90 | 3.12 | 1.94 | 0.40 | 3.50 | 8.19 | 87.4 | 0 | 35 |
| Ni | 1.75 | 0.91 | 1.46 | 1.93 | 0.17 | 1.61 | 3.57 | 90.1 | 0 | 36 |
| Pb | 8.30 | 8.47 | 5.14 | 2.80 | 0.78 | 4.63 | 34.77 | 87.4 | 0 | 35 |

DK0003R Tange Denmark

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.61 | 0.74 | 0.28 | 4.74 | 0.00 | 0.36 | 5.45 | 96.2 | 19 | 351 |
| Cd | 0.16 | 0.30 | 0.13 | 4.37 | 0.00 | 0.08 | 1.76 | 96.2 | 298 | 351 |
| Cr | 0.26 | 1.05 | 0.26 | 4.17 | 0.00 | 0.08 | 15.00 | 96.2 | 263 | 351 |
| Cu | 1.36 | 1.86 | 0.71 | 3.96 | 0.00 | 1.01 | 26.74 | 96.2 | 11 | 351 |
| Fe | 74.82 | 101.37 | 37.70 | 3.73 | 0.00 | 42.21 | 918.70 | 96.2 | 4 | 351 |
| Mn | 3.02 | 3.40 | 1.75 | 3.30 | 0.00 | 2.04 | 31.31 | 96.2 | 5 | 351 |
| Ni | 0.98 | 1.04 | 0.54 | 3.97 | 0.00 | 0.75 | 11.83 | 95.9 | 31 | 350 |
| Pb | 5.02 | 7.38 | 2.12 | 4.67 | 0.00 | 2.79 | 56.56 | 96.2 | 3 | 351 |
| Zn | 12.33 | 13.49 | 6.39 | 4.08 | 0.00 | 8.59 | 100.63 | 96.2 | 4 | 351 |

DK0005R Keldsnor Denmark

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.64 | 1.15 | 0.34 | 2.94 | 0.00 | 0.29 | 9.23 | 93.7 | 29 | 342 |
| Cd | 0.17 | 0.33 | 0.19 | 2.74 | 0.00 | 0.12 | 1.92 | 93.7 | 295 | 342 |
| Cr | 0.45 | 0.69 | 0.43 | 2.75 | 0.00 | 0.31 | 5.22 | 93.7 | 208 | 342 |
| Cu | 1.63 | 1.91 | 0.98 | 2.93 | 0.00 | 1.02 | 14.63 | 93.7 | 19 | 342 |
| Fe | 70.01 | 79.15 | 44.73 | 2.63 | 0.00 | 44.72 | 749.12 | 93.7 | 3 | 342 |
| Mn | 2.30 | 2.02 | 1.65 | 2.32 | 0.00 | 1.79 | 12.30 | 93.7 | 10 | 342 |
| Ni | 1.86 | 1.67 | 1.31 | 2.53 | 0.00 | 1.41 | 11.37 | 93.7 | 15 | 342 |
| Pb | 6.71 | 10.40 | 3.47 | 3.18 | 0.00 | 3.53 | 95.04 | 93.7 | 1 | 342 |
| Zn | 13.84 | 15.43 | 8.52 | 2.92 | 0.00 | 8.91 | 105.29 | 93.7 | 6 | 342 |

DK0008R Anholt Denmark

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.42 | 0.54 | 0.26 | 2.75 | 0.00 | 0.27 | 4.15 | 95.9 | 35 | 350 |
| Cd | 0.15 | 0.27 | 0.20 | 2.57 | 0.00 | 0.13 | 1.31 | 95.9 | 304 | 350 |
| Cr | 0.21 | 0.51 | 0.30 | 3.14 | 0.00 | 0.17 | 2.44 | 95.9 | 262 | 350 |
| Cu | 1.02 | 1.11 | 0.63 | 2.87 | 0.00 | 0.65 | 7.79 | 95.9 | 27 | 350 |
| Fe | 46.68 | 41.45 | 31.38 | 2.61 | 0.44 | 32.89 | 251.57 | 95.9 | 3 | 350 |
| Mn | 1.90 | 1.30 | 1.47 | 2.16 | 0.04 | 1.57 | 7.16 | 95.9 | 11 | 350 |
| Ni | 1.58 | 1.35 | 1.12 | 2.54 | 0.00 | 1.30 | 11.18 | 95.9 | 22 | 350 |
| Pb | 4.48 | 6.38 | 2.17 | 3.59 | 0.00 | 2.12 | 55.53 | 95.9 | 6 | 350 |
| Zn | 10.09 | 10.12 | 6.36 | 2.82 | 0.08 | 6.62 | 57.86 | 95.9 | 5 | 350 |

DK0010G Nord, Greenland Denmark

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.08 | 0.11 | 0.04 | 3.66 | 0.00 | 0.04 | 0.55 | 85.8 | 6 | 53 |
| Cr | 0.06 | 0.11 | 0.07 | 2.74 | 0.00 | 0.03 | 0.54 | 85.8 | 34 | 53 |
| Cu | 0.11 | 0.15 | 0.08 | 2.96 | 0.00 | 0.06 | 0.67 | 85.8 | 20 | 53 |
| Hg | 1.35 | 0.49 | 1.19 | 1.86 | 0.02 | 1.51 | 2.33 | 45.7 | 104 | 4003 |
| Mn | 0.52 | 0.52 | 0.35 | 2.57 | 0.03 | 0.40 | 3.32 | 85.8 | 0 | 53 |
| Ni | 0.08 | 0.08 | 0.06 | 2.53 | 0.00 | 0.06 | 0.35 | 84.1 | 11 | 52 |
| Pb | 0.56 | 0.94 | 0.20 | 5.19 | 0.00 | 0.20 | 5.51 | 85.8 | 7 | 53 |
| Zn | 0.69 | 0.93 | 0.41 | 3.51 | 0.00 | 0.40 | 4.81 | 85.8 | 14 | 53 |

DK0011G Nuuk, Greenland Denmark

May 2001 - October 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.00 | 0.04 | 0.01 | 2.30 | 0.00 | 0.01 | 0.06 | 31.0 | 10 | 19 |
| Cr | 0.07 | 0.11 | 0.06 | 2.81 | 0.00 | 0.05 | 0.37 | 29.9 | 12 | 18 |
| Cu | 0.77 | 14.79 | 0.21 | 5.65 | 0.00 | 0.11 | 61.68 | 29.9 | 1 | 18 |
| Hg | 1.39 | 0.15 | 1.38 | 1.11 | 0.97 | 1.37 | 2.73 | 18.9 | 0 | 1655 |
| Mn | 0.60 | 0.80 | 0.44 | 2.55 | 0.08 | 0.43 | 3.49 | 31.0 | 0 | 19 |
| Ni | 0.32 | 6.24 | 0.10 | 5.88 | 0.00 | 0.06 | 26.00 | 29.9 | 5 | 18 |
| Pb | 0.40 | 0.58 | 0.27 | 2.75 | 0.00 | 0.22 | 2.41 | 31.0 | 1 | 19 |
| Zn | 3.82 | 52.28 | 1.58 | 4.72 | 0.00 | 1.06 | 218.96 | 29.9 | 2 | 18 |

DK0015G Thorshavn Faroe Island Denmark

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Hg | 1.66 | 0.95 | 1.58 | 1.28 | 1.12 | 1.53 | 18.59 | 13.6 | 0 | 1194 |

DK0031R Ulborg Denmark

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.34 | 0.46 | 0.21 | 2.90 | 0.00 | 0.21 | 3.29 | 100.0 | 58 | 365 |
| Cd | 0.13 | 0.28 | 0.15 | 2.86 | 0.00 | 0.11 | 2.23 | 100.0 | 338 | 365 |
| Cr | 0.19 | 0.64 | 0.30 | 3.68 | 0.00 | 0.08 | 5.13 | 99.7 | 276 | 364 |
| Cu | 0.89 | 1.29 | 0.48 | 3.57 | 0.00 | 0.46 | 17.05 | 100.0 | 70 | 365 |
| Fe | 46.57 | 56.17 | 24.80 | 3.45 | 0.19 | 25.95 | 347.54 | 100.0 | 11 | 365 |
| Mn | 1.80 | 1.77 | 1.22 | 2.58 | 0.00 | 1.17 | 12.11 | 99.7 | 32 | 364 |
| Ni | 1.05 | 1.50 | 0.64 | 3.13 | 0.00 | 0.74 | 20.78 | 100.0 | 52 | 365 |
| Pb | 4.16 | 6.54 | 1.86 | 4.14 | 0.00 | 2.17 | 54.32 | 100.0 | 20 | 365 |
| Zn | 9.25 | 11.16 | 5.23 | 3.23 | 0.00 | 5.78 | 72.40 | 100.0 | 19 | 365 |

ES0008R Niembro Spain

March 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.14 | 0.12 | 0.10 | 2.79 | 0.01 | 0.11 | 0.46 | 10.1 | 3 | 37 |
| Cu | 37.84 | 48.17 | 20.39 | 3.71 | 0.20 | 23.95 | 209.10 | 9.0 | 0 | 33 |
| Pb | 8.45 | 7.36 | 6.03 | 2.33 | 1.30 | 5.86 | 28.52 | 10.1 | 0 | 37 |

ES0009R Campisabalos Spain

March 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.07 | 0.06 | 0.05 | 3.10 | 0.01 | 0.07 | 0.23 | 10.1 | 5 | 37 |
| Cu | 33.59 | 42.40 | 18.95 | 4.21 | 0.09 | 26.80 | 252.00 | 9.0 | 1 | 33 |
| Pb | 5.08 | 2.91 | 3.73 | 2.62 | 0.40 | 6.11 | 10.06 | 10.1 | 0 | 37 |

FI0036R Matorova Finland

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.32 | 0.83 | 0.13 | 4.19 | 0.01 | 0.13 | 5.01 | 98.3 | 2 | 56 |
| Cd | 0.05 | 0.10 | 0.03 | 3.48 | 0.00 | 0.03 | 0.52 | 98.3 | 0 | 56 |
| Cr | 0.13 | 0.13 | 0.07 | 4.90 | 0.00 | 0.13 | 0.66 | 98.3 | 9 | 56 |
| Cu | 0.52 | 1.20 | 0.27 | 3.34 | 0.02 | 0.25 | 6.80 | 98.3 | 0 | 56 |
| Fe | 25.28 | 17.08 | 21.49 | 2.08 | 3.39 | 23.41 | 69.16 | 98.3 | 0 | 56 |
| Mn | 0.74 | 0.69 | 0.56 | 2.52 | 0.07 | 0.61 | 3.66 | 98.3 | 0 | 56 |
| Ni | 0.52 | 1.21 | 0.22 | 4.75 | 0.00 | 0.25 | 6.73 | 98.3 | 3 | 56 |
| Pb | 1.39 | 2.98 | 0.76 | 3.35 | 0.04 | 0.78 | 18.56 | 98.3 | 0 | 56 |
| V | 0.53 | 1.19 | 0.29 | 3.37 | 0.03 | 0.28 | 7.35 | 98.3 | 0 | 56 |
| Zn | 2.46 | 3.73 | 1.62 | 2.77 | 0.20 | 1.60 | 21.48 | 98.3 | 0 | 56 |

FI0096R Pallas Finland

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Hg | 1.32 | 0.19 | 1.31 | 1.16 | 0.90 | 1.30 | 1.80 | 26.0 | 0 | 93 |

GB0014R High Muffles United Kingdom

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.34 | 0.11 | 0.33 | 1.41 | 0.20 | 0.30 | 0.50 | 99.7 | 0 | 12 |
| Cd | 0.21 | 0.25 | 0.16 | 2.00 | 0.00 | 0.10 | 1.00 | 100.4 | 0 | 13 |
| Cr | 1.10 | 0.37 | 1.06 | 1.36 | 0.68 | 0.93 | 1.93 | 99.7 | 0 | 12 |
| Cu | 1.99 | 1.69 | 1.72 | 1.71 | 1.10 | 1.30 | 7.20 | 99.7 | 0 | 12 |
| Ni | 1.15 | 0.34 | 1.11 | 1.37 | 0.58 | 1.10 | 1.75 | 99.7 | 0 | 12 |
| Pb | 5.49 | 2.24 | 5.13 | 1.47 | 3.10 | 5.30 | 10.50 | 99.7 | 0 | 12 |
| Ti | 3.47 | 1.67 | 3.13 | 1.64 | 1.30 | 3.20 | 6.60 | 99.7 | 0 | 12 |
| Zn | 34.28 | 19.30 | 27.48 | 2.48 | 2.20 | 33.00 | 71.70 | 99.7 | 0 | 12 |

GB0090R East Ruston United Kingdom

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.62 | 0.40 | 0.57 | 1.73 | 0.30 | 0.50 | 1.50 | 91.0 | 0 | 11 |
| Cd | 0.21 | 0.16 | 0.21 | 1.85 | 0.00 | 0.20 | 0.50 | 91.0 | 0 | 11 |
| Cr | 0.95 | 0.82 | 0.87 | 1.67 | 0.51 | 0.70 | 3.42 | 91.0 | 0 | 11 |
| Cu | 2.22 | 1.07 | 2.14 | 1.51 | 1.20 | 2.00 | 4.70 | 91.0 | 0 | 11 |
| Ni | 2.26 | 1.12 | 2.15 | 1.58 | 1.14 | 2.08 | 4.73 | 91.0 | 0 | 11 |
| Pb | 8.06 | 5.33 | 7.35 | 1.77 | 3.60 | 6.15 | 19.20 | 91.0 | 0 | 11 |
| Ti | 4.95 | 5.04 | 4.20 | 1.94 | 1.90 | 3.25 | 19.70 | 91.0 | 0 | 11 |
| Zn | 38.01 | 41.38 | 23.75 | 3.29 | 3.80 | 21.80 | 122.50 | 91.0 | 0 | 11 |

GB0091R Banchory United Kingdom

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.38 | 0.30 | 0.30 | 1.97 | 0.10 | 0.20 | 1.10 | 100.0 | 0 | 12 |
| Cd | 0.07 | 0.09 | 0.12 | 1.57 | 0.00 | 0.00 | 0.30 | 100.0 | 0 | 12 |
| Cr | 0.47 | 0.38 | 0.38 | 1.95 | 0.17 | 0.27 | 1.35 | 100.0 | 0 | 12 |
| Cu | 0.76 | 0.24 | 0.73 | 1.35 | 0.50 | 0.70 | 1.30 | 100.0 | 0 | 12 |
| Ni | 0.47 | 0.11 | 0.46 | 1.28 | 0.30 | 0.47 | 0.62 | 100.0 | 0 | 12 |
| Pb | 2.36 | 1.12 | 2.11 | 1.62 | 1.00 | 1.70 | 4.40 | 100.0 | 0 | 12 |
| Ti | 3.45 | 2.63 | 2.75 | 2.05 | 1.10 | 2.10 | 9.20 | 100.0 | 0 | 12 |
| Zn | 13.24 | 14.54 | 5.96 | 4.75 | 0.50 | 4.30 | 42.70 | 85.5 | 0 | 10 |

IS0091R Storhofdi Iceland

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Al | 309.38 | 393.28 | 181.75 | 3.37 | 26.50 | 177.25 | 1433.40 | 100.0 | 0 | 25 |
| As | 0.05 | 0.04 | 0.03 | 3.78 | 0.00 | 0.04 | 0.21 | 100.0 | 2 | 25 |
| Cd | 0.04 | 0.07 | 0.02 | 3.00 | 0.00 | 0.01 | 0.33 | 100.0 | 0 | 25 |
| Cr | 6.46 | 4.72 | 4.61 | 2.61 | 0.29 | 4.35 | 15.10 | 100.0 | 0 | 25 |
| Cu | 0.52 | 0.42 | 0.45 | 1.95 | 0.11 | 0.39 | 1.69 | 100.0 | 0 | 25 |
| Fe | 311.68 | 493.68 | 212.09 | 2.84 | 46.90 | 145.60 | 2135.00 | 100.0 | 0 | 25 |
| Hg | 4.78 | 2.26 | 4.21 | 1.61 | 1.46 | 3.85 | 11.40 | 100.0 | 0 | 25 |
| Mn | 5.42 | 6.38 | 3.83 | 2.61 | 0.85 | 2.71 | 22.00 | 100.0 | 0 | 25 |
| Ni | 3.70 | 2.54 | 2.83 | 2.31 | 0.30 | 2.71 | 8.73 | 100.0 | 0 | 25 |
| Pb | 0.36 | 0.25 | 0.30 | 2.03 | 0.07 | 0.27 | 0.90 | 100.0 | 0 | 25 |
| V | 1.14 | 1.01 | 0.84 | 2.25 | 0.28 | 0.63 | 4.07 | 99.3 | 0 | 24 |
| Zn | 2.71 | 1.62 | 2.34 | 1.76 | 1.04 | 2.08 | 6.45 | 99.3 | 0 | 24 |

LT0015R Preila Lithuania

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.21 | 0.12 | 0.17 | 2.02 | 0.02 | 0.18 | 0.53 | 99.7 | 0 | 52 |
| Cu | 1.84 | 0.70 | 1.72 | 1.45 | 0.86 | 1.77 | 4.11 | 99.7 | 0 | 52 |
| Pb | 6.50 | 3.36 | 5.66 | 1.73 | 1.90 | 6.50 | 14.50 | 99.7 | 0 | 52 |
| Zn | 25.41 | 10.80 | 23.23 | 1.55 | 6.60 | 23.70 | 52.60 | 99.7 | 0 | 52 |

LV0010R Rucava Latvia

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.48 | 0.33 | 0.40 | 1.96 | 0.08 | 0.43 | 1.63 | 100.3 | 0 | 53 |
| Cu | 2.17 | 1.54 | 1.75 | 1.96 | 0.41 | 1.63 | 7.66 | 100.3 | 0 | 53 |
| Ni | 2.12 | 2.23 | 1.37 | 2.57 | 0.18 | 1.13 | 10.70 | 91.8 | 1 | 48 |
| Pb | 8.16 | 6.19 | 6.53 | 2.11 | 0.89 | 7.09 | 31.40 | 100.3 | 0 | 53 |
| Zn | 46.86 | 40.10 | 35.32 | 2.14 | 8.28 | 32.85 | 191.00 | 100.3 | 0 | 53 |

LV0016R Zoseni Latvia

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.21 | 0.15 | 0.18 | 1.89 | 0.06 | 0.15 | 0.58 | 94.2 | 0 | 50 |
| Cu | 1.32 | 1.72 | 0.83 | 2.55 | 0.05 | 0.83 | 9.52 | 94.2 | 4 | 50 |
| Ni | 1.79 | 2.83 | 0.80 | 3.59 | 0.05 | 0.81 | 11.50 | 86.3 | 6 | 45 |
| Pb | 2.87 | 2.06 | 2.37 | 1.89 | 0.74 | 2.08 | 9.94 | 94.2 | 0 | 50 |
| Zn | 11.78 | 7.78 | 10.41 | 1.59 | 3.29 | 10.60 | 55.50 | 94.2 | 0 | 50 |

NL0009R Kollumerwaard Netherlands

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.53 | 0.58 | 0.40 | 2.28 | 0.00 | 0.40 | 5.20 | 49.6 | 41 | 181 |
| Cd | 0.14 | 0.17 | 0.17 | 1.81 | 0.00 | 0.10 | 1.60 | 49.6 | 38 | 181 |
| Pb | 7.15 | 7.08 | 4.67 | 2.80 | 0.00 | 5.20 | 63.20 | 49.6 | 0 | 181 |
| Zn | 21.96 | 19.50 | 16.18 | 2.20 | 1.70 | 15.60 | 134.40 | 49.6 | 69 | 181 |

NO0042G Zeppelin, Spitsbergen Norway

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.40 | 0.27 | 0.31 | 2.16 | 0.05 | 0.32 | 1.22 | 27.2 | 0 | 52 |
| Cd | 0.02 | 0.02 | 0.01 | 4.08 | 0.00 | 0.01 | 0.06 | 27.2 | 12 | 52 |
| Co | 0.01 | 0.01 | 0.01 | 2.50 | 0.00 | 0.01 | 0.03 | 27.2 | 26 | 52 |
| Cr | 0.04 | 0.04 | 0.03 | 2.43 | 0.01 | 0.02 | 0.16 | 27.2 | 27 | 52 |
| Cu | 0.31 | 0.21 | 0.23 | 2.78 | 0.01 | 0.32 | 1.13 | 27.2 | 1 | 52 |
| Mn | 0.23 | 0.23 | 0.15 | 2.80 | 0.04 | 0.15 | 0.94 | 27.2 | 17 | 52 |
| Ni | 0.08 | 0.07 | 0.05 | 2.63 | 0.00 | 0.05 | 0.29 | 27.2 | 3 | 52 |
| Pb | 0.50 | 0.61 | 0.22 | 4.34 | 0.01 | 0.21 | 2.54 | 27.2 | 0 | 52 |
| V | 0.12 | 0.13 | 0.07 | 2.67 | 0.02 | 0.07 | 0.57 | 27.2 | 19 | 52 |
| Zn | 1.28 | 1.14 | 0.92 | 2.78 | 0.03 | 1.04 | 5.67 | 27.2 | 2 | 52 |
| Hg (g) | 1.56 | 0.26 | 1.53 | 1.26 | 0.15 | 1.61 | 2.46 | 90.2 | 0 | 7901 |
| Hg (RGM) | 5.99 | 7.08 | 2.21 | 3.22 | 0.40 | 1.80 | 24.70 | 3.8 | 0 | 13 |

NO0099R Lista Norway

January 2001 - December 2001

Fine fraction, PM2.5:

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.49 | 0.12 | 0.49 | 1.22 | 0.23 | 0.47 | 1.05 | 96.1 | 51 | 51 |
| Cd | 0.06 | 0.05 | 0.05 | 2.33 | 0.00 | 0.04 | 0.18 | 96.1 | 1 | 51 |
| Co | 0.02 | 0.03 | 0.02 | 2.10 | 0.00 | 0.01 | 0.16 | 96.1 | 10 | 51 |
| Cr | 0.37 | 0.78 | 0.22 | 2.13 | 0.08 | 0.16 | 4.50 | 96.1 | 41 | 51 |
| Cu | 0.32 | 0.54 | 0.22 | 2.93 | 0.02 | 0.24 | 3.06 | 96.1 | 1 | 51 |
| Ni | 0.62 | 0.51 | 0.44 | 2.36 | 0.08 | 0.47 | 2.59 | 96.1 | 0 | 51 |
| Pb | 1.98 | 6.75 | 1.34 | 3.10 | 0.15 | 1.64 | 48.28 | 96.1 | 0 | 51 |
| V | 6.40 | 6.07 | 5.85 | 1.57 | 2.50 | 5.03 | 42.00 | 96.1 | 46 | 51 |
| Zn | 5.36 | 5.26 | 3.65 | 2.82 | 0.38 | 3.83 | 25.36 | 96.1 | 0 | 51 |

Course fraction, PM10-PM25:

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| As | 0.17 | 0.16 | 0.15 | 1.67 | 0.06 | 0.12 | 0.87 | 94.2 | 45 | 50 |
| Cd | 0.01 | 0.01 | 0.01 | 1.57 | 0.00 | 0.01 | 0.04 | 94.2 | 3 | 50 |
| Co | 0.01 | 0.01 | 0.02 | 1.67 | 0.00 | 0.01 | 0.08 | 94.2 | 6 | 50 |
| Cr | 0.64 | 0.67 | 0.48 | 2.09 | 0.16 | 0.32 | 3.08 | 94.2 | 38 | 50 |
| Cu | 0.32 | 0.26 | 0.27 | 1.93 | 0.08 | 0.26 | 1.36 | 94.2 | 0 | 50 |
| Ni | 0.13 | 0.07 | 0.10 | 2.36 | 0.01 | 0.13 | 0.25 | 94.2 | 4 | 50 |
| Pb | 0.44 | 1.53 | 0.32 | 2.80 | 0.03 | 0.31 | 10.95 | 94.2 | 0 | 50 |
| V | 1.69 | 1.49 | 1.45 | 1.62 | 0.61 | 1.23 | 8.28 | 94.2 | 46 | 50 |
| Zn | 1.60 | 1.23 | 1.26 | 2.06 | 0.22 | 1.27 | 7.01 | 94.2 | 0 | 50 |
| Hg (g) | 1.65 | 0.26 | 1.63 | 1.17 | 1.21 | 1.64 | 2.18 | 5.5 | 0 | 20 |

SE0002R Rorvik Sweden

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Hg | 1.66 | 0.33 | 1.63 | 1.19 | 1.10 | 1.60 | 3.30 | 28.8 | 0 | 105 |

SK0002R Chopok Slovakia

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.01 | 0.01 | 0.01 | 2.07 | 0.01 | 0.01 | 0.05 | 73.2 | 0 | 45 |
| Cr | 1.10 | 1.70 | 0.38 | 5.18 | 0.02 | 0.35 | 7.72 | 71.5 | 0 | 44 |
| Cu | 0.92 | 0.68 | 0.72 | 2.34 | 0.06 | 0.84 | 3.10 | 73.2 | 0 | 45 |
| Mn | 1.41 | 1.25 | 0.87 | 2.86 | 0.10 | 0.85 | 5.56 | 73.2 | 0 | 45 |
| Ni | 0.61 | 0.79 | 0.29 | 3.80 | 0.04 | 0.31 | 3.79 | 71.5 | 0 | 44 |
| Pb | 2.86 | 2.77 | 1.94 | 2.81 | 0.03 | 1.95 | 15.94 | 73.2 | 0 | 45 |
| Zn | 5.00 | 5.54 | 2.81 | 2.90 | 0.74 | 2.24 | 30.47 | 73.2 | 0 | 45 |

SK0004R Stara Lesna Slovakia

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.11 | 0.17 | 0.04 | 4.38 | 0.01 | 0.03 | 0.80 | 80.8 | 0 | 48 |
| Cr | 0.68 | 0.80 | 0.40 | 3.00 | 0.02 | 0.44 | 4.69 | 80.8 | 0 | 48 |
| Cu | 2.61 | 1.97 | 2.27 | 1.66 | 0.98 | 2.08 | 12.93 | 80.8 | 0 | 48 |
| Mn | 4.16 | 1.90 | 3.73 | 1.60 | 1.20 | 3.63 | 8.37 | 80.8 | 0 | 48 |
| Ni | 0.65 | 0.54 | 0.49 | 2.03 | 0.16 | 0.45 | 2.64 | 80.8 | 0 | 48 |
| Pb | 7.80 | 4.11 | 6.96 | 1.55 | 3.19 | 6.55 | 24.92 | 80.8 | 0 | 48 |
| Zn | 22.72 | 13.65 | 16.20 | 2.82 | 0.91 | 21.24 | 56.43 | 80.0 | 0 | 47 |

SK0005R Liesek Slovakia

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.15 | 0.22 | 0.04 | 5.99 | 0.01 | 0.04 | 0.98 | 81.6 | 0 | 50 |
| Cr | 1.64 | 2.04 | 0.96 | 3.01 | 0.02 | 0.95 | 11.84 | 80.0 | 0 | 49 |
| Cu | 15.25 | 17.80 | 8.77 | 2.82 | 1.94 | 7.48 | 83.02 | 81.6 | 0 | 50 |
| Mn | 20.17 | 13.92 | 15.94 | 2.05 | 4.35 | 15.69 | 63.69 | 81.6 | 0 | 50 |
| Ni | 1.07 | 1.71 | 0.58 | 2.99 | 0.04 | 0.51 | 10.75 | 81.6 | 0 | 50 |
| Pb | 10.46 | 5.33 | 9.42 | 1.57 | 3.24 | 9.45 | 31.62 | 81.6 | 0 | 50 |
| Zn | 21.73 | 12.49 | 18.04 | 2.02 | 0.91 | 18.30 | 66.79 | 81.6 | 0 | 50 |

SK0006R Starina Slovakia

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.08 | 0.29 | 0.02 | 6.64 | 0.01 | 0.01 | 1.53 | 74.2 | 0 | 50 |
| Cr | 1.56 | 1.14 | 1.30 | 1.71 | 0.31 | 1.26 | 8.10 | 72.6 | 0 | 49 |
| Cu | 3.60 | 3.77 | 3.19 | 1.70 | 1.29 | 3.02 | 25.53 | 74.2 | 0 | 50 |
| Mn | 4.63 | 2.58 | 3.83 | 1.87 | 0.60 | 3.54 | 12.38 | 74.2 | 0 | 50 |
| Ni | 1.20 | 0.69 | 0.85 | 2.80 | 0.04 | 1.12 | 3.40 | 72.6 | 0 | 49 |
| Pb | 11.88 | 9.22 | 9.91 | 2.13 | 1.16 | 10.67 | 50.11 | 74.2 | 0 | 50 |
| Zn | 16.42 | 10.79 | 10.68 | 2.95 | 0.91 | 14.40 | 55.43 | 74.2 | 0 | 50 |

SK0007R Topoliniky Slovakia

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| Cd | 0.12 | 0.46 | 0.03 | 7.25 | 0.01 | 0.02 | 2.36 | 81.6 | 0 | 55 |
| Cr | 3.57 | 2.68 | 3.09 | 1.80 | 0.69 | 2.99 | 17.76 | 80.0 | 0 | 54 |
| Cu | 4.34 | 2.01 | 4.15 | 1.48 | 2.14 | 3.85 | 10.89 | 81.6 | 0 | 55 |
| Mn | 7.73 | 4.12 | 6.72 | 1.71 | 2.62 | 7.24 | 19.94 | 80.0 | 0 | 54 |
| Ni | 3.13 | 2.65 | 2.53 | 2.23 | 0.04 | 2.40 | 14.05 | 78.4 | 0 | 53 |
| Pb | 16.53 | 16.79 | 13.91 | 2.00 | 3.42 | 12.30 | 76.64 | 81.6 | 0 | 55 |
| Zn | 27.15 | 18.19 | 22.79 | 2.13 | 0.91 | 26.83 | 96.21 | 76.7 | 0 | 52 |

# Annex 3

# Annual statistics for POPs in precipitation

BE0004R Knokke Belgium

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Precip | - | 13.7 | 134.2 | 749.8 | 0 | 13 |
| alpha_HCH | 0.50 | 0.50 | 0.50 | 374.9 | 12 | 12 |
| dieldrin | 0.96 | 0.50 | 1.00 | 718.8 | 12 | 12 |
| endrin | 1.46 | 1.00 | 1.50 | 1093.8 | 12 | 12 |
| gamma_HCH | 12.63 | 0.50 | 130.00 | 9472.8 | 5 | 12 |
| heptachlor | 1.00 | 1.00 | 1.00 | 749.8 | 12 | 12 |
| pp_DDD | 0.50 | 0.50 | 0.50 | 374.9 | 12 | 12 |
| pp_DDE | 1.00 | 1.00 | 1.00 | 749.8 | 12 | 12 |
| pp_DDT | 0.50 | 0.50 | 0.50 | 374.9 | 12 | 12 |

DE0001R Westerland Germany

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| HCB | 0.26 | 0.08 | 0.50 | 175.2 | 1 | 12 |
| PCB_101 | 0.859 | 0.050 | 2.970 | 582.5 | 0 | 12 |
| PCB_118 | 0.448 | 0.090 | 1.370 | 304.1 | 0 | 12 |
| PCB_138 | 1.598 | 0.270 | 4.620 | 1083.8 | 0 | 12 |
| PCB_153 | 1.034 | 0.230 | 2.700 | 701.5 | 0 | 12 |
| PCB_180 | 0.600 | 0.020 | 1.830 | 406.7 | 1 | 12 |
| PCB_28 | 1.327 | 0.260 | 5.320 | 899.8 | 0 | 12 |
| PCB_52 | 0.736 | 0.060 | 2.970 | 499.3 | 0 | 12 |
| Precip | - | 12.8 | 115.4 | 678.2 | 0 | 12 |
| alpha_HCH | 0.53 | 0.30 | 0.64 | 357.1 | 0 | 12 |
| anthracene | 11.32 | 4.10 | 24.70 | 7676.5 | 0 | 12 |
| benz_a_anthracene | 2.52 | 0.35 | 16.80 | 1708.9 | 1 | 12 |
| benzo_a_pyrene | 1.859 | 0.300 | 3.400 | 1260.7 | 1 | 12 |
| benzo_ghi_perylene | 3.00 | 0.60 | 9.80 | 2038.2 | 1 | 12 |
| dibenzo_ah_anthracene | 0.27 | 0.05 | 1.03 | 180.4 | 7 | 12 |
| dieldrin | 0.08 | 0.03 | 0.24 | 53.8 | 2 | 12 |
| endrin | 0.01 | 0.01 | 0.08 | 10.3 | 11 | 12 |
| fluoranthene | 13.88 | 6.70 | 43.80 | 9410.2 | 0 | 11 |
| gamma_HCH | 3.24 | 1.68 | 11.92 | 2194.7 | 0 | 12 |
| heptachlor | 0.00 | 0.00 | 0.01 | 2.6 | 12 | 12 |
| inden_123cd_pyrene | 3.16 | 0.60 | 12.50 | 2142.3 | 1 | 12 |
| op_DDD | 0.01 | 0.01 | 0.04 | 6.5 | 12 | 12 |
| op_DDE | 0.01 | 0.00 | 0.12 | 5.9 | 11 | 12 |
| op_DDT | 0.14 | 0.01 | 1.31 | 94.8 | 7 | 12 |
| phenanthrene | 37.01 | 13.60 | 151.30 | 25102.1 | 0 | 12 |
| pp_DDD | 0.08 | 0.01 | 0.42 | 51.4 | 10 | 12 |
| pp_DDE | 0.37 | 0.00 | 1.52 | 248.5 | 3 | 12 |
| pp_DDT | 0.50 | 0.04 | 2.12 | 341.9 | 1 | 12 |
| pyrene | 13.58 | 5.70 | 35.20 | 9211.0 | 0 | 11 |

DE0009R Zingst Germany

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| HCB | 0.57 | 0.28 | 1.66 | 362.9 | 0 | 12 |
| PCB_101 | 1.074 | 0.210 | 4.630 | 687.7 | 0 | 12 |
| PCB_138 | 0.734 | 0.180 | 2.570 | 469.8 | 0 | 12 |
| PCB_153 | 0.666 | 0.180 | 2.210 | 426.7 | 0 | 12 |
| PCB_180 | 0.314 | 0.020 | 1.810 | 201.4 | 3 | 12 |
| PCB_28 | 1.156 | 0.590 | 3.300 | 740.0 | 0 | 12 |
| PCB_52 | 1.135 | 0.360 | 3.350 | 726.6 | 0 | 12 |
| Precip | - | 13.2 | 110.8 | 640.4 | 0 | 12 |
| alpha_HCH | 0.52 | 0.27 | 0.74 | 333.5 | 0 | 12 |
| anthracene | 17.73 | 4.20 | 73.50 | 11352.6 | 0 | 12 |
| benz_a_anthracene | 4.07 | 0.05 | 27.30 | 2604.4 | 2 | 12 |
| benzo_a_pyrene | 3.327 | 0.050 | 26.500 | 2130.7 | 3 | 12 |
| benzo_ghi_perylene | 5.04 | 0.15 | 48.50 | 3229.8 | 2 | 12 |
| dibenzo_ah_anthracene | 0.39 | 0.05 | 4.40 | 250.4 | 8 | 12 |
| dieldrin | 0.12 | 0.03 | 0.32 | 74.1 | 2 | 12 |
| endrin | 0.01 | 0.00 | 0.04 | 6.0 | 12 | 12 |
| fluoranthene | 21.48 | 3.90 | 96.20 | 13759.2 | 0 | 12 |
| gamma_HCH | 16.35 | 4.80 | 58.20 | 10470.2 | 0 | 12 |
| heptachlor | 0.00 | 0.00 | 0.01 | 2.4 | 12 | 12 |
| inden_123cd_pyrene | 5.29 | 0.20 | 47.00 | 3391.1 | 3 | 12 |
| op_DDD | 0.05 | 0.01 | 0.30 | 31.5 | 9 | 12 |
| op_DDE | 0.10 | 0.00 | 0.53 | 67.3 | 5 | 12 |
| op_DDT | 0.83 | 0.21 | 2.96 | 533.7 | 0 | 12 |
| phenanthrene | 68.06 | 18.40 | 217.30 | 43589.0 | 0 | 12 |
| pp_DDD | 0.11 | 0.01 | 0.44 | 73.2 | 7 | 12 |
| pp_DDE | 1.13 | 0.24 | 4.55 | 724.5 | 0 | 12 |
| pp_DDT | 1.94 | 0.56 | 5.11 | 1241.9 | 0 | 12 |
| pyrene | 23.03 | 4.60 | 93.20 | 14745.8 | 0 | 12 |

FI0096R Pallas Finland (precipitation + dry deposition)

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| (ng/m2 day) | | | | | | |
| PCB_101 | 0.032 | 0.005 | 0.050 | 2.3 | 1 | 10 |
| PCB_118 | 0.018 | 0.005 | 0.040 | 1.3 | 1 | 10 |
| PCB_138 | 0.036 | 0.010 | 0.080 | 2.6 | 0 | 10 |
| PCB_153 | 0.033 | 0.010 | 0.050 | 2.4 | 0 | 10 |
| PCB_180 | 0.022 | 0.010 | 0.040 | 1.6 | 0 | 10 |
| PCB_28 | 0.049 | 0.030 | 0.100 | 3.5 | 0 | 10 |
| PCB_52 | 0.099 | 0.030 | 0.210 | 7.2 | 0 | 10 |
| anthracene | 0.67 | 0.50 | 1.00 | 58.5 | 8 | 12 |
| benz_a_anthracene | 10.46 | 0.50 | 35.00 | 920.5 | 1 | 12 |
| benzo_a_pyrene | 5.409 | 0.500 | 17.000 | 476.0 | 2 | 12 |
| benzo_ghi_perylene | 2.44 | 0.50 | 9.00 | 214.5 | 6 | 12 |
| chrysene_triphenylene | 10.35 | 0.50 | 28.00 | 910.5 | 1 | 12 |
| fluoranthene | 9.04 | 1.00 | 31.00 | 796.0 | 0 | 12 |
| inden_123cd_pyrene | 3.79 | 1.00 | 15.00 | 334.0 | 7 | 12 |
| phenanthrene | 11.98 | 2.00 | 38.00 | 1054.0 | 0 | 12 |
| pyrene | 6.40 | 1.00 | 21.00 | 563.0 | 0 | 12 |

IE0002R Turlough Hill Ireland

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| PCB_101 | 0.955 | 0.600 | 2.250 | 1370.0 | 8 | 8 |
| PCB_118 | 0.933 | 0.600 | 2.250 | 1338.3 | 8 | 8 |
| PCB_138 | 0.933 | 0.600 | 2.250 | 1338.3 | 8 | 8 |
| PCB_153 | 0.933 | 0.600 | 2.250 | 1338.3 | 8 | 8 |
| PCB_180 | 1.305 | 0.700 | 4.500 | 1872.2 | 8 | 8 |
| PCB_52 | 1.036 | 0.600 | 2.250 | 1486.2 | 8 | 8 |
| Precip | - | 39.9 | 243.0 | 1434.3 | 0 | 12 |
| alpha_HCH | 0.93 | 0.60 | 2.25 | 1338.3 | 8 | 8 |
| dieldrin | 0.93 | 0.60 | 2.25 | 1338.3 | 8 | 8 |
| endrin | 0.93 | 0.60 | 2.25 | 1338.3 | 8 | 8 |
| gamma_HCH | 1.12 | 0.60 | 4.50 | 1606.5 | 8 | 8 |
| heptachlor | 0.93 | 0.60 | 2.25 | 1338.3 | 8 | 8 |
| op_DDD | 0.90 | 0.70 | 1.25 | 1287.2 | 5 | 5 |
| op_DDT | 0.90 | 0.70 | 1.25 | 1287.2 | 5 | 5 |
| pp_DDD | 0.90 | 0.70 | 1.25 | 1287.2 | 5 | 5 |
| pp_DDE | 0.90 | 0.70 | 1.25 | 1287.2 | 5 | 5 |
| pp_DDT | 0.93 | 0.60 | 2.25 | 1338.3 | 8 | 8 |

IS0091R Storhofdi Iceland

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| HCB | 0.01 | 0.00 | 0.07 | 9.6 | 1 | 25 |
| PCB_101 | 0.014 | 0.001 | 0.133 | 10.4 | 16 | 25 |
| PCB_105 | 0.01 | 0.00 | 0.03 | 6.6 | 13 | 25 |
| PCB_118 | 0.008 | 0.002 | 0.050 | 5.7 | 24 | 25 |
| PCB_138 | 0.015 | 0.001 | 0.055 | 10.8 | 9 | 25 |
| PCB_153 | 0.011 | 0.001 | 0.050 | 8.0 | 17 | 25 |
| PCB_156 | 0.01 | 0.00 | 0.03 | 3.3 | 23 | 25 |
| PCB_180 | 0.005 | 0.001 | 0.034 | 3.5 | 22 | 25 |
| PCB_28 | 0.125 | 0.015 | 0.525 | 89.9 | 17 | 25 |
| PCB_31 | 0.101 | 0.014 | 0.467 | 72.3 | 18 | 25 |
| PCB_52 | 0.039 | 0.006 | 0.167 | 27.9 | 17 | 25 |
| Precip | - | 3.0 | 86.0 | 717.0 | 0 | 25 |
| alpha_HCH | 0.22 | 0.11 | 0.47 | 155.7 | 0 | 25 |
| beta_HCH | 0.01 | 0.00 | 0.06 | 6.1 | 12 | 25 |
| cis_CD | 0.01 | 0.00 | 0.03 | 4.7 | 10 | 25 |
| dieldrin | 0.05 | 0.01 | 0.18 | 33.1 | 3 | 25 |
| gamma_HCH | 0.21 | 0.06 | 1.40 | 152.1 | 0 | 25 |
| op_DDT | 0.01 | 0.00 | 0.05 | 6.2 | 12 | 25 |
| pp_DDD | 0.01 | 0.00 | 0.07 | 3.5 | 25 | 25 |
| pp_DDE | 0.00 | 0.00 | 0.03 | 3.0 | 20 | 25 |
| pp_DDT | 0.01 | 0.00 | 0.03 | 4.4 | 15 | 25 |
| trans_CD | 0.00 | 0.00 | 0.03 | 2.9 | 14 | 25 |
| trans_NO | 0.00 | 0.00 | 0.02 | 2.0 | 19 | 25 |

LT0015R Preila Lithuania (wet deposition)

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| (ng/m2 month) | | | | | | |
| benzo_a_pyrene | 45.059 | 29.700 | 75.200 | 540.7 | 0 | 11 |

NL0091R De Zilk Netherlands

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| Precip | - | 27.8 | 167.5 | 916.4 | 0 | 13 |
| gamma_HCH | 6.07 | 5.00 | 20.00 | 5564.4 | 11 | 13 |

NO0099R Lista Norway

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| HCB | 0.50 | 0.00 | 766.59 | 654.5 | 0 | 56 |
| Precip | - | 1.8 | 82.0 | 1303.3 | 0 | 56 |
| alpha_HCH | 0.60 | 0.28 | 341.00 | 783.8 | 1 | 56 |
| gamma_HCH | 2.50 | 0.30 | 515.80 | 3263.5 | 1 | 56 |

SE0002R Rorvik Sweden (precipitation + dry deposition)

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| (ng/m2day) | | | | | | |
| PCB_101 | 0.061 | 0.030 | 0.180 | 20.2 | 0 | 12 |
| PCB_118 | 0.038 | 0.020 | 0.070 | 12.7 | 0 | 12 |
| PCB_138 | 0.117 | 0.060 | 0.220 | 38.9 | 0 | 12 |
| PCB_153 | 0.106 | 0.050 | 0.220 | 35.2 | 0 | 12 |
| PCB_180 | 0.079 | 0.050 | 0.200 | 26.3 | 0 | 12 |
| PCB_28 | 0.037 | 0.000 | 0.140 | 12.2 | 1 | 12 |
| PCB_52 | 0.060 | 0.030 | 0.150 | 20.0 | 0 | 12 |
| anthracene | 1.07 | 0.50 | 5.00 | 357.0 | 6 | 12 |
| benz_a_anthracene | 4.54 | 1.00 | 28.00 | 1507.0 | 0 | 12 |
| benzo_a_pyrene | 5.130 | 1.000 | 25.000 | 1703.0 | 0 | 12 |
| benzo_ghi_perylene | 5.70 | 1.00 | 41.00 | 1892.0 | 0 | 12 |
| chrysene_triphenylene | 13.65 | 2.00 | 85.00 | 4533.0 | 0 | 12 |
| fluoranthene | 18.55 | 3.00 | 142.00 | 6160.0 | 0 | 12 |
| inden_123cd_pyrene | 8.41 | 0.50 | 46.00 | 2793.0 | 1 | 12 |
| phenanthrene | 15.70 | 3.00 | 99.00 | 5212.0 | 0 | 12 |
| pyrene | 12.73 | 3.00 | 86.00 | 4227.0 | 0 | 12 |

SE0012R Aspvreten Sweden (precipitation + dry deposition)

January 2001 - December 2001

| Component | W. mean | Min | Max | Dep | Num bel | Num sampl |
|---|---|---|---|---|---|---|
| (ng/m2day) | | | | | | |
| PCB_101 | 0.081 | 0.010 | 0.200 | 6.3 | 1 | 11 |
| PCB_118 | 0.061 | 0.010 | 0.220 | 4.8 | 1 | 11 |
| PCB_138 | 0.116 | 0.015 | 0.380 | 9.0 | 1 | 11 |
| PCB_153 | 0.122 | 0.015 | 0.340 | 9.5 | 1 | 11 |
| PCB_180 | 0.078 | 0.010 | 0.280 | 6.1 | 1 | 11 |
| PCB_28 | 0.049 | 0.005 | 0.130 | 3.8 | 5 | 11 |
| PCB_52 | 0.026 | 0.005 | 0.060 | 2.0 | 8 | 11 |
| anthracene | 3.05 | 0.00 | 26.00 | 238.0 | 0 | 11 |
| benz_a_anthracene | 2.88 | 0.00 | 19.00 | 225.0 | 0 | 11 |
| benzo_a_pyrene | 15.256 | 0.000 | 149.000 | 1190.0 | 3 | 11 |
| benzo_ghi_perylene | 20.19 | 0.00 | 198.00 | 1575.0 | 0 | 11 |
| fluoranthene | 44.63 | 2.00 | 410.00 | 3481.0 | 0 | 11 |
| inden_123cd_pyrene | 31.05 | 0.00 | 314.00 | 2422.0 | 0 | 11 |
| phenanthrene | 29.28 | 2.00 | 281.00 | 2284.0 | 0 | 11 |
| pyrene | 33.99 | 2.00 | 306.00 | 2651.0 | 0 | 11 |

# Annex 4

# Annual statistics for POPs in air

CZ0003R Kosetice Czech Republic

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB_101 | 38.390 | 16.336 | 35.633 | 1.478 | 9.000 | 33.000 | 117.000 | 13.7 | 0 | 50 |
| PCB_118 | 6.130 | 2.488 | 5.692 | 1.484 | 2.000 | 6.000 | 17.000 | 13.7 | 0 | 50 |
| PCB_138 | 13.105 | 5.753 | 12.028 | 1.539 | 2.000 | 12.000 | 34.000 | 13.7 | 0 | 50 |
| PCB_180 | 4.736 | 3.722 | 3.784 | 1.991 | 0.500 | 4.000 | 22.000 | 14.2 | 2 | 52 |
| PCB_28 | 26.070 | 9.376 | 24.418 | 1.481 | 4.000 | 25.000 | 67.000 | 13.7 | 0 | 50 |
| PCB_52 | 42.410 | 16.346 | 39.645 | 1.464 | 9.000 | 38.000 | 118.000 | 13.7 | 0 | 50 |
| acenaphtene | 0.20 | 0.23 | 0.12 | 2.77 | 0.02 | 0.09 | 1.19 | 14.2 | 0 | 52 |
| alpha_HCH | 17.21 | 11.46 | 12.57 | 2.69 | 0.50 | 14.00 | 60.00 | 14.2 | 2 | 52 |
| anthracene | 0.16 | 0.17 | 0.10 | 2.61 | 0.02 | 0.10 | 0.77 | 14.2 | 0 | 52 |
| benz_a_anthracene | 0.23 | 0.38 | 0.07 | 5.53 | 0.00 | 0.05 | 2.28 | 14.2 | 4 | 52 |
| benzo_a_pyrene | 0.220 | 0.359 | 0.092 | 4.221 | 0.001 | 0.072 | 2.329 | 14.2 | 1 | 52 |
| fluoranthene | 1.74 | 1.69 | 1.05 | 2.88 | 0.18 | 1.09 | 6.35 | 14.2 | 0 | 52 |
| fluorene | 2.46 | 2.44 | 1.53 | 2.71 | 0.30 | 1.40 | 11.20 | 14.2 | 0 | 52 |
| gamma_HCH | 20.28 | 12.46 | 16.84 | 1.91 | 2.00 | 17.00 | 53.00 | 13.7 | 0 | 50 |
| inden_123cd_pyrene | 0.28 | 0.46 | 0.10 | 5.61 | 0.00 | 0.08 | 2.87 | 14.2 | 3 | 52 |
| naphtalene | 1.02 | 1.34 | 0.56 | 2.96 | 0.11 | 0.51 | 7.70 | 14.2 | 0 | 52 |
| phenanthrene | 5.24 | 4.46 | 3.79 | 2.25 | 0.96 | 3.37 | 21.12 | 14.2 | 0 | 52 |
| pp_DDD | 2.45 | 2.61 | 1.75 | 2.21 | 0.50 | 2.00 | 16.00 | 13.7 | 7 | 50 |
| pp_DDE | 18.43 | 10.92 | 15.36 | 1.93 | 1.50 | 15.00 | 48.00 | 13.7 | 1 | 50 |
| pp_DDT | 5.68 | 4.67 | 4.70 | 1.78 | 2.00 | 5.00 | 32.00 | 13.7 | 0 | 50 |
| pyrene | 1.03 | 1.05 | 0.59 | 3.08 | 0.09 | 0.55 | 4.63 | 14.2 | 0 | 52 |

FI0096R Pallas Finland

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB_101 | 0.856 | 0.430 | 0.754 | 1.650 | 0.428 | 0.574 | 1.527 | 24.1 | 0 | 12 |
| PCB_118 | 0.253 | 0.122 | 0.226 | 1.612 | 0.131 | 0.200 | 0.435 | 24.1 | 0 | 12 |
| PCB_138 | 0.280 | 0.129 | 0.254 | 1.583 | 0.143 | 0.247 | 0.479 | 24.1 | 0 | 12 |
| PCB_153 | 0.314 | 0.156 | 0.280 | 1.638 | 0.159 | 0.226 | 0.557 | 24.1 | 0 | 12 |
| PCB_180 | 0.074 | 0.043 | 0.063 | 1.852 | 0.025 | 0.073 | 0.159 | 24.1 | 0 | 12 |
| PCB_28 | 1.756 | 1.012 | 1.503 | 1.742 | 0.748 | 1.312 | 3.964 | 24.1 | 0 | 12 |
| PCB_52 | 1.895 | 1.150 | 1.593 | 1.789 | 0.840 | 1.217 | 4.399 | 24.1 | 0 | 12 |
| anthracene | 0.00 | 0.00 | 0.00 | 2.01 | 0.00 | 0.00 | 0.01 | 24.1 | 0 | 12 |
| benz_a_anthracene | 0.03 | 0.04 | 0.01 | 4.69 | 0.00 | 0.00 | 0.14 | 24.1 | 0 | 12 |
| benzo_a_pyrene | 0.020 | 0.025 | 0.007 | 4.692 | 0.001 | 0.004 | 0.073 | 24.1 | 0 | 12 |
| benzo_ghi_perylene | 0.01 | 0.02 | 0.01 | 3.38 | 0.00 | 0.00 | 0.06 | 24.1 | 0 | 12 |
| chrysene_triphenylene | 0.04 | 0.04 | 0.02 | 3.19 | 0.00 | 0.02 | 0.14 | 24.1 | 0 | 12 |
| fluoranthene | 0.11 | 0.12 | 0.08 | 2.33 | 0.03 | 0.06 | 0.39 | 24.1 | 0 | 12 |
| inden_123cd_pyrene | 0.02 | 0.03 | 0.01 | 4.41 | 0.00 | 0.00 | 0.09 | 24.1 | 4 | 12 |
| phenanthrene | 0.27 | 0.17 | 0.24 | 1.68 | 0.11 | 0.21 | 0.64 | 24.1 | 0 | 12 |
| pyrene | 0.06 | 0.07 | 0.04 | 2.43 | 0.01 | 0.03 | 0.22 | 24.1 | 0 | 12 |

IS0091R Storhofdi Iceland

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| HCB | 6.71 | 3.12 | 6.29 | 1.50 | 2.96 | 5.57 | 16.44 | 100.0 | 0 | 25 |
| PCB_101 | 0.766 | 0.753 | 0.432 | 3.328 | 0.050 | 0.445 | 2.650 | 100.0 | 11 | 25 |
| PCB_105 | 0.23 | 0.14 | 0.19 | 1.75 | 0.04 | 0.20 | 0.73 | 100.0 | 22 | 25 |
| PCB_118 | 0.358 | 0.220 | 0.303 | 1.699 | 0.085 | 0.308 | 1.220 | 100.0 | 21 | 25 |
| PCB_138 | 0.276 | 0.328 | 0.202 | 1.887 | 0.085 | 0.163 | 1.740 | 100.0 | 21 | 25 |
| PCB_153 | 0.360 | 0.302 | 0.278 | 1.959 | 0.085 | 0.308 | 1.620 | 100.0 | 21 | 25 |
| PCB_156 | 0.16 | 0.05 | 0.15 | 1.38 | 0.09 | 0.15 | 0.28 | 100.0 | 25 | 25 |
| PCB_180 | 0.182 | 0.108 | 0.160 | 1.536 | 0.085 | 0.155 | 0.630 | 100.0 | 24 | 25 |
| PCB_28 | 3.701 | 2.361 | 3.033 | 1.807 | 0.765 | 3.240 | 12.530 | 100.0 | 21 | 25 |
| PCB_31 | 3.273 | 2.004 | 2.717 | 1.771 | 0.680 | 2.882 | 10.790 | 100.0 | 21 | 25 |
| PCB_52 | 1.497 | 1.355 | 1.146 | 1.879 | 0.340 | 0.950 | 6.790 | 100.0 | 19 | 25 |
| alpha_HCH | 10.07 | 3.73 | 9.36 | 1.44 | 4.76 | 8.90 | 20.37 | 100.0 | 0 | 25 |
| beta_HCH | 0.07 | 0.02 | 0.06 | 1.28 | 0.04 | 0.06 | 0.10 | 100.0 | 25 | 25 |
| cis_CD | 0.99 | 0.25 | 0.95 | 1.28 | 0.62 | 0.91 | 1.58 | 100.0 | 0 | 25 |
| dieldrin | 1.24 | 0.51 | 1.08 | 1.72 | 0.21 | 1.18 | 2.11 | 100.0 | 0 | 25 |
| gamma_HCH | 6.47 | 4.21 | 5.40 | 1.69 | 2.39 | 4.46 | 18.62 | 100.0 | 0 | 25 |
| op_DDT | 0.14 | 0.21 | 0.10 | 2.01 | 0.04 | 0.09 | 1.13 | 100.0 | 24 | 25 |
| pp_DDD | 0.13 | 0.03 | 0.12 | 1.29 | 0.09 | 0.12 | 0.20 | 100.0 | 25 | 25 |
| pp_DDE | 0.21 | 0.19 | 0.16 | 2.23 | 0.05 | 0.17 | 0.95 | 100.0 | 11 | 25 |
| pp_DDT | 0.28 | 0.43 | 0.14 | 2.79 | 0.04 | 0.10 | 1.70 | 100.0 | 12 | 25 |
| trans_CD | 0.42 | 0.11 | 0.41 | 1.30 | 0.22 | 0.41 | 0.59 | 100.0 | 0 | 25 |
| trans_NO | 0.53 | 0.16 | 0.51 | 1.34 | 0.31 | 0.47 | 0.87 | 100.0 | 0 | 25 |

LT0015R Preila Lithuania

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| benzo_a_pyrene | 0.530 | 0.400 | 0.392 | 2.318 | 0.120 | 0.380 | 1.350 | 100.0 | 0 | 12 |

NO0042G Zeppelin, Spitsbergen Norway

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| HCB | 54.94 | 9.29 | 53.92 | 1.17 | 36.21 | 52.64 | 86.62 | 28.1 | 0 | 52 |
| N1methylphenanthrene | 0.01 | 0.01 | 0.01 | 1.97 | 0.00 | 0.00 | 0.02 | 28.2 | 0 | 52 |
| N2methylanthracene | 0.00 | 0.00 | 0.00 | 1.34 | 0.00 | 0.00 | 0.00 | 28.2 | 34 | 52 |
| N2methylphenanthrene | 0.01 | 0.02 | 0.01 | 2.17 | 0.00 | 0.01 | 0.08 | 28.2 | 0 | 52 |
| PCB_101 | 0.559 | 0.251 | 0.504 | 1.599 | 0.130 | 0.560 | 1.620 | 28.1 | 0 | 52 |
| PCB_105 | 0.07 | 0.09 | 0.06 | 1.87 | 0.02 | 0.05 | 0.66 | 28.1 | 1 | 52 |
| PCB_114 | 0.01 | 0.01 | 0.01 | 1.46 | 0.01 | 0.01 | 0.06 | 28.1 | 24 | 52 |
| PCB_118 | 0.254 | 0.328 | 0.195 | 1.908 | 0.040 | 0.210 | 2.470 | 28.1 | 0 | 52 |
| PCB_122 | 0.01 | 0.02 | 0.01 | 1.64 | 0.01 | 0.01 | 0.12 | 28.1 | 39 | 52 |
| PCB_123 | 0.01 | 0.01 | 0.01 | 1.47 | 0.01 | 0.01 | 0.04 | 28.1 | 30 | 52 |
| PCB_128 | 0.05 | 0.09 | 0.04 | 2.00 | 0.01 | 0.03 | 0.66 | 28.1 | 3 | 52 |
| PCB_138 | 0.277 | 0.545 | 0.182 | 2.103 | 0.030 | 0.160 | 4.050 | 28.1 | 0 | 52 |
| PCB_141 | 0.04 | 0.02 | 0.03 | 1.67 | 0.01 | 0.03 | 0.09 | 28.1 | 2 | 52 |
| PCB_149 | 0.240 | 0.115 | 0.216 | 1.600 | 0.060 | 0.220 | 0.670 | 28.1 | 0 | 52 |
| PCB_153 | 0.420 | 0.845 | 0.273 | 2.124 | 0.060 | 0.280 | 6.260 | 28.1 | 0 | 52 |
| PCB_156 | 0.03 | 0.05 | 0.02 | 2.03 | 0.01 | 0.02 | 0.37 | 28.1 | 9 | 52 |
| PCB_157 | 0.01 | 0.01 | 0.01 | 1.52 | 0.01 | 0.01 | 0.04 | 28.1 | 44 | 52 |
| PCB_167 | 0.02 | 0.03 | 0.01 | 1.69 | 0.01 | 0.01 | 0.19 | 28.1 | 21 | 52 |
| PCB_170 | 0.04 | 0.08 | 0.03 | 2.21 | 0.01 | 0.02 | 0.56 | 28.1 | 5 | 52 |
| PCB_18 | 6.302 | 4.666 | 5.165 | 1.833 | 1.720 | 5.030 | 28.350 | 28.1 | 0 | 52 |
| PCB_180 | 0.100 | 0.236 | 0.059 | 2.112 | 0.020 | 0.050 | 1.730 | 28.1 | 1 | 52 |
| PCB_183 | 0.03 | 0.05 | 0.02 | 1.87 | 0.01 | 0.02 | 0.38 | 28.1 | 3 | 52 |
| PCB_187 | 0.07 | 0.12 | 0.05 | 1.95 | 0.01 | 0.05 | 0.90 | 28.1 | 0 | 52 |
| PCB_189 | 0.02 | 0.01 | 0.01 | 1.84 | 0.01 | 0.01 | 0.07 | 28.1 | 49 | 52 |
| PCB_194 | 0.03 | 0.03 | 0.02 | 2.23 | 0.01 | 0.01 | 0.14 | 28.1 | 37 | 52 |
| PCB_206 | 0.20 | 1.25 | 0.02 | 3.46 | 0.01 | 0.01 | 9.00 | 28.1 | 44 | 52 |
| PCB_209 | 0.02 | 0.01 | 0.01 | 1.87 | 0.01 | 0.01 | 0.06 | 28.1 | 40 | 52 |
| PCB_28 | 3.558 | 2.591 | 2.957 | 1.766 | 1.060 | 2.670 | 15.720 | 28.1 | 0 | 52 |
| PCB_31 | 3.291 | 2.462 | 2.718 | 1.783 | 0.950 | 2.450 | 15.200 | 28.1 | 0 | 52 |
| PCB_33 | 2.84 | 2.14 | 2.32 | 1.82 | 0.73 | 2.18 | 12.65 | 28.1 | 0 | 52 |
| PCB_37 | 0.35 | 0.30 | 0.27 | 2.07 | 0.01 | 0.26 | 1.72 | 28.1 | 0 | 52 |
| PCB_47 | 0.86 | 0.44 | 0.77 | 1.55 | 0.23 | 0.75 | 2.67 | 28.1 | 0 | 52 |
| PCB_52 | 1.382 | 0.612 | 1.272 | 1.465 | 0.460 | 1.210 | 3.970 | 28.1 | 0 | 52 |
| PCB_60 | 0.09 | 0.06 | 0.07 | 1.83 | 0.02 | 0.07 | 0.37 | 28.1 | 0 | 52 |
| PCB_66 | 0.53 | 0.29 | 0.47 | 1.60 | 0.13 | 0.43 | 1.50 | 28.1 | 0 | 52 |
| PCB_74 | 0.26 | 0.13 | 0.23 | 1.55 | 0.07 | 0.22 | 0.75 | 28.1 | 0 | 52 |
| PCB_99 | 0.24 | 0.17 | 0.20 | 1.85 | 0.05 | 0.21 | 1.15 | 28.1 | 0 | 52 |
| acenaphtene | 0.01 | 0.04 | 0.01 | 2.98 | 0.00 | 0.00 | 0.25 | 28.2 | 0 | 52 |
| acenaphtylene | 0.01 | 0.01 | 0.00 | 2.31 | 0.00 | 0.00 | 0.04 | 28.2 | 0 | 52 |
| alpha_HCH | 21.48 | 7.40 | 20.22 | 1.39 | 11.42 | 20.19 | 49.65 | 28.1 | 0 | 52 |
| anthanthrene | 0.00 | 0.00 | 0.00 | 1.43 | 0.00 | 0.00 | 0.00 | 28.2 | 43 | 52 |
| anthracene | 0.00 | 0.01 | 0.00 | 2.49 | 0.00 | 0.00 | 0.04 | 28.2 | 4 | 52 |
| benz_a_anthracene | 0.00 | 0.01 | 0.00 | 2.62 | 0.00 | 0.00 | 0.04 | 28.2 | 18 | 52 |
| benzo_a_pyrene | 0.003 | 0.006 | 0.002 | 2.402 | 0.001 | 0.001 | 0.032 | 28.2 | 26 | 52 |
| benzo_e_pyrene | 0.01 | 0.01 | 0.00 | 3.27 | 0.00 | 0.00 | 0.06 | 28.2 | 16 | 52 |
| benzo_ghi_perylene | 0.01 | 0.01 | 0.00 | 3.04 | 0.00 | 0.00 | 0.04 | 28.2 | 18 | 52 |
| biphenyl | 538.54 | 878.02 | 1.66 | 139.98 | 0.01 | 0.14 | 3819.00 | 28.2 | 0 | 52 |
| chrysene_triphenylene | 0.01 | 0.02 | 0.00 | 3.92 | 0.00 | 0.00 | 0.11 | 28.2 | 3 | 52 |
| cis_CD | 0.84 | 0.29 | 0.79 | 1.38 | 0.36 | 0.78 | 2.00 | 28.1 | 0 | 52 |
| cis_NO | 0.08 | 0.06 | 0.06 | 2.21 | 0.01 | 0.07 | 0.36 | 28.1 | 2 | 52 |
| coronene | 0.00 | 0.01 | 0.00 | 2.40 | 0.00 | 0.00 | 0.03 | 28.2 | 20 | 52 |
| dibenzo_ac_ah_anthracenes | 0.00 | 0.00 | 0.00 | 1.60 | 0.00 | 0.00 | 0.01 | 28.2 | 30 | 52 |
| dibenzofuran | 650.60 | 976.19 | 3.43 | 111.43 | 0.03 | 0.32 | 3157.00 | 28.2 | 0 | 52 |
| dibenzothiophene | 0.01 | 0.01 | 0.01 | 2.89 | 0.00 | 0.01 | 0.07 | 28.2 | 0 | 52 |
| fluoranthene | 0.04 | 0.06 | 0.02 | 3.28 | 0.00 | 0.01 | 0.27 | 28.2 | 0 | 52 |
| fluorene | 68.50 | 275.94 | 0.16 | 14.02 | 0.01 | 0.07 | 1197.00 | 28.2 | 0 | 52 |
| gamma_HCH | 5.65 | 2.54 | 5.18 | 1.49 | 2.27 | 5.08 | 16.64 | 28.1 | 0 | 52 |
| inden_123cd_pyrene | 0.01 | 0.01 | 0.00 | 3.12 | 0.00 | 0.00 | 0.05 | 28.2 | 22 | 52 |
| naphtalene | 759.20 | 1446.98 | 2.29 | 90.65 | 0.04 | 0.19 | 5897.00 | 28.2 | 0 | 52 |
| op_DDD | 0.03 | 0.04 | 0.02 | 2.63 | 0.01 | 0.01 | 0.14 | 28.1 | 33 | 52 |
| op_DDE | 0.12 | 0.10 | 0.06 | 4.03 | 0.01 | 0.10 | 0.34 | 28.1 | 18 | 52 |
| op_DDT | 0.27 | 0.24 | 0.19 | 2.51 | 0.01 | 0.20 | 1.60 | 28.1 | 3 | 52 |
| perylene | 0.00 | 0.00 | 0.00 | 1.49 | 0.00 | 0.00 | 0.01 | 28.2 | 37 | 52 |
| phenanthrene | 20.13 | 143.10 | 0.08 | 4.93 | 0.02 | 0.05 | 1032.00 | 28.2 | 0 | 52 |
| pp_DDD | 0.04 | 0.05 | 0.02 | 2.87 | 0.01 | 0.01 | 0.20 | 28.1 | 30 | 52 |
| pp_DDE | 0.86 | 1.02 | 0.49 | 3.03 | 0.10 | 0.50 | 5.60 | 28.1 | 0 | 52 |
| pp_DDT | 0.14 | 0.12 | 0.11 | 2.10 | 0.01 | 0.10 | 0.90 | 28.1 | 3 | 52 |
| pyrene | 0.02 | 0.04 | 0.01 | 2.99 | 0.00 | 0.01 | 0.17 | 28.2 | 0 | 52 |
| trans_CD | 0.34 | 0.19 | 0.29 | 1.77 | 0.08 | 0.28 | 0.93 | 28.1 | 0 | 52 |
| trans_NO | 0.71 | 0.28 | 0.66 | 1.47 | 0.26 | 0.61 | 1.59 | 28.1 | 0 | 52 |

NO0099R Lista Norway

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| HCB | 50.94 | 10.89 | 49.96 | 1.21 | 29.30 | 48.10 | 91.40 | 13.5 | 0 | 49 |
| alpha_HCH | 17.02 | 7.37 | 15.64 | 1.50 | 8.55 | 13.60 | 43.40 | 13.5 | 0 | 49 |
| gamma_HCH | 15.70 | 12.15 | 11.70 | 2.16 | 2.88 | 10.95 | 47.60 | 13.5 | 0 | 49 |

SE0002R Rorvik Sweden

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB_101 | 1.788 | 0.932 | 1.583 | 1.630 | 0.661 | 1.589 | 5.104 | 92.3 | 0 | 48 |
| PCB_118 | 0.597 | 0.376 | 0.512 | 1.696 | 0.203 | 0.481 | 1.865 | 92.3 | 0 | 48 |
| PCB_138 | 1.201 | 0.550 | 1.089 | 1.556 | 0.356 | 1.079 | 2.999 | 92.3 | 0 | 48 |
| PCB_153 | 1.341 | 0.606 | 1.217 | 1.552 | 0.452 | 1.234 | 3.396 | 92.3 | 0 | 48 |
| PCB_180 | 0.472 | 0.198 | 0.428 | 1.581 | 0.093 | 0.481 | 1.154 | 92.3 | 0 | 48 |
| PCB_28 | 1.385 | 0.792 | 1.208 | 1.668 | 0.533 | 1.150 | 3.610 | 92.3 | 0 | 48 |
| PCB_52 | 2.071 | 0.951 | 1.876 | 1.554 | 0.929 | 1.853 | 4.787 | 92.3 | 0 | 48 |
| anthracene | 0.03 | 0.04 | 0.01 | 3.93 | 0.00 | 0.02 | 0.25 | 92.3 | 0 | 48 |
| benz_a_anthracene | 0.07 | 0.09 | 0.04 | 2.63 | 0.01 | 0.04 | 0.38 | 92.3 | 0 | 48 |
| benzo_a_pyrene | 0.065 | 0.087 | 0.031 | 3.623 | 0.003 | 0.026 | 0.400 | 92.3 | 0 | 48 |
| benzo_ghi_perylene | 0.07 | 0.10 | 0.03 | 3.96 | 0.00 | 0.03 | 0.43 | 92.3 | 0 | 48 |
| chrysene_triphenylene | 0.13 | 0.15 | 0.08 | 3.01 | 0.01 | 0.08 | 0.61 | 92.3 | 0 | 48 |
| fluoranthene | 0.47 | 0.50 | 0.28 | 2.86 | 0.05 | 0.24 | 1.99 | 92.3 | 0 | 48 |
| inden_123cd_pyrene | 0.08 | 0.12 | 0.03 | 4.24 | 0.00 | 0.03 | 0.52 | 92.3 | 4 | 48 |
| phenanthrene | 1.11 | 1.04 | 0.78 | 2.36 | 0.17 | 0.74 | 5.09 | 92.3 | 0 | 48 |
| pyrene | 0.30 | 0.33 | 0.17 | 3.14 | 0.03 | 0.13 | 1.26 | 92.3 | 0 | 48 |

SE0012R Aspvreten Sweden

January 2001 - December 2001

| Component | Arit mean | Arit sd | Geom mean | Geom sd | Min | 50% | Max | % anal | Num bel | Num sampl |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB_101 | 1.146 | 0.553 | 1.042 | 1.587 | 0.520 | 0.970 | 2.450 | 23.3 | 0 | 12 |
| PCB_118 | 0.412 | 0.215 | 0.372 | 1.602 | 0.180 | 0.340 | 0.970 | 23.3 | 0 | 12 |
| PCB_138 | 0.570 | 0.257 | 0.525 | 1.532 | 0.260 | 0.490 | 1.180 | 23.3 | 0 | 12 |
| PCB_153 | 0.731 | 0.335 | 0.671 | 1.557 | 0.320 | 0.620 | 1.500 | 23.3 | 0 | 12 |
| PCB_180 | 0.214 | 0.064 | 0.206 | 1.340 | 0.130 | 0.190 | 0.330 | 23.3 | 0 | 12 |
| PCB_28 | 2.091 | 1.085 | 1.888 | 1.588 | 0.920 | 1.870 | 4.920 | 23.3 | 0 | 12 |
| PCB_52 | 1.682 | 0.817 | 1.537 | 1.556 | 0.820 | 1.380 | 3.620 | 23.3 | 0 | 12 |
| anthracene | 0.01 | 0.03 | 0.01 | 3.95 | 0.00 | 0.00 | 0.09 | 23.3 | 0 | 12 |
| benz_a_anthracene | 0.02 | 0.06 | 0.01 | 3.93 | 0.00 | 0.01 | 0.20 | 23.3 | 0 | 12 |
| benzo_a_pyrene | 0.039 | 0.070 | 0.019 | 3.448 | 0.000 | 0.010 | 0.255 | 23.3 | 1 | 12 |
| benzo_ghi_perylene | 0.04 | 0.04 | 0.02 | 3.88 | 0.00 | 0.01 | 0.11 | 23.3 | 0 | 12 |
| fluoranthene | 0.42 | 0.43 | 0.30 | 2.25 | 0.10 | 0.23 | 1.45 | 23.3 | 0 | 12 |
| inden_123cd_pyrene | 0.05 | 0.05 | 0.02 | 3.90 | 0.01 | 0.01 | 0.16 | 23.3 | 0 | 12 |
| phenanthrene | 0.55 | 0.31 | 0.48 | 1.61 | 0.30 | 0.36 | 1.36 | 23.3 | 0 | 12 |
| pyrene | 0.21 | 0.28 | 0.11 | 3.11 | 0.02 | 0.10 | 1.00 | 23.3 | 0 | 12 |

# Annex 5

# Monthly and annual mean values for heavy metals in precipitation

| | | | | jan | feb | mar | apr | may | june | jul | aug | sept | oct | nov | des | year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IE0001R | aluminium | | precip | 25 | 50 | 50 | 50 | 25 | 25 | 25 | 14.8 | 27.8 | 25 | 25 | 18.8 | 31.112 |
| IE0002R | aluminium | | precip | 25 | 25 | 112 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 40.4 | 20.1 | 25 | 25 | 18.7 | 38.607 |
| IS0002R | aluminium | | precip | 80.71 | 20.107 | 18 | 97.681 | 78.003 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 63.294 |
| IS0090R | aluminium | | precip | 152.459 | 878.636 | 1315.236 | 646.036 | 209.78 | 187.188 | 86.479 | 54.316 | 43.241 | 101.384 | 105.659 | 161.534 | 220.097 |
| SK0002R | aluminium | | precip | 35 | 43 | 26 | 18 | 37 | 15 | 16 | 15 | 9 | 23 | 40 | 32 | 22.144 |
| SK0004R | aluminium | | precip | 43 | 56 | -9999.99 | 15 | 103 | 148 | 178 | 29 | 63 | 26 | 59 | 20 | 100.704 |
| SK0005R | aluminium | | precip | 23 | 41 | 28 | 17 | 12 | 15 | 18 | 29 | 11 | 13 | 24 | 36 | 19.654 |
| SK0006R | aluminium | | precip | 11 | 68 | 22 | 39 | 33 | 11 | 8 | 25 | 20 | 41 | 30 | 40 | 21.818 |
| SK0007R | aluminium | | precip | 20 | 34 | 22 | 49 | 48 | 31 | 7 | 18 | 10 | 22 | 14 | 51 | 19.992 |
| BE0004R | arsenic | wet only | precip | 0.243 | 0.243 | 0.243 | 0.242 | 0.243 | 0.243 | 0.243 | 0.243 | 0.243 | 0.243 | 0.245 | 0.244 | 0.243 |
| BE0004R | arsenic | bulk | precip | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | -9999.99 | 0.24 | 0.24 | -9999.99 | -9999.99 | 0.24 | 0.24 |
| DE0001R | arsenic | | precip | 0.106 | 0.109 | 0.13 | 0.149 | 0.138 | 0.102 | 0.121 | 0.087 | 0.074 | 0.158 | 0.156 | 0.131 | 0.116 |
| DE0002R | arsenic | | precip | 0.102 | 0.312 | 0.491 | 0.217 | 0.23 | 0.126 | 0.137 | 0.134 | 0.085 | 0.159 | 0.156 | 0.127 | 0.156 |
| DE0004R | arsenic | | precip | 0.053 | 0.079 | 0.064 | 0.098 | 0.119 | 0.106 | 0.115 | 0.085 | 0.075 | 0.063 | 0.074 | 0.057 | 0.082 |
| DE0009R | arsenic | | precip | 0.23 | 0.169 | 0.093 | 0.243 | 0.104 | 0.111 | 0.09 | 0.063 | 0.117 | 0.139 | 0.138 | 0.1 | 0.123 |
| DK0008R | arsenic | | precip | 0.466 | 0.216 | 0.269 | 0.347 | 0.338 | 0.185 | 0.164 | 0.325 | 0.396 | 0.387 | 0.196 | 0.547 | 0.312 |
| DK0020R | arsenic | | precip | 0.592 | 0.283 | 0.19 | 0.458 | 0.184 | 0.184 | 0.082 | 0.107 | 0.101 | 0.171 | 0.296 | -9999.99 | 0.2 |
| DK0031R | arsenic | | precip | 0.118 | 0.103 | 0.184 | 0.133 | 0.186 | 0.054 | 0.118 | 0.163 | 0.092 | 0.152 | 0.066 | 0.162 | 0.121 |
| 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 | 0.233 |
| EE0011R | arsenic | | precip | 0.3 | 0.1 | 0.1 | 0.2 | 0.8 | 0.1 | -9999.99 | 0.1 | 0.1 | -9999.99 | 0.5 | 0.1 | 0.158 |
| FI0008R | arsenic | | precip | 0.093 | 0.133 | 0.137 | 0.243 | 0.158 | 0.119 | 0.073 | 0.1 | 0.092 | 0.105 | 0.047 | 0.049 | 0.096 |
| FI0009R | arsenic | | precip | 0.732 | 1.564 | 1.13 | 0.29 | 0.139 | 0.042 | 0.092 | 0.095 | 0.124 | 0.64 | 0.61 | 3.508 | 0.225 |
| FI0017R | arsenic | | precip | 0.42 | 0.328 | 0.526 | 0.115 | 0.087 | 0.007 | 0.082 | 0.057 | 0.142 | 0.172 | 0.563 | 0.338 | 0.161 |
| FI0022R | arsenic | | precip | 0.097 | 0.201 | 0.33 | 0.417 | 0.018 | 0.077 | 0.074 | 0.164 | 0.129 | 0.079 | 0.087 | 0.11 | 0.12 |
| FI0036R | arsenic | | precip | 0.072 | 0.151 | 0.165 | 0.205 | 0.006 | 0.093 | 0.037 | 0.028 | 0.077 | 0.066 | 0.088 | 0.124 | 0.071 |
| FI0053R | arsenic | | precip | 0.09 | 0.121 | 0.486 | 0.354 | 0.015 | 0.048 | 0.064 | 0.033 | 0.069 | 0.105 | 0.24 | 0.21 | 0.111 |
| FI0092R | arsenic | | precip | 0.101 | 0.099 | 0.118 | 0.558 | 0.069 | 0.084 | 0.061 | 0.026 | 0.125 | 0.076 | 0.079 | 0.096 | 0.095 |
| FI0093R | arsenic | | precip | 0.142 | 0.13 | 0.082 | 0.455 | 0.075 | -0.006 | 0.095 | 0.082 | 0.08 | 0.089 | 0.126 | 0.104 | 0.091 |
| FR0090R | arsenic | | precip | 0.05 | 0.12 | 0.07 | 0.2 | 0.1 | 0.05 | 0.25 | 0.15 | 0.1 | 0.05 | 0.15 | 0.07 | 0.096 |
| GB0014R | arsenic | ug/m2 | wetdep | 79.806 | 22 | 22 | 14.9 | 5.258 | 7 | 7 | 11 | 29 | 21.258 | 33 | 16.2 | 22.404 |
| GB0090R | arsenic | ug/m2 | wetdep | 10 | 6.929 | 16 | 11 | 8.097 | 16.4 | 19.71 | 17.387 | 33.667 | 14.839 | 50 | 12.258 | 18.008 |
| GB0091R | arsenic | ug/m2 | wetdep | 9.806 | 8 | 14.548 | 8.333 | 4 | 5.133 | 8.871 | 5.032 | 7.4 | 25.581 | 5.267 | 13 | 9.627 |
| 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 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| IS0002R | arsenic | | precip | 0.173 | 0.172 | 0.09 | 0.055 | 0.042 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 0.11 |
| IS0090R | arsenic | | precip | 0.064 | 0.209 | 0.387 | 0.115 | 0.128 | 0.106 | 0.048 | 0.05 | 0.052 | 0.353 | 0.735 | 0.314 | 0.173 |
| NL0009R | arsenic | | precip | 0.112 | 0.165 | 0.129 | 0.105 | -9999.99 | -9999.99 | -9999.99 | 0.307 | 0.307 | 0.18 | 0.213 | 0.285 | 0.242 |
| NL0091R | arsenic | | precip | 0.075 | 0.075 | 0.075 | 0.075 | 0.075 | 0.075 | 0.155 | 0.075 | 0.078 | 0.123 | 0.075 | 0.075 | 0.082 |
| NO0047R | arsenic | | precip | 1.694 | 4.694 | 0.987 | 2.79 | 8.162 | 5.426 | 2.31 | 0.628 | 1.611 | 1.718 | 0.583 | 0.708 | 2.313 |
| NO0099R | arsenic | | precip | 0.243 | 0.24 | 0.297 | 0.157 | 0.185 | 0.133 | 0.182 | 0.094 | 0.128 | 0.176 | 0.305 | 0.121 | 0.176 |
| SE0005R | arsenic | | precip | 0.026 | 0.033 | 0.17 | 0.277 | 0.073 | 0.19 | 0.028 | 0.025 | 0.025 | 0.025 | 0.025 | 0.088 | 0.07 |
| SE0051R | arsenic | | precip | 0.63 | 0.18 | 0.22 | 0.2 | 0.11 | 0.11 | 0.16 | 0.025 | 0.025 | 0.36 | 0.23 | 0.31 | 0.189 |
| SE0097R | arsenic | | precip | 0.18 | 0.093 | 0.164 | 0.036 | 0.224 | 0.09 | 0.042 | 0.118 | 0.049 | 0.222 | 0.317 | 0.31 | 0.14 |

| | | | | jan | feb | mar | apr | may | june | jul | aug | sept | oct | nov | des | year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BE0004R | cadmium | wet only | precip | 0.438 | 0.621 | 0.521 | 0.487 | 0.65 | 0.378 | 0.32 | 0.242 | 0.27 | 1.068 | 1.454 | 0.706 | 0.567 |
| BE0004R | cadmium | bulk | precip | 0.03 | 0.256 | 0.222 | 0.115 | 0.256 | 1.441 | -9999.99 | 0.11 | 0.08 | -9999.99 | -9999.99 | 0.05 | 0.221 |
| CZ0001R | cadmium | | precip | 0.512 | 0.456 | 0.092 | 0.062 | 0.06 | 0.111 | 0.116 | 0.061 | 0.165 | 0.173 | 0.024 | 0.221 | 0.15 |
| CZ0003R | cadmium | | precip | 0.44 | 0.773 | 0.085 | 0.137 | 0.157 | 0.101 | 0.085 | 0.163 | 0.09 | 0.089 | 0.097 | 0.097 | 0.148 |
| DE0001R | cadmium | | precip | 0.05 | 0.059 | 0.06 | 0.059 | 0.028 | 0.023 | 0.024 | 0.021 | 0.013 | 0.035 | 0.025 | 0.014 | 0.027 |
| DE0002R | cadmium | | precip | 0.042 | 0.095 | 0.11 | 0.141 | 0.112 | 0.096 | 0.072 | 0.115 | 0.126 | 0.659 | 0.159 | 0.075 | 0.126 |
| DE0004R | cadmium | | precip | 0.058 | 0.098 | 0.056 | 0.113 | 0.112 | 0.084 | 0.051 | 0.049 | 0.057 | 0.038 | 0.04 | 0.068 | 0.065 |
| DE0009R | cadmium | | precip | 0.067 | 0.076 | 0.051 | 0.037 | 0.03 | 0.035 | 0.024 | 0.021 | 0.032 | 0.055 | 0.045 | 0.026 | 0.035 |
| DK0008R | cadmium | | precip | 0.127 | 0.031 | 0.091 | 0.067 | 0.065 | 0.026 | 0.023 | 0.031 | 0.045 | 0.048 | 0.025 | 0.115 | 0.056 |
| DK0020R | cadmium | | precip | 0.116 | 0.051 | 0.045 | 0.063 | 0.096 | 0.059 | 0.043 | 0.12 | 0.091 | 0.132 | 0.118 | -9999.99 | 0.09 |
| DK0031R | cadmium | | precip | 0.032 | 0.036 | 0.034 | 0.04 | 0.048 | 0.021 | 0.025 | 0.023 | 0.024 | 0.033 | 0.013 | 0.033 | 0.029 |
| 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 | 0.103 |
| EE0011R | cadmium | | precip | 0.03 | 0.03 | 0.04 | 0.2 | 0.1 | 0.09 | -9999.99 | 0.05 | 0.03 | -9999.99 | 0.01 | 0.01 | 0.047 |
| FI0008R | cadmium | | precip | 0.021 | 0.012 | 0.022 | 0.062 | 0.015 | 0.04 | 0.011 | 0.007 | 0.025 | 0.007 | 0.017 | 0.009 | 0.016 |
| FI0009R | cadmium | | precip | 0.243 | 0.321 | 0.397 | 0.104 | 0.098 | 0.031 | 0.021 | 0.053 | 0.03 | 0.094 | 0.081 | 1.143 | 0.067 |
| FI0017R | cadmium | | precip | 0.295 | 0.07 | 0.092 | 0.157 | 0.065 | 0.015 | 0.033 | 0.016 | 0.052 | 0.069 | 0.096 | 0.064 | 0.073 |
| FI0022R | cadmium | | precip | 0.025 | 0.027 | 0.039 | 0.079 | 0.007 | 0.03 | 0.009 | 0.016 | 0.042 | 0.013 | 0.019 | 0.031 | 0.024 |
| FI0036R | cadmium | | precip | 0.019 | 0.02 | 0.034 | 0.057 | 0.005 | 0.027 | 0.008 | 0.005 | 0.062 | 0.011 | 0.016 | 0.032 | 0.019 |
| FI0053R | cadmium | | precip | 0.03 | 0.025 | 0.126 | 0.124 | 0.014 | 0.024 | 0.019 | 0.008 | 0.036 | 0.031 | 0.049 | 0.077 | 0.039 |
| FI0092R | cadmium | | precip | 0.056 | 0.026 | 0.057 | 0.254 | 0.043 | 0.031 | 0.027 | 0.013 | 0.048 | 0.025 | 0.026 | 0.024 | 0.038 |
| FI0093R | cadmium | | precip | 0.059 | 0.041 | 0.021 | 0.137 | 0.038 | 0.012 | 0.048 | 0.024 | 0.036 | 0.025 | 0.047 | 0.027 | 0.036 |
| FR0090R | cadmium | | precip | 0.05 | 0.05 | 0.04 | 0.04 | 0.06 | 0.02 | 0.03 | 0.03 | 0.01 | 0.01 | 0.01 | 0.01 | 0.033 |
| GB0014R | cadmium | ug/m2 | wetdep | 4.097 | 5.214 | 7 | 4.033 | 1.871 | 1 | 1 | 3 | 7 | 3.097 | 4 | 1.2 | 3.53 |
| GB0090R | cadmium | ug/m2 | wetdep | 3 | 1.357 | 3 | 2 | 2.968 | 3 | 3 | 3 | 2.167 | 3.774 | 41 | 2.29 | 5.849 |
| GB0091R | cadmium | ug/m2 | wetdep | 9.742 | 82 | 11.839 | 2.833 | 1 | 2.967 | 2.484 | 16.484 | 1.467 | 7.484 | 0.567 | 17 | 12.542 |
| 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 | 0.16 | 0.05 | 0.11 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.073 |
| IS0002R | cadmium | | precip | 0.01 | 0.005 | 0.023 | 0.005 | 0.008 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 0.008 |
| IS0090R | cadmium | | precip | 0.009 | 0.008 | 0.036 | 0.039 | 0.017 | 0.028 | 0.042 | 0.015 | 0.019 | 0.027 | 0.021 | 0.02 | 0.022 |
| LT0015R | cadmium | | precip | 0.146 | 0.117 | 0.131 | 0.31 | 0.211 | 0.095 | 0.105 | 0.045 | 0.102 | 0.066 | 0.093 | 0.038 | 0.106 |
| LV0010R | cadmium | | precip | 0.05 | 0.01 | 0.12 | 0.42 | 0.12 | 0.03 | 0.11 | 0.1 | 0.07 | 0.09 | 0.11 | 0.08 | 0.09 |
| LV0016R | cadmium | | precip | 0.01 | 0.01 | 0.11 | 0.2 | 0.02 | 0.03 | 0.05 | 0.12 | 0.09 | 0.03 | 0.05 | 0.08 | 0.076 |
| NL0009R | cadmium | | precip | 0.088 | 0.114 | 0.12 | 0.124 | -9999.99 | -9999.99 | -9999.99 | 0.03 | 0.03 | 0.073 | 0.078 | 0.09 | 0.066 |
| NL0091R | cadmium | | precip | 0.033 | 0.062 | 0.074 | 0.073 | 0.076 | 0.066 | 0.084 | 0.021 | 0.051 | 0.095 | 0.086 | 0.076 | 0.058 |
| NO0001R | cadmium | | precip | 0.039 | 0.006 | 0.06 | 0.021 | 0.016 | 0.013 | 0.04 | 0.023 | 0.051 | 0.031 | 0.034 | 0.031 | 0.032 |
| NO0039R | cadmium | | precip | 0.034 | 0.012 | 0.015 | 0.022 | 0.006 | 0.008 | 0.006 | 0.004 | 0.007 | 0.011 | 0.004 | 0.012 | 0.01 |
| NO0041R | cadmium | | precip | 0.015 | 0.008 | 0.027 | 0.025 | 0.019 | 0.019 | 0.022 | 0.012 | 0.023 | 0.015 | 0.021 | 0.021 | 0.019 |
| NO0047R | cadmium | | precip | 0.123 | 0.222 | 0.069 | 0.578 | 0.395 | 0.26 | 0.148 | 0.041 | 0.064 | 0.074 | 0.011 | 0.276 | 0.164 |
| NO0055R | cadmium | | precip | 0.062 | 0.026 | 0.011 | 0.072 | 0.061 | 0.027 | 0.025 | 0.021 | 0.041 | 0.015 | 0.018 | 0.029 | 0.031 |
| NO0056R | cadmium | | precip | 0.052 | 0.019 | 0.027 | 0.03 | 0.017 | 0.026 | 0.049 | 0.022 | 0.044 | 0.061 | 0.082 | 0.087 | 0.042 |
| NO0099R | cadmium | | precip | 0.088 | 0.04 | 0.536 | 0.04 | 0.019 | 0.03 | 0.032 | 0.026 | 0.027 | 0.023 | 0.009 | 0.023 | 0.057 |
| PL0004R | cadmium | | precip | 0.090 | 0.050 | 0.050 | 0.110 | 0.160 | 0.050 | 0.040 | 0.060 | 0.030 | 0.070 | 0.050 | 0.040 | 0.050 |
| PL0005R | cadmium | | precip | -999.000 | -999.000 | -999.000 | -999.000 | 0.186 | 0.317 | 0.339 | 0.285 | 0.397 | 0.284 | -999.000 | -999.000 | -999.000 |
| PT0001R | cadmium | | precip | 0.425 | -9999.99 | -9999.99 | 0.425 | 0.708 | -9999.99 | 0.425 | -9999.99 | 0.425 | 0.425 | -9999.99 | 0.425 | 0.481 |
| PT0003R | cadmium | | precip | 0.425 | -9999.99 | -9999.99 | 0.425 | 0.425 | 0.425 | 0.425 | 0.425 | 0.425 | 0.425 | -9999.99 | 0.425 | 0.425 |
| PT0004R | cadmium | | precip | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 0.425 | 0.425 | -9999.99 | -9999.99 | 0.425 | 0.425 | -9999.99 | 0.425 | 0.425 |
| PT0010R | cadmium | | precip | 0.425 | -9999.99 | -9999.99 | 0.425 | 0.425 | 0.425 | 0.425 | 0.425 | 0.425 | 0.425 | 0.425 | 0.425 | 0.425 |
| SE0005R | cadmium | | precip | 0.08 | 0.021 | 0.03 | 0.049 | 0.023 | -9999.99 | 0.01 | 0.02 | 0.02 | 0.006 | 0.01 | 0.054 | 0.022 |

| | | | | jan | feb | mar | apr | may | june | jul | aug | sept | oct | nov | des | year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SE0051R | cadmium | | precip | 0.17 | 0.03 | 0.08 | 0.05 | 0.02 | 0.01 | 0.03 | 0.04 | 0.03 | 0.06 | 0.02 | 0.1 | 0.044 |
| SE0097R | cadmium | | precip | 0.07 | 0.051 | 0.075 | 0.024 | 0.055 | 0.03 | 0.015 | 0.02 | 0.035 | 0.049 | 0.018 | 0.08 | 0.043 |
| SK0002R | cadmium | | precip | 0.32 | 0.54 | 0.25 | 0.19 | -9999.99 | -9999.99 | -9999.99 | 0.88 | 0.21 | 1.12 | 0.34 | 0.3 | 0.386 |
| SK0004R | cadmium | | precip | 0.33 | 1.63 | -9999.99 | 0.4 | 0.23 | 0.12 | 0.21 | 0.14 | 0.26 | 0.64 | 1.59 | 0.43 | 0.347 |
| SK0005R | cadmium | | precip | 0.11 | 0.19 | 0.08 | 0.17 | 0.1 | 0.1 | 0.1 | 0.16 | 0.14 | 0.16 | 0.27 | 0.14 | 0.129 |
| SK0006R | cadmium | | precip | 0.4 | 0.29 | 0.11 | 0.22 | 0.17 | 0.01 | 0.09 | 0.12 | 0.1 | 0.27 | 0.15 | 0.31 | 0.141 |
| SK0007R | cadmium | | precip | 0.19 | 0.01 | 0.01 | 0.13 | 0.11 | 0.01 | 0.01 | 0.1 | 0.01 | 0.16 | 0.01 | 0.13 | 0.044 |
| BE0004R | chromium | wet only | precip | 2.027 | 0.805 | 0.806 | 0.801 | 0.805 | 0.805 | 0.806 | 0.806 | 0.855 | 0.923 | 0.812 | 0.809 | 0.954 |
| DE0001R | chromium | | precip | 0.29 | 0.295 | 0.399 | 0.216 | 0.13 | 0.156 | 0.191 | 0.126 | 0.081 | 0.111 | 0.115 | 0.089 | 0.15 |
| DE0002R | chromium | | precip | 0.244 | 0.178 | 0.18 | 0.375 | 0.621 | 0.205 | 0.194 | 0.291 | 0.101 | 0.183 | 0.192 | 0.153 | 0.207 |
| DE0004R | chromium | | precip | 0.222 | 0.228 | 0.146 | 0.223 | 0.329 | 0.176 | 0.188 | 0.197 | 0.144 | 0.151 | 0.106 | 0.141 | 0.176 |
| DE0009R | chromium | | precip | 0.091 | 0.082 | 0.071 | 0.036 | 0.014 | 0.018 | 0.112 | 0.067 | 0.051 | 0.087 | 0.078 | 0.085 | 0.06 |
| DK0008R | chromium | | precip | 0.211 | 0.236 | 0.202 | 0.241 | 0.237 | 0.174 | 0.298 | 0.296 | 0.251 | 0.315 | 0.205 | 0.171 | 0.235 |
| DK0020R | chromium | | precip | 0.332 | 0.205 | 0.2 | 0.196 | 0.264 | 0.131 | 0.16 | 0.133 | 0.039 | 0.282 | 0.068 | -9999.99 | 0.145 |
| DK0031R | chromium | | precip | 0.078 | 0.154 | 0.191 | 0.1 | 0.161 | 0.076 | 0.112 | 0.092 | 0.076 | 0.109 | 0.051 | 0.067 | 0.096 |
| FI0008R | chromium | | precip | 0.14 | 0.04 | 0.26 | 0.06 | 0.07 | 0.06 | -0.02 | -0.02 | -0.02 | 0.16 | 0.26 | 0.25 | 0.036 |
| FI0009R | chromium | | precip | 0.33 | 1.11 | 0.91 | 0.06 | 0.25 | 0.03 | 0.12 | 0.05 | -0.02 | 0.22 | 0.36 | 2.04 | 0.101 |
| FI0017R | chromium | | precip | 0.33 | 0.08 | 0.6 | 0.03 | 0.05 | -0.02 | -0.02 | 0.12 | 0.04 | 0.06 | 0.31 | 0.45 | 0.083 |
| FI0022R | chromium | | precip | 0.11 | 0.19 | 0.34 | 0.22 | -0.02 | 0.02 | 0.02 | 0.05 | -0.02 | -0.02 | 0.16 | 0.25 | 0.064 |
| FI0036R | chromium | | precip | 0.14 | -0.02 | 0.28 | -0.02 | -0.02 | 0.03 | -0.02 | -0.02 | 0.02 | 0.06 | 0.12 | 0.23 | 0.023 |
| FI0053R | chromium | | precip | 0.06 | 0.04 | 0.61 | 0.07 | -0.02 | -0.02 | -0.02 | 0.07 | 0.03 | 0.02 | 0.52 | 0.56 | 0.044 |
| FI0092R | chromium | | precip | 0.18 | 0.03 | 0.25 | 0.16 | 0.02 | 0.02 | -0.02 | -0.02 | -0.02 | -0.02 | 0.09 | 0.23 | 0.038 |
| FI0093R | chromium | | precip | 0.2 | 0.16 | 0.21 | 0.09 | -0.02 | -0.02 | 0.03 | -0.02 | -0.02 | -0.02 | 0.11 | 0.32 | 0.054 |
| FR0090R | chromium | | precip | 0.05 | 0.05 | 0.04 | 0.02 | 0.2 | 0.11 | 0.15 | 0.12 | 0.09 | 0.03 | 0.03 | 0.03 | 0.063 |
| GB0014R | chromium | ug/m2 | wetdep | 8.548 | 21.5 | 9 | 8.9 | 7.161 | 15 | 4.355 | 9 | 13 | 11.032 | 58 | 21.6 | 15.437 |
| GB0090R | chromium | ug/m2 | wetdep | 12 | 9.536 | 12 | 9 | 10.935 | 18.467 | 23.516 | 14.419 | 6.333 | 7 | 13 | 187.194 | 27.26 |
| GB0091R | chromium | ug/m2 | wetdep | 3.871 | 12 | 8.258 | 5.5 | 15 | 19.633 | 8.839 | 4.032 | 4.933 | 3.806 | 1.367 | 12 | 8.244 |
| 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 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| IS0002R | chromium | | precip | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 0.05 |
| IS0090R | chromium | | precip | 0.05 | 0.342 | 1.114 | 0.527 | 0.332 | 0.375 | 0.305 | 0.062 | 0.074 | 0.164 | 0.182 | 0.254 | 0.223 |
| NL0009R | chromium | | precip | 0.286 | 0.192 | 0.23 | 0.255 | -9999.99 | -9999.99 | -9999.99 | 0.218 | 0.218 | 0.192 | 0.267 | 0.432 | 0.255 |
| 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 | 0.257 | 0.844 | 0.133 | 0.844 | 0.902 | 1.064 | 0.287 | 0.246 | 0.209 | 0.1 | 0.1 | 0.408 | 0.387 |
| NO0099R | chromium | | precip | 0.188 | 0.941 | 0.584 | 0.332 | 0.528 | 0.59 | 0.146 | 0.124 | 0.259 | 0.363 | 0.194 | 0.257 | 0.31 |
| PL0004R | chromium | | precip | 0.160 | 0.320 | 0.150 | 0.300 | 0.250 | 0.110 | 0.080 | 0.050 | 0.390 | 0.250 | 0.130 | 0.990 | 0.220 |
| PL0005R | chromium | | precip | -999.000 | -999.000 | -999.000 | -999.000 | 0.228 | 0.150 | 0.259 | 0.209 | 0.162 | 0.178 | -999.000 | -999.000 | -999.000 |
| SE0005R | chromium | | precip | 0.655 | 0.402 | 0.26 | 0.746 | 0.875 | 0.15 | 0.03 | 0.15 | 0.036 | 0.025 | 0.025 | 0.258 | 0.202 |
| SE0051R | chromium | | precip | 0.38 | 0.43 | 0.67 | 0.45 | 0.99 | 0.98 | 1.56 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.294 |
| SE0097R | chromium | | precip | 0.23 | 0.201 | 0.241 | 0.148 | 0.29 | 0.21 | 0.181 | 0.028 | 0.025 | 0.025 | 0.025 | 0.025 | 0.13 |
| DE0001R | cobalt | | precip | 0.033 | 0.034 | 0.03 | 0.034 | 0.052 | 0.034 | 0.035 | 0.029 | 0.016 | 0.018 | 0.015 | 0.009 | 0.025 |
| DE0002R | cobalt | | precip | 0.032 | 0.04 | 0.042 | 0.095 | 0.127 | 0.053 | 0.038 | 0.069 | 0.021 | 0.05 | 0.037 | 0.024 | 0.045 |
| DE0004R | cobalt | | precip | 0.031 | 0.048 | 0.023 | 0.043 | 0.063 | 0.05 | 0.093 | 0.055 | 0.033 | 0.045 | 0.037 | 0.022 | 0.045 |
| DE0009R | cobalt | | precip | 0.079 | 0.027 | 0.023 | 0.018 | 0.037 | 0.034 | 0.035 | 0.026 | 0.008 | 0.036 | 0.023 | 0.022 | 0.025 |
| NL0009R | cobalt | | precip | -0.018 | 0.029 | 0.033 | 0.035 | -9999.99 | -9999.99 | -9999.99 | 0.088 | 0.088 | 0.13 | 0.104 | 0.047 | 0.075 |
| NO0047R | cobalt | | precip | 0.382 | 1.853 | 0.359 | 1.087 | 1.152 | 1.674 | 0.602 | 0.403 | 0.486 | 0.22 | 0.079 | 0.327 | 0.654 |

| | | | | jan | feb | mar | apr | may | june | jul | aug | sept | oct | nov | des | year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO0099R | cobalt | | precip | 0.009 | 0.056 | 0.064 | 0.036 | 0.084 | 0.032 | 0.038 | 0.036 | 0.011 | 0.026 | 0.021 | 0.005 | 0.024 |
| NO0099R | cobalt | | precip | 0.009 | 0.056 | 0.064 | 0.036 | 0.084 | 0.032 | 0.038 | 0.036 | 0.011 | 0.026 | 0.021 | 0.005 | 0.024 |
| SE0097R | cobalt | | precip | 0.01 | 0 | 0.016 | 0.011 | 0.037 | 0.01 | 0.01 | 0 | 0 | 0.026 | 0.037 | 0.01 | 0.011 |
| BE0004R | copper | wet only | precip | 2.077 | 2.076 | 2.081 | 2.538 | 3.124 | 2.078 | 5.394 | 3.405 | 2.079 | 2.079 | 2.094 | 2.088 | 2.568 |
| BE0004R | copper | bulk | precip | 2.26 | 2.278 | 2.29 | 2.28 | 2.28 | 2.29 | -9999.99 | 2.29 | 2.29 | -9999.99 | -9999.99 | 2.27 | 2.28 |
| DE0001R | copper | | precip | 2.951 | 6.338 | 3.665 | 3.753 | 1.045 | 0.921 | 0.901 | 1.058 | 0.656 | 1.003 | 0.881 | 0.673 | 1.447 |
| DE0002R | copper | | precip | 1.083 | 2.042 | 2.548 | 2.863 | 3.935 | 2.367 | 2.331 | 2.563 | 1.771 | 3.694 | 3.912 | 3.308 | 2.479 |
| DE0004R | copper | | precip | 2.421 | 2.615 | 1.78 | 3.353 | 10.865 | 3.062 | 4.248 | 3.014 | 3.114 | 6.176 | 3.623 | 3.012 | 3.236 |
| DE0009R | copper | | precip | 6.881 | 3.491 | 3.803 | 5.696 | 1.802 | 5.043 | 4.375 | 2.086 | 4.579 | 1.948 | 3.391 | 6.063 | 4.163 |
| DK0008R | copper | | precip | 1.27 | 0.963 | 1.118 | 1.24 | 1.222 | 0.935 | 1.159 | 0.942 | 0.522 | 0.87 | 0.706 | 0.914 | 0.949 |
| DK0020R | copper | | precip | 1.706 | 1.677 | 1.042 | 1.125 | 1.894 | 1.015 | 0.99 | 1.49 | 0.943 | 1.669 | 0.809 | -9999.99 | 1.235 |
| DK0031R | copper | | precip | 0.379 | 0.868 | 0.451 | 0.455 | 0.81 | 0.343 | 0.59 | 0.598 | 0.879 | 0.932 | 0.318 | 0.865 | 0.633 |
| 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 | 3.558 |
| EE0011R | copper | | precip | 10.8 | 16.1 | 26.3 | 7 | 3 | 8.7 | -9999.99 | 4.6 | 5.1 | -9999.99 | 3.1 | 2.8 | 7.294 |
| FI0008R | copper | | precip | 4.12 | 0.68 | 1.72 | 2.01 | 1.51 | 2.47 | 0.41 | 0.36 | 0.66 | 3.87 | 1.01 | 1.58 | 1.005 |
| FI0009R | copper | | precip | 2.38 | 10.75 | 6.92 | 1.81 | 3.32 | 1.66 | 0.49 | 1.38 | 0.61 | 2.09 | 2.37 | 14.45 | 1.445 |
| FI0017R | copper | | precip | 1.16 | 0.79 | 2.4 | 0.52 | 1.08 | 0.42 | 0.81 | 0.51 | 0.56 | 0.75 | 2.24 | 2.12 | 0.819 |
| FI0022R | copper | | precip | 0.46 | 0.97 | 2.19 | 1.55 | 0.44 | 0.93 | 0.61 | 1.15 | 0.57 | 0.76 | 1.04 | 1.08 | 0.843 |
| FI0036R | copper | | precip | 0.88 | 0.58 | 1.36 | 1.04 | 0.49 | 0.89 | 0.38 | 0.37 | 0.77 | 1.08 | 0.77 | 1.03 | 0.663 |
| FI0053R | copper | | precip | 0.59 | 0.62 | 4.52 | 1.25 | 0.91 | 0.47 | 0.84 | 0.56 | 0.42 | 0.64 | 5.5 | 5.81 | 0.9 |
| FI0092R | copper | | precip | 0.27 | 0.33 | 0.93 | 1.87 | 0.79 | 0.54 | 0.54 | 0.36 | 0.36 | 0.39 | 0.59 | 1 | 0.538 |
| FI0093R | copper | | precip | 0.63 | 0.37 | 0.68 | 1.32 | 0.57 | 0.3 | 0.69 | 0.6 | 0.36 | 0.5 | 1.52 | 1.43 | 0.608 |
| FR0090R | copper | | precip | 1.96 | 1.35 | 0.58 | 0.35 | 1.7 | 0.65 | 0.95 | 0.65 | 0.6 | 0.4 | 0.32 | 0.35 | 0.919 |
| GB0014R | copper | ug/m2 | wetdep | 291.903 | 343.25 | 312 | 255.767 | 211.968 | 151 | 142.29 | 42 | 51 | 49.484 | 26 | 243.467 | 175.734 |
| GB0090R | copper | ug/m2 | wetdep | 434 | 296.571 | 312 | 235 | 273.71 | 330.067 | 100.065 | 54.968 | 48.667 | 28.839 | 142 | 60.71 | 192.244 |
| GB0091R | copper | ug/m2 | wetdep | 333.355 | 402 | 245.774 | 222.5 | 236 | 182.633 | 28.129 | 60.065 | 4.333 | 35.516 | 206.133 | 5778 | 651.907 |
| IE0001R | copper | | precip | 0.5 | 0.5 | 0.5 | 1.4 | 0.5 | 0.5 | 4.4 | 0.5 | 1.5 | 0.5 | 0.5 | 0.5 | 0.857 |
| IE0002R | copper | | precip | 30.1 | 6.8 | 5.4 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 30.4 | 1.5 | 0.5 | 2 | 0.5 | 9.54 |
| IS0002R | copper | | precip | 1.234 | 0.438 | 0.39 | 1.253 | 0.962 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 0.899 |
| IS0090R | copper | | precip | 1.445 | 2.387 | 5.89 | 3.919 | 2.117 | 2.489 | 1.343 | 8.688 | 1.14 | 1.486 | 1.806 | 2.319 | 2.714 |
| LT0015R | copper | | precip | 1.19 | 1.035 | 1.329 | 2.304 | 2.286 | 1.36 | 1.537 | 1.075 | 1.869 | 1.533 | 1.79 | 1.145 | 1.55 |
| LV0010R | copper | | precip | 0.5 | 0.5 | 0.5 | 14.2 | 1.8 | 0.5 | 3.1 | 0.4 | 0.3 | 0.4 | 0.4 | 4.3 | 1.331 |
| LV0016R | copper | | precip | 0.6 | 0.4 | 8 | 1.2 | 1.5 | 0.3 | 1.4 | 2 | 1 | 1.1 | 0.5 | 7.2 | 1.597 |
| NL0009R | copper | | precip | 2.917 | 3.171 | 3.079 | 3.018 | -9999.99 | -9999.99 | -9999.99 | 0.921 | 0.921 | 1.614 | 3.949 | 9.049 | 2.911 |
| NL0091R | copper | | precip | 1.164 | 2.156 | 2.486 | 2.184 | 3.14 | 3.693 | 3.665 | 1.244 | 1.366 | 4.949 | 1.264 | 1.51 | 1.999 |
| NO0047R | copper | | precip | 15.676 | 66.417 | 14.603 | 30.064 | 42.432 | 49.248 | 12.754 | 12.182 | 17.923 | 9.32 | 3.88 | 10.495 | 20.234 |
| NO0099R | copper | | precip | 1.35 | 2.252 | 6.573 | 1.5 | 4.267 | 1.327 | 1.188 | 0.76 | 0.763 | 0.813 | 0.866 | 0.448 | 1.276 |
| PL0004R | copper | | precip | 1.380 | 1.250 | 3.150 | 4.130 | 4.750 | 1.800 | 2.280 | 2.340 | 0.970 | 1.100 | 0.470 | 0.840 | 0.280 |
| PL0005R | copper | | precip | -999.000 | -999.000 | -999.000 | -999.000 | 1.492 | 2.184 | 1.279 | 1.933 | 1.480 | 1.578 | -999.000 | -999.000 | -999.000 |
| PT0001R | copper | | precip | 4.5 | -9999.99 | -9999.99 | 0.325 | 0.325 | -9999.99 | 0.768 | -9999.99 | 3.497 | 0.325 | -9999.99 | 0.325 | 0.977 |
| PT0003R | copper | | precip | 0.325 | -9999.99 | -9999.99 | 2.249 | 0.516 | 6.5 | 3.33 | 3.717 | 7.28 | 0.592 | -9999.99 | 0.325 | 1.238 |
| PT0004R | copper | | precip | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 0.325 | 1.09 | -9999.99 | -9999.99 | 0.325 | 0.388 | -9999.99 | 0.325 | 0.39 |
| PT0010R | copper | | precip | 0.325 | -9999.99 | -9999.99 | 0.325 | 0.325 | 0.419 | 0.956 | 0.384 | 0.325 | 1.224 | 0.325 | 0.325 | 0.411 |
| SE0005R | copper | | precip | 2.134 | 0.281 | 0.96 | 1.038 | 1.093 | -9999.99 | 0.417 | 0.25 | 0.396 | 0.674 | 0.35 | 0.32 | 0.575 |
| SE0051R | copper | | precip | 2.18 | 0.76 | 2.57 | 1.6 | 1.42 | 1.47 | 2.96 | 0.68 | 0.34 | 2.25 | 0.87 | 1.19 | 1.205 |
| SE0097R | copper | | precip | 0.79 | 0.51 | 1.098 | 1.025 | 1.496 | 0.99 | 1.18 | 1.073 | 0.713 | 0.45 | 2.535 | 1.07 | 1.023 |

| | | | | jan | feb | mar | apr | may | june | jul | aug | sept | oct | nov | des | year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DE0001R | iron | | precip | 11.038 | 10.932 | 7.131 | 21.594 | 38.972 | 36.426 | 63.59 | 36.577 | 13.316 | 16.789 | 11.635 | 10.983 | 25.1 |
| DE0002R | iron | | precip | 14.681 | 21.358 | 31.854 | 78.162 | 174.337 | 55.186 | 35.857 | 83.158 | 22.827 | 40.794 | 49.538 | 38.653 | 46.7 |
| DE0004R | iron | | precip | 40.405 | 41.665 | 33.394 | 44.397 | 51.288 | 34.786 | 71.909 | 54.107 | 30.909 | 38.169 | 32.161 | 21.824 | 41.142 |
| DE0009R | iron | | precip | 47.556 | 17.79 | 19.272 | 17.278 | 14.877 | 28.99 | 44.449 | 25.295 | 8.357 | 22.498 | 12.763 | 16.165 | 20.271 |
| DK0008R | iron | | precip | 28.714 | 46.961 | 53.421 | 93.412 | 90.195 | 38.677 | 64.875 | 63.837 | 33.521 | 99.816 | 53.305 | 38.159 | 55.197 |
| DK0020R | iron | | precip | 73.229 | 49.069 | 62.606 | 61.271 | 122.685 | 34.422 | 62.502 | -9999.99 | 7.616 | 31.971 | 16.795 | -9999.99 | 40.925 |
| DK0031R | iron | | precip | 8.828 | 24.518 | 49.076 | 24.596 | 45.06 | 19.946 | 31.001 | 18.751 | 10.311 | 31.344 | 9.94 | 7.725 | 20.913 |
| FI0008R | iron | | precip | 17.48 | 2.88 | 11.5 | 51.02 | 13.85 | 14.19 | 15.13 | -1.5 | 8.23 | 15.23 | 13.53 | 21.96 | 12.059 |
| FI0009R | iron | | precip | 85.89 | 94.25 | 141.53 | 66.62 | 135.56 | 27.89 | 37.7 | 5.55 | 5.56 | 30.05 | 61.72 | 354.43 | 29.822 |
| FI0017R | iron | | precip | 48.12 | 30.36 | 75.87 | 36.37 | 82.93 | 10.6 | 41.1 | 7.45 | 18.81 | 26.65 | 102.59 | 60.59 | 35.798 |
| FI0022R | iron | | precip | 5.21 | 12.68 | 18.44 | 31.81 | 4.62 | 13.97 | 12.53 | 4.68 | 8.7 | 6.21 | 14.29 | 19.13 | 11.311 |
| FI0036R | iron | | precip | 5.21 | 12.68 | 18.44 | 31.81 | 4.62 | 13.97 | 12.53 | 4.68 | 8.7 | 6.21 | 14.29 | 19.13 | 11.327 |
| FI0053R | iron | | precip | 10.52 | 10.46 | 75.04 | 60.25 | 43.54 | 16.91 | 20.92 | 15.9 | 11.63 | 22.51 | 310.25 | 63.19 | 30.079 |
| FI0092R | iron | | precip | 15.46 | 1.76 | 13.55 | 92.94 | 25.3 | 12.37 | 21.88 | -1.5 | 13.57 | 9.15 | 17.94 | 24.19 | 15.327 |
| FI0093R | iron | | precip | 18.02 | 12.76 | 16.43 | 63.65 | 20.83 | 5.47 | 11.32 | 7.26 | 5.65 | 13.96 | 31.51 | 15.6 | 13.735 |
| IS0002R | iron | | precip | 5 | 5 | 5 | 17.81 | 24.212 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 13.077 |
| IS0090R | iron | | precip | 115.385 | 447.754 | 867.449 | 485.916 | 184.821 | 242.984 | 74.905 | 35.526 | 28.076 | 85.156 | 121.049 | 181.748 | 156.258 |
| NL0009R | iron | | precip | 22.896 | 7.26 | 17.406 | 24.013 | -9999.99 | -9999.99 | -9999.99 | 161.392 | 161.392 | 57.52 | 66.99 | 87.677 | 99.203 |
| SK0002R | iron | | precip | -9999.99 | 24 | 39 | 13 | -9999.99 | -9999.99 | -9999.99 | 30 | 65 | 21 | 46 | 23 | 37.241 |
| SK0004R | iron | | precip | 33 | 18 | -9999.99 | 13 | 103 | -9999.99 | -9999.99 | 29 | 63 | 26 | 59 | 20 | 40.837 |
| SK0005R | iron | | precip | 10 | 23 | 38 | 10 | -9999.99 | -9999.99 | -9999.99 | 48 | 58 | 8 | 24 | 34 | 31.866 |
| SK0006R | iron | | precip | 7 | 26 | 8 | 17 | -9999.99 | -9999.99 | -9999.99 | 37 | 66 | 17 | 11 | 28 | 25.645 |
| SK0007R | iron | | precip | 25 | 21 | 7 | 17 | 109 | 16 | -9999.99 | 37 | 69 | 16 | 20 | 13 | 42.14 |
| BE0004R | lead | wet only | precip | 37.358 | 23.773 | 11.146 | 7.303 | 12.11 | 29.177 | 73.61 | 49.857 | 41.968 | 20.726 | 4.633 | 4.823 | 27.909 |
| BE0004R | lead | bulk | precip | 2.35 | 3.625 | 4.309 | 2.835 | 8.047 | 7.681 | -9999.99 | 2.57 | 1.67 | -9999.99 | -9999.99 | 1.66 | 3.308 |
| CZ0001R | lead | | precip | 8.249 | 5.691 | 6.537 | 5.491 | 9.292 | 2.223 | 2.575 | 2.313 | 2.533 | 3.356 | 1.85 | 2.946 | 4.29 |
| CZ0003R | lead | | precip | 5.636 | 5.591 | 6.585 | 5.223 | 9.316 | 1.994 | 6.16 | 4.064 | 3.362 | 1.807 | 0.819 | 1.611 | 4.599 |
| DE0001R | lead | | precip | 1.285 | 1.716 | 0.672 | 2.344 | 1.24 | 0.828 | 0.913 | 0.84 | 0.451 | 1.538 | 1.284 | 0.566 | 0.997 |
| DE0002R | lead | | precip | 0.742 | 1.776 | 3.24 | 2.44 | 2.777 | 1.845 | 2.316 | 1.807 | 0.869 | 1.263 | 1.336 | 1.4 | 1.629 |
| DE0004R | lead | | precip | 1.401 | 2.196 | 1.423 | 2.204 | 1.678 | 1.967 | 1.855 | 1.387 | 1.552 | 0.989 | 1.492 | 1.871 | 1.679 |
| DE0009R | lead | | precip | 1.726 | 1.996 | 1.078 | 1.409 | 0.893 | 1.054 | 1.01 | 0.685 | 0.88 | 1.772 | 1.607 | 0.656 | 1.065 |
| DK0008R | lead | | precip | 1.994 | 1.995 | 2.026 | -9999.99 | 0.974 | 0.978 | 1.289 | 1.392 | 1.215 | 1.143 | 0.832 | 2.765 | 1.405 |
| DK0020R | lead | | precip | 4.071 | 1.87 | 1.693 | 2.322 | 1.759 | 1.126 | 1.126 | -9999.99 | 0.572 | 0.965 | 0.597 | -9999.99 | 1.32 |
| DK0031R | lead | | precip | 1.058 | 0.634 | 0.714 | 0.775 | 1.192 | 0.472 | 0.647 | 0.68 | 0.697 | 0.772 | 0.29 | 0.399 | 0.692 |
| 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 | 0.824 |
| EE0011R | lead | | precip | 0.5 | 0.5 | 0.5 | 0.5 | 1.8 | 0.5 | -9999.99 | 0.5 | 0.5 | -9999.99 | 0.5 | 1.9 | 0.673 |
| FI0008R | lead | | precip | 0.34 | 0.36 | 0.67 | 2.18 | 0.42 | 0.51 | 0.4 | 0.26 | 0.61 | 0.27 | 0.6 | 0.32 | 0.477 |
| FI0009R | lead | | precip | 7.48 | 7.38 | 11.82 | 4.53 | 2.18 | 0.82 | 0.85 | 2.23 | 1.51 | 2.6 | 3.09 | 32.48 | 2.454 |
| FI0017R | lead | | precip | 3.75 | 2.49 | 3.29 | 1.45 | 0.9 | 0.34 | 1.21 | 0.44 | 1.42 | 1.97 | 2.24 | 2.1 | 1.476 |
| FI0022R | lead | | precip | 0.7 | 0.76 | 1.05 | 2.19 | 0.24 | 0.64 | 0.37 | 0.3 | 0.64 | 0.35 | 0.43 | 0.78 | 0.59 |
| FI0036R | lead | | precip | 0.63 | 0.79 | 1.1 | 1.77 | 0.24 | 0.74 | 0.3 | 0.18 | 0.56 | 0.39 | 0.34 | 0.91 | 0.513 |
| FI0053R | lead | | precip | 0.9 | 0.81 | 3.86 | 4.24 | 0.34 | 0.73 | 0.73 | 0.32 | 0.53 | 1.26 | 2.06 | 2.53 | 1.221 |
| FI0092R | lead | | precip | 0.99 | 0.82 | 0.88 | 6.18 | 1.2 | 0.75 | 0.86 | 0.21 | 1.2 | 0.63 | 0.54 | 0.64 | 0.937 |
| FI0093R | lead | | precip | 1.42 | 0.98 | 0.71 | 4.66 | 0.75 | 0.32 | 0.89 | 0.78 | 0.78 | 0.75 | 1.08 | 0.84 | 0.904 |
| FR0090R | lead | | precip | 1.43 | 1.21 | 0.76 | 0.91 | 3.9 | 1.2 | 1.95 | 1.5 | 0.45 | 0.4 | 0.45 | 0.3 | 1.069 |
| GB0014R | lead | ug/m2 | wetdep | 183.903 | 287.286 | 223 | 178.8 | 74.677 | 86 | 28.903 | 114 | 291 | 168.387 | 116 | 75.867 | 151.245 |
| GB0090R | lead | ug/m2 | wetdep | 101 | 90.893 | 163 | 118 | 100.581 | 180.267 | 126.387 | 115.645 | 127.5 | 57.871 | 93 | 39.774 | 109.425 |

| | | | | jan | feb | mar | apr | may | june | jul | aug | sept | oct | nov | des | year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GB0091R | lead | ug/m2 | wetdep | 67.29 | 42 | 144.903 | 77.833 | 40 | 56.733 | 48.935 | 46.419 | 38.333 | 158.742 | 10.667 | 30 | 63.858 |
| IE0001R | lead | | 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 | lead | | precip | 1.5 | 0.5 | 2.7 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 1.01 |
| IS0002R | lead | | precip | 0.575 | 0.346 | 0.789 | 0.339 | 0.495 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 0.465 |
| IS0090R | lead | | precip | 0.509 | 1.607 | 1.105 | 0.76 | 0.571 | 0.744 | 0.261 | 0.369 | 0.29 | 0.371 | 0.514 | 0.652 | 0.549 |
| LT0015R | lead | | precip | 4.62 | 3.176 | 2.208 | 4.811 | 6.791 | 6.902 | 2.426 | 1.693 | 4.115 | 3.909 | 2.204 | 1.016 | 3.7 |
| LV0010R | lead | | precip | 0.9 | 0.1 | 4.1 | 4.5 | 2 | 0.3 | 3.1 | 0.9 | 0.4 | 2 | 1.3 | 2.2 | 1.38 |
| LV0016R | lead | | precip | 0.4 | 0.1 | 3.6 | 3.1 | 1.1 | 0.3 | 1.9 | 2.9 | 0.7 | 0.7 | 0.5 | 1.4 | 1.418 |
| NL0009R | lead | | precip | 1.585 | 4.347 | 3.386 | 2.76 | -9999.99 | -9999.99 | -9999.99 | 1.394 | 1.394 | 1.189 | 1.181 | 1.162 | 1.655 |
| NL0091R | lead | | precip | 1.938 | 2.758 | 3.502 | 3.929 | 3.889 | 3.86 | 3.298 | 1.941 | 2.681 | 4.422 | 5.832 | 4.43 | 3.173 |
| NO0001R | lead | | precip | 2 | 0.747 | 1.978 | 1.055 | 0.992 | 0.755 | 1.403 | 0.697 | 1.41 | 1.163 | 0.687 | 1.195 | 1.255 |
| NO0039R | lead | | precip | 0.127 | 0.161 | 0.185 | 0.174 | 0.216 | 0.159 | 0.111 | 0.142 | 0.071 | 0.063 | 0.054 | 0.255 | 0.133 |
| NO0041R | lead | | precip | 1.138 | 0.343 | 0.674 | 0.897 | 0.502 | 0.668 | 0.374 | 0.498 | 0.482 | 0.509 | 0.559 | 0.467 | 0.593 |
| NO0047R | lead | | precip | 1.354 | 4.676 | 1.691 | 2.44 | 6.45 | 5.234 | 3.097 | 0.765 | 1.708 | 1.879 | 0.725 | 2.042 | 2.557 |
| NO0055R | lead | | precip | 0.877 | 0.841 | 0.579 | 2.335 | 0.666 | 0.8 | 0.513 | 0.272 | 1.032 | 0.478 | 0.376 | 0.418 | 0.674 |
| NO0056R | lead | | precip | 1.338 | 0.5 | 0.862 | 0.891 | 0.555 | 0.782 | 0.642 | 0.562 | 0.548 | 1.401 | 2.545 | 0.881 | 0.928 |
| NO0099R | lead | | precip | 2.234 | 1.714 | 4.186 | 2.252 | 2.539 | 2.289 | 1.289 | 1.053 | 1.024 | 1.209 | 0.828 | 0.806 | 1.515 |
| PL0004R | lead | | precip | 1.810 | 1.550 | 1.880 | 2.000 | 2.850 | 3.390 | 0.960 | 1.340 | 1.230 | 1.270 | 1.110 | 0.560 | 1.680 |
| PL0005R | lead | | precip | -999.000 | -999.000 | -999.000 | -999.000 | 2.302 | 1.333 | 1.997 | 1.947 | 1.945 | 1.602 | -999.000 | -999.000 | -999.000 |
| PT0001R | lead | | precip | 0.645 | -9999.99 | -9999.99 | 0.645 | 0.645 | -9999.99 | 0.645 | -9999.99 | 0.645 | 0.645 | -9999.99 | 0.645 | 0.645 |
| PT0003R | lead | | precip | 0.645 | -9999.99 | -9999.99 | 0.761 | 0.683 | 0.645 | 0.824 | 0.645 | 0.645 | 0.645 | -9999.99 | 0.645 | 0.675 |
| PT0004R | lead | | precip | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 0.645 | 0.645 | -9999.99 | -9999.99 | 0.645 | 0.645 | -9999.99 | 0.645 | 0.645 |
| PT0010R | lead | | precip | 0.645 | -9999.99 | -9999.99 | 0.645 | 1.782 | 4.671 | 25.433 | 8.046 | 1.479 | 8.124 | 12.554 | 1.257 | 3.387 |
| SE0005R | lead | | precip | 0.914 | 0.269 | 0.92 | 1.844 | 0.734 | 0.64 | 0.393 | 0.28 | 0.535 | 0.264 | 0.18 | 0.616 | 0.559 |
| SE0051R | lead | | precip | 5.92 | 1.3 | 2.24 | 1.88 | 1.18 | 1.25 | 1.79 | 1.01 | 1.12 | 0.84 | 2.3 | 1.71 | 1.896 |
| SE0097R | lead | | precip | 2.19 | 1.091 | 1.714 | 1.078 | 2.125 | 1.01 | 0.9 | 1.242 | 1.109 | 0.963 | 0.68 | 2.21 | 1.362 |
| SK0002R | lead | | precip | 4.3 | 9 | 5.7 | 4.3 | 3 | 3.9 | 2.6 | 1.6 | 2.5 | 3.8 | 3.5 | 6.9 | 3.936 |
| SK0004R | lead | | precip | 3.2 | 5.8 | -9999.99 | 2.8 | 2.4 | 1.9 | 1.3 | 2.5 | 1.6 | 2.2 | 4.7 | 2.5 | 2.204 |
| SK0005R | lead | | precip | 3.1 | 4.2 | 2.1 | 2.3 | 1.2 | 3.1 | 1.8 | 2.9 | 1.5 | 1.5 | 2.4 | 3.4 | 2.315 |
| SK0006R | lead | | precip | 1.6 | 10.8 | 5.3 | 5.9 | 4.7 | 1.8 | 1.2 | 2.9 | 2.6 | 3.6 | 2.8 | 3.2 | 3.071 |
| SK0007R | lead | | precip | 3.8 | 2 | 1.7 | 3.1 | 2 | 1.8 | 0.6 | 1.3 | 0.5 | 2.6 | 0.4 | 2.1 | 1.245 |
| | | | | | | | | | | | | | | | | |
| DE0001R | manganese | | precip | 0.817 | 1.744 | 1.05 | 2.031 | 4.111 | 2.169 | 2.112 | 1.791 | 0.89 | 1.208 | 0.813 | 0.456 | 1.445 |
| DE0002R | manganese | | precip | 1.081 | 1.672 | 2.063 | 6.248 | 18.476 | 3.693 | 2.981 | 6.07 | 1.118 | 2.685 | 2.328 | 1.529 | 3.325 |
| DE0004R | manganese | | precip | 1.505 | 2.53 | 1.87 | 2.907 | 8.602 | 4.483 | 7.34 | 5.047 | 2.573 | 3.148 | 2.59 | 1.716 | 3.415 |
| DE0009R | manganese | | precip | 9.889 | 2.493 | 1.807 | 1.67 | 4.7 | 3.173 | 2.854 | 1.742 | 0.897 | 1.921 | 1.404 | 0.897 | 2.118 |
| FI0008R | manganese | | precip | 0.41 | 0.19 | 0.45 | 3.72 | 0.99 | 3.66 | 0.64 | 0.46 | 2.5 | 0.66 | 0.29 | 1.43 | 1.058 |
| FI0009R | manganese | | precip | 3.79 | 4.96 | 8.23 | 5.86 | 6.63 | 2.51 | 1.6 | 1.2 | 0.96 | 3.81 | 3.11 | 13.53 | 2.232 |
| FI0017R | manganese | | precip | 2.5 | 1.61 | 2.98 | 2.87 | 4.58 | 1.25 | 2.84 | 1.24 | 1.4 | 1.79 | 2.77 | 2.37 | 2.212 |
| FI0022R | manganese | | precip | 0.73 | 1.14 | 1.23 | 3.41 | 0.59 | 4.79 | 1.13 | 1.33 | 3.72 | 0.69 | 0.59 | 0.41 | 1.833 |
| FI0036R | manganese | | precip | 0.38 | 0.39 | 0.78 | 2.73 | 0.5 | 6.72 | 1.13 | 0.86 | 1.11 | 0.5 | 0.42 | 0.51 | 1.458 |
| FI0053R | manganese | | precip | 0.78 | 1.18 | 5.86 | 3.99 | 1.26 | 3.21 | 1.69 | 1.67 | 1.43 | 2.68 | 9.45 | 5.15 | 2.368 |
| FI0092R | manganese | | precip | 0.54 | 0.41 | 0.87 | 8.34 | 2.43 | 5.98 | 1.68 | 0.8 | 1.87 | 1.1 | 0.49 | 0.38 | 1.685 |
| FI0093R | manganese | | precip | 1.1 | 9.57 | 1.03 | 7.6 | 2.72 | 1.65 | 2.98 | 3.09 | 1.11 | 1.97 | 9.38 | 0.82 | 2.877 |
| IE0001R | manganese | | precip | 2 | 3 | 4.1 | 3.9 | 11.9 | 4.5 | 14 | 4.6 | 10.5 | 2.9 | 4.2 | 7 | 4.904 |
| IE0002R | manganese | | precip | 2.3 | 4.7 | 3.3 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 5.6 | 4.4 | 1.5 | 1.1 | 1.5 | 3.016 |
| IS0002R | manganese | | precip | 1.047 | 0.454 | 0.4 | 2.009 | 1.12 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 1.011 |
| IS0090R | manganese | | precip | 2.325 | 6.731 | 13.766 | 8.609 | 3.5 | 5.014 | 2.003 | 1.301 | 1.056 | 1.968 | 2.358 | 3.704 | 3.043 |

| | | | | jan | feb | mar | apr | may | june | jul | aug | sept | oct | nov | des | year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PT0001R | manganese | | precip | 8.21 | -9999.99 | -9999.99 | 8.7 | 7.248 | -9999.99 | 1.075 | -9999.99 | 16.446 | 2.362 | -9999.99 | 1.075 | 4.783 |
| PT0003R | manganese | | precip | 1.075 | -9999.99 | -9999.99 | 8.796 | 1.772 | 1.075 | 4.661 | 6.5 | 13.88 | 1.624 | -9999.99 | 9.263 | 3.259 |
| PT0004R | manganese | | precip | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 1.075 | 1.075 | -9999.99 | -9999.99 | 2.977 | 4.398 | -9999.99 | 6.251 | 3.944 |
| PT0010R | manganese | | precip | 1.075 | -9999.99 | -9999.99 | 16.08 | 12.784 | 1.186 | 4.898 | 4.646 | 3.18 | 1.092 | 3.064 | 6.344 | 6.29 |
| SE0005R | manganese | | precip | 2.887 | 3.032 | 1.9 | 4.137 | 2.778 | -9999.99 | 1.59 | 1.1 | 1.282 | 1.52 | 2 | 2.074 | 1.981 |
| SE0097R | manganese | | precip | 1.3 | 2.168 | 1.708 | 1.507 | 3.71 | 2.4 | 1.523 | 1.592 | 1.228 | 4.785 | 12.67 | 1.2 | 2.48 |
| SK0002R | manganese | | precip | 4.1 | 4.7 | 3.7 | 4.2 | 9.6 | 3.5 | 3.3 | 6.2 | 2.2 | 6.1 | 8.4 | 5.8 | 4.438 |
| SK0004R | manganese | | precip | 2.3 | 3.9 | -9999.99 | 4.4 | 6.9 | 3.8 | 3.4 | 4.7 | 2 | 6.3 | 10.5 | 3 | 4.001 |
| SK0005R | manganese | | precip | 5.6 | 8.5 | 6.4 | 3 | 5.7 | 4.3 | 3 | 7.8 | 2.1 | 8.8 | 6.7 | 6.5 | 4.523 |
| SK0006R | manganese | | precip | 2.6 | 3.3 | 2.1 | 5.2 | 8.4 | 2.9 | 2 | 4.9 | 1.7 | 3.4 | 4 | 6.1 | 3.027 |
| SK0007R | manganese | | precip | 3.6 | 3.9 | 2.7 | 4.8 | 10.2 | 5.6 | 2.7 | 4.3 | 0.9 | 4 | 7.2 | 7.7 | 3.853 |
| BE0004R | mercury | | precip | 6 | 39 | 147 | 15 | 30 | 31 | 31 | 33 | 33 | 46 | 66 | 50 | 44 |
| DE0001R | mercury | | precip | 7.655 | 9.571 | 11.128 | 9.992 | 9.569 | 11.338 | 6.853 | 7.771 | 4.444 | 2.15 | 1.283 | 5.306 | 6.344 |
| DE0009R | mercury | | precip | 11.58 | 15.654 | 18.234 | 12.187 | 8.405 | 8.562 | 16.231 | 10.072 | 5.665 | 7.239 | 6.553 | 5.565 | 9.365 |
| FI0096R | mercury | | precip | 2.1 | 4.9 | 6.3 | 4.1 | 4 | 9.6 | 6.3 | 4.4 | 3.7 | 2.4 | 6.8 | -9999.99 | 5.239 |
| IE0001R | mercury | | precip | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| IE0002R | mercury | | precip | 50 | 50 | 50 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 50 | 50 | 50 | 50 | 50 | 50 |
| NL0091R | mercury | | precip | 5.47 | 6.119 | 9.867 | 9.192 | 14.193 | 18.608 | 16.628 | 12.088 | 8.819 | 11.191 | 5.496 | 4.237 | 9.413 |
| NO0099R | mercury | | precip | 5.9 | 8.6 | 14.6 | 13.5 | 11.7 | 14.5 | 8.2 | 6.2 | 6 | 6.9 | 4.8 | 4.1 | 7.297 |
| SE0002R | mercury | | precip | 8.3 | 9.9 | 12.6 | 8.8 | 8.8 | 17.6 | 12.6 | 6.6 | 7 | 12.2 | 5.7 | 4.5 | 9.314 |
| SE0005R | mercury | | precip | 8.6 | 5.8 | 10.8 | 6.2 | 5.1 | 19.6 | 7.3 | 3.8 | 4.5 | 4 | 3.2 | 8.3 | 6.502 |
| SE0011R | mercury | | precip | 12.5 | 6.5 | 14.7 | 6.1 | 19.9 | 6.3 | 10 | 8.7 | 2.8 | 13.4 | 7 | 9.4 | 9.383 |
| BE0004R | nickel | wet only | precip | 1.196 | 1.832 | 1.388 | 1.245 | 1.773 | 1.69 | 1.721 | 1.156 | 1.035 | 1.807 | 1.167 | 1.262 | 1.402 |
| CZ0001R | nickel | | precip | 2.18 | 3.671 | 9.686 | 2.391 | 6.288 | 3.293 | 1.498 | 2.146 | 2.315 | 1.911 | 1.004 | 1.424 | 3.099 |
| CZ0003R | nickel | | precip | 2.645 | 3.335 | 6.272 | 2.504 | 8.745 | 2.487 | 5.938 | 1.572 | 2.549 | 2.824 | 0.788 | 1.191 | 3.677 |
| DE0001R | nickel | | precip | 0.628 | 0.54 | 0.544 | 0.475 | 0.44 | 0.339 | 0.236 | 0.28 | 0.19 | 0.218 | 0.185 | 0.101 | 0.277 |
| DE0002R | nickel | | precip | 0.369 | 0.426 | 0.287 | 1.764 | 1.432 | 0.941 | 0.958 | 0.969 | 0.339 | 0.776 | 1.01 | 0.71 | 0.754 |
| DE0004R | nickel | | precip | 0.701 | 0.562 | 0.45 | 0.845 | 1.353 | 1.072 | 0.402 | 0.54 | 0.604 | 0.653 | 0.284 | 0.748 | 0.634 |
| DE0009R | nickel | | precip | 0.47 | 0.524 | 0.242 | 0.184 | 0.211 | 0.305 | 0.378 | 0.272 | 0.122 | 0.276 | 0.28 | 0.209 | 0.247 |
| DK0008R | nickel | | precip | 0.412 | 0.339 | 0.371 | 0.381 | 0.374 | 0.265 | 0.432 | 0.274 | 0.195 | 0.29 | 0.212 | 0.278 | 0.303 |
| DK0020R | nickel | | precip | 0.465 | 0.465 | 0.451 | 0.342 | 0.397 | 0.274 | 0.422 | 0.222 | 0.11 | 0.52 | 0.223 | -9999.99 | 0.28 |
| DK0031R | nickel | | precip | -9999.99 | 0.248 | 0.252 | 0.299 | 0.401 | 0.191 | 0.204 | 0.188 | 0.162 | 0.272 | 0.182 | 0.226 | 0.225 |
| FI0008R | nickel | | precip | 0.44 | 0.14 | 0.33 | 0.72 | 0.42 | 0.58 | 0.39 | 0.08 | 0.11 | 0.25 | 0.14 | 0.08 | 0.285 |
| FI0009R | nickel | | precip | 0.95 | 1.52 | 1.51 | 0.35 | 0.36 | 0.24 | 0.17 | 0.13 | 0.13 | 0.51 | 0.87 | 5.82 | 0.296 |
| FI0017R | nickel | | precip | 0.64 | 0.2 | 0.53 | 0.15 | 0.16 | 0.09 | 0.15 | 0.13 | 0.13 | 0.22 | 0.36 | 0.46 | 0.196 |
| FI0022R | nickel | | precip | 0.19 | 0.13 | 0.48 | 0.24 | 0.06 | 0.23 | 0.13 | 0.07 | 0.11 | 0.15 | 0.11 | 0.16 | 0.148 |
| FI0036R | nickel | | precip | 0.14 | 0.06 | 0.25 | 0.25 | 0.04 | 0.27 | 0.07 | 0.07 | 0.07 | 0.15 | 0.1 | 0.16 | 0.115 |
| FI0053R | nickel | | precip | 0.14 | 0.09 | 1.04 | 0.26 | 0.08 | 0.15 | 0.16 | 0.06 | 0.09 | 0.18 | 0.47 | 0.77 | 0.168 |
| FI0092R | nickel | | precip | 0.24 | 0.08 | 0.14 | 0.32 | 0.13 | 0.09 | 0.13 | 0.1 | 0.08 | 0.11 | 0.22 | 0.23 | 0.134 |
| FI0093R | nickel | | precip | 0.24 | 0.08 | 0.14 | 0.32 | 0.13 | 0.09 | 0.13 | 0.1 | 0.08 | 0.11 | 0.22 | 0.23 | 0.131 |
| FR0090R | nickel | | precip | 0.56 | 0.43 | 0.38 | 0.33 | 1.4 | 0.8 | 1 | 0.75 | 0.65 | 0.35 | 0.5 | 0.3 | 0.541 |
| GB0014R | nickel | ug/m2 | wetdep | 27.419 | 48.393 | 35 | 27.733 | 14.419 | 24 | 6.581 | 18 | 36 | 23.516 | 19 | 12.467 | 24.187 |
| GB0090R | nickel | ug/m2 | wetdep | 44 | 28.786 | 32 | 29 | 27.065 | 52.2 | 26.903 | 28.355 | 21.5 | 13.839 | 28 | 143.161 | 39.732 |
| GB0091R | nickel | ug/m2 | wetdep | 30.226 | 51 | 36.032 | 22.5 | 15 | 22.4 | 33.258 | 10.871 | 8.267 | 24.516 | 3.167 | 8 | 21.953 |
| 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 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |

| | | | | jan | feb | mar | apr | may | june | jul | aug | sept | oct | nov | des | year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IS0002R | nickel | | precip | 0.09 | 0.05 | 0.05 | 0.088 | 0.098 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 0.08 |
| IS0090R | nickel | | precip | 0.249 | 0.941 | 2.039 | 1.254 | 0.746 | 0.579 | 0.857 | 0.448 | 0.242 | 0.452 | 0.387 | 0.561 | 0.599 |
| NL0009R | nickel | | precip | 0.141 | 0.311 | 0.283 | 0.264 | -9999.99 | -9999.99 | -9999.99 | 0.358 | 0.358 | 0.305 | 0.314 | 0.335 | 0.322 |
| NL0091R | nickel | | precip | 0.205 | 0.35 | 0.526 | 0.465 | 0.286 | 0.659 | 0.574 | 0.205 | 0.215 | 0.38 | 0.205 | 0.205 | 0.306 |
| NO0047R | nickel | | precip | 10.26 | 60.478 | 10.74 | 34.636 | 36.908 | 51.263 | 18.94 | 12.552 | 16.665 | 8.745 | 3.757 | 7.086 | 20.711 |
| NO0099R | nickel | | precip | 0.281 | 1.142 | 1.444 | 0.532 | 0.987 | 0.447 | 0.414 | 0.285 | 0.196 | 0.289 | 0.144 | 0.129 | 0.371 |
| PL0004R | nickel | | precip | 0.420 | 0.390 | 0.410 | 0.590 | 0.480 | 0.740 | 0.320 | 0.250 | 0.190 | 0.250 | 0.120 | 0.290 | 1.660 |
| PL0005R | nickel | | precip | -999.000 | -999.000 | -999.000 | -999.000 | 0.341 | 0.237 | 0.507 | 0.539 | 0.333 | 0.395 | -999.000 | -999.000 | -999.000 |
| PT0001R | nickel | | precip | 0.775 | -9999.99 | -9999.99 | 0.775 | 0.775 | -9999.99 | 0.775 | -9999.99 | 0.775 | 0.775 | -9999.99 | 0.775 | 0.775 |
| PT0003R | nickel | | precip | 0.775 | -9999.99 | -9999.99 | 0.899 | 0.775 | 0.775 | 0.775 | 0.904 | 0.775 | 0.775 | -9999.99 | 0.775 | 0.795 |
| PT0004R | nickel | | precip | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 0.775 | 0.775 | -9999.99 | -9999.99 | 0.775 | 1.041 | -9999.99 | 0.775 | 0.897 |
| PT0010R | nickel | | precip | 0.775 | -9999.99 | -9999.99 | 38.11 | 14.917 | 1.459 | 4.612 | 2.077 | 0.886 | 0.944 | 1.507 | 5.398 | 6.307 |
| SE0005R | nickel | | precip | 0.8 | 0.104 | 0.17 | 0.287 | 0.275 | 0.65 | 0.12 | 0.08 | 0.226 | 0.229 | 0.015 | 0.07 | 0.199 |
| SE0051R | nickel | | precip | 0.53 | 0.4 | 0.67 | 0.27 | 0.5 | 0.35 | 0.39 | 0.025 | 0.015 | 0.43 | 0.13 | 0.48 | 0.255 |
| SE0097R | nickel | | precip | 0.32 | 0.301 | 0.423 | 0.217 | 0.589 | 0.3 | 0.3 | 0.231 | 0.193 | 0.066 | 0.028 | 0.14 | 0.259 |
| GB0014R | titanium | ug/m2 | wetdep | 30.194 | 57.536 | 37 | 42.033 | 22.71 | 41 | 32.29 | 45 | 123 | 65.581 | 99 | 55.133 | 53.934 |
| GB0090R | titanium | ug/m2 | wetdep | 21 | 19.929 | 37 | 43 | 57.516 | 87.867 | 71.935 | 94.387 | 69.667 | 36.774 | 125 | 48.548 | 59.468 |
| GB0091R | titanium | ug/m2 | wetdep | 15.065 | 25 | 28.742 | 47.333 | 42 | 70 | 41.258 | 48.194 | 27.467 | 72.258 | 19.233 | 55 | 41.093 |
| DE0001R | vanadium | | precip | 0.346 | 0.645 | 0.451 | 0.591 | 0.663 | 0.579 | 0.509 | 0.615 | 0.32 | 0.556 | 0.467 | 0.39 | 0.494 |
| DE0002R | vanadium | | precip | 0.216 | 0.498 | 0.519 | 0.796 | 1.553 | 0.471 | 0.412 | 0.693 | 0.271 | 0.361 | 0.585 | 0.422 | 0.489 |
| DE0004R | vanadium | | precip | 0.191 | 0.366 | 0.228 | 0.368 | 0.55 | 0.577 | 0.42 | 0.336 | 0.355 | 0.32 | 0.349 | 0.267 | 0.354 |
| DE0009R | vanadium | | precip | 0.588 | 1.019 | 0.42 | 0.344 | 0.496 | 0.418 | 0.427 | 0.39 | 0.289 | 0.583 | 0.599 | 0.364 | 0.424 |
| FI0008R | vanadium | | precip | 0.15 | 0.13 | 0.15 | 0.46 | 0.13 | 0.21 | 0.11 | 0.08 | 0.13 | 0.1 | 0.06 | 0.08 | 0.125 |
| FI0009R | vanadium | | precip | 2.06 | 3.08 | 3.67 | 0.81 | 0.75 | 0.44 | 0.4 | 0.24 | 0.38 | 1.18 | 2.14 | 18.42 | 0.703 |
| FI0017R | vanadium | | precip | 1.52 | 0.87 | 1.33 | 0.4 | 0.37 | 0.18 | 0.27 | 0.3 | 0.33 | 0.71 | 1.04 | 1.35 | 0.508 |
| FI0022R | vanadium | | precip | 0.36 | 0.32 | 0.65 | 0.47 | 0.1 | 0.25 | 0.22 | 0.1 | 0.21 | 0.17 | 0.26 | 0.34 | 0.241 |
| FI0036R | vanadium | | precip | 0.28 | 0.19 | 0.32 | 0.47 | 0.09 | 0.22 | 0.08 | 0.1 | 0.16 | 0.13 | 0.15 | 0.31 | 0.163 |
| FI0053R | vanadium | | precip | 0.47 | 0.46 | 2.21 | 0.57 | 0.26 | 0.25 | 0.33 | 0.21 | 0.2 | 0.52 | 1.64 | 1.61 | 0.409 |
| FI0092R | vanadium | | precip | 0.53 | 0.31 | 0.39 | 1.36 | 0.33 | 0.17 | 0.24 | 0.13 | 0.17 | 0.25 | 0.28 | 0.34 | 0.297 |
| FI0093R | vanadium | | precip | 0.58 | 0.37 | 0.34 | 0.68 | 0.29 | 0.14 | 0.25 | 0.22 | 0.2 | 0.32 | 0.46 | 0.47 | 0.3 |
| IE0001R | vanadium | | precip | 0.5 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.552 |
| IE0002R | vanadium | | precip | 0.5 | 0.5 | 0.5 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| IS0002R | vanadium | | precip | 1.807 | 1.854 | 1.19 | 0.641 | 0.59 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 1.237 |
| IS0090R | vanadium | | precip | 1.054 | 2.106 | 4.969 | 1.706 | 1.352 | 1.292 | 0.645 | 0.493 | 0.738 | 3.028 | 6.353 | 2.814 | 1.752 |
| NL0009R | vanadium | | precip | 0.438 | 0.749 | 0.632 | 0.555 | -9999.99 | -9999.99 | -9999.99 | 0.703 | 0.703 | 0.586 | 0.651 | 0.795 | 0.675 |
| NO0099R | vanadium | | precip | 0.916 | 1.67 | 1.364 | 0.839 | 1.109 | 0.85 | 0.919 | 0.603 | 0.666 | 1.438 | 2.202 | 0.649 | 1.022 |
| SE0005R | vanadium | | precip | 0.28 | 0.177 | 0.3 | 0.475 | 0.155 | 0.23 | 0.083 | 0.08 | 0.089 | 0.186 | 0.52 | 0.468 | 0.231 |
| SE0051R | vanadium | | precip | 0.91 | 0.8 | 1 | 0.53 | 0.5 | 0.51 | 0.61 | 0.26 | 0.09 | 1.06 | 1.31 | 1.25 | 0.788 |
| SE0097R | vanadium | | precip | 0.66 | 0.785 | 0.872 | 0.462 | 0.828 | 0.64 | 0.501 | 0.646 | 0.494 | 1.344 | 2.665 | 1.82 | 0.886 |
| BE0004R | zinc | wet only | precip | 40.105 | 34.619 | 41.821 | 43.841 | 28.552 | 24.869 | 31.126 | 28.392 | 32.061 | 29.764 | 27.632 | 53.157 | 34.485 |
| BE0004R | zinc | bulk | precip | 2.21 | 11.189 | 14.017 | 15.699 | 31.487 | 37.802 | -9999.99 | 19.22 | 28.94 | -9999.99 | -9999.99 | 2.22 | 16.448 |
| DE0001R | zinc | | precip | 10.582 | 11.497 | 17.729 | 15.952 | 7.343 | 6.192 | 5.727 | 6.796 | 3.94 | 6.711 | 4.061 | 3.158 | 6.634 |
| DE0002R | zinc | | precip | 11.363 | 17.607 | 16.846 | 45.182 | 27.478 | 27.888 | 19.354 | 17.266 | 23.731 | 40.455 | 21.388 | 12.375 | 22.571 |
| DE0004R | zinc | | precip | 16.749 | 21.481 | 11.187 | 20.708 | 72.794 | 20.47 | 13.945 | 12.928 | 12.316 | 10.686 | 14.548 | 11.224 | 15.981 |
| DE0009R | zinc | | precip | 13.583 | 17.526 | 8.163 | 7.323 | 8.585 | 10.15 | 11.171 | 6.92 | 5.653 | 11.972 | 7.862 | 4.078 | 8.023 |

| | | | | jan | feb | mar | apr | may | june | jul | aug | sept | oct | nov | des | year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DK0008R | zinc | | precip | 10.124 | 17.773 | 11.938 | 9.953 | 9.723 | 6.082 | 10.659 | 6.606 | 3.989 | 8.082 | 6.958 | 12.606 | 8.568 |
| DK0020R | zinc | | precip | 15.576 | 9.313 | 12.421 | 10.305 | 15.936 | 13.273 | 13.965 | 10.796 | 7.743 | 25.087 | 17.387 | -9999.99 | 12.462 |
| DK0031R | zinc | | precip | 5.667 | 20.977 | 7.497 | 6.83 | 9.396 | 3.708 | 13.299 | 7.859 | 6.495 | 8.885 | 4.701 | 18.489 | 8.419 |
| EE0009R | zinc | | precip | 5 | 5 | 5 | 5 | 10 | 5 | 5 | 5 | 5 | 5 | 13 | 13 | 5.973 |
| EE0011R | zinc | | precip | 20 | 30 | 30 | 5 | 5 | 5 | -9999.99 | 5 | 5 | -9999.99 | 5 | 10 | 9.789 |
| FI0008R | zinc | | precip | 1.43 | 0.84 | 2.59 | 2.8 | 1.3 | 2.52 | 0.77 | 0.74 | 2.15 | 1.32 | 0.98 | 1.87 | 1.223 |
| FI0009R | zinc | | precip | 16.88 | 28.88 | 36.05 | 8.01 | 12.67 | 7.38 | 2.41 | 4.6 | 2.61 | 9.02 | 10.67 | 115.91 | 6.325 |
| FI0017R | zinc | | precip | 8.32 | 5.17 | 9.27 | 3.46 | 3.6 | 1.6 | 2.58 | 2.72 | 4.06 | 5.78 | 7.2 | 6.83 | 4.15 |
| FI0022R | zinc | | precip | 1.52 | 2.11 | 2.91 | 4.07 | 1.13 | 2.42 | 2.39 | 1.71 | 1.97 | 2.44 | 1.55 | 2.33 | 2.125 |
| FI0036R | zinc | | precip | 1.94 | 1.96 | 3.67 | 3.8 | 0.67 | 3.61 | 2.03 | 1.01 | 2.05 | 4.41 | 1.34 | 2.85 | 2.216 |
| FI0053R | zinc | | precip | 2.23 | 2.28 | 12.97 | 7.46 | 1.6 | 3.81 | 2.25 | 1.68 | 1.86 | 3.81 | 9.95 | 10.91 | 3.499 |
| FI0092R | zinc | | precip | 2.49 | 1.7 | 2 | 10.55 | 3.28 | 2.68 | 2.06 | 1.11 | 2.24 | 1.68 | 1.77 | 1.52 | 2.242 |
| FI0093R | zinc | | precip | 3.55 | 3.85 | 2.03 | 8.69 | 2.7 | 1.38 | 2.48 | 2.61 | 2.61 | 3.55 | 5.53 | 2.61 | 2.912 |
| FR0090R | zinc | | precip | 1.38 | 1.72 | 1.49 | 1.2 | 4 | 2.8 | 2.5 | 3.7 | 1.2 | 1.1 | 1.7 | 0.9 | 1.717 |
| GB0014R | zinc | ug/m2 | wetdep | 403.806 | 792.607 | 781 | 638.233 | 1121.355 | 199 | 100.29 | 195 | 440 | 418.645 | 210 | 92.4 | 448.365 |
| GB0090R | zinc | ug/m2 | wetdep | 1115 | 473.893 | 667 | 1044 | 322.065 | 683.467 | 315.387 | 407.129 | 329.5 | 375.194 | 3149 | 195.452 | 752.773 |
| GB0091R | zinc | ug/m2 | wetdep | 922.194 | 5432 | 1169 | 463.333 | 348 | 452.667 | 166.839 | 568 | 178.333 | 564.226 | 3.533 | 48 | 828.51 |
| IE0001R | zinc | | precip | 24.1 | 32.9 | 33.4 | 44.6 | 37.8 | 31 | 65.5 | 44.8 | 38.2 | 40.2 | 26.9 | 46.8 | 37.937 |
| IE0002R | zinc | | precip | 13.3 | 7.5 | 13 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 11.9 | 10.6 | 5.3 | 4.4 | 4.7 | 8.894 |
| IS0002R | zinc | | precip | 10.979 | 14.053 | 7.5 | 7.331 | 8.296 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 10.291 |
| IS0090R | zinc | | precip | 2.081 | 5.204 | 14.96 | 16.739 | 6.359 | 7.86 | 5.721 | 10.395 | 6.921 | 6.996 | 2.82 | 3.617 | 6.573 |
| LT0015R | zinc | | precip | 6.506 | 6.885 | 15.243 | 12.214 | 59.457 | 24.655 | 23.613 | 18.435 | 21.01 | 35.042 | 27.944 | 21.418 | 22.364 |
| LV0010R | zinc | | precip | 16 | 26.2 | 24.9 | 31.4 | 16.8 | 15.4 | 14.1 | 2.6 | 4.3 | 9.9 | 8 | 27.1 | 12.719 |
| LV0016R | zinc | | precip | 14.5 | 9.2 | 28.5 | 30.6 | 17.8 | 35.5 | 20.5 | 7.7 | 20.6 | 15.5 | 12.8 | 14.7 | 20.47 |
| NL0009R | zinc | | precip | 7.847 | 9.809 | 10.046 | 10.201 | -9999.99 | -9999.99 | -9999.99 | 8.37 | 8.37 | 6.801 | 7.129 | 7.847 | 8.21 |
| NL0091R | zinc | | precip | 4.283 | 7.977 | 9.295 | 8.919 | 8.633 | 9.39 | 13.844 | 3.98 | 2.215 | 11.384 | 11.93 | 5.5 | 6.635 |
| NO0001R | zinc | | precip | 5.601 | 2.547 | 11.933 | 4.632 | 4.674 | 2.914 | 4.047 | 2.125 | 4.13 | 4.147 | 2.354 | 8.703 | 4.673 |
| NO0039R | zinc | | precip | 1.494 | 0.601 | 0.54 | 2.914 | 1.303 | 1.168 | 2.083 | 2.231 | 2.387 | 2.536 | 0.356 | 1.207 | 1.351 |
| NO0041R | zinc | | precip | 3.495 | 1.333 | 6.475 | 3.693 | 2.318 | 3.491 | 1.808 | 3.041 | 5.674 | 2.417 | 2.844 | 4.369 | 3.343 |
| NO0047R | zinc | | precip | 7.163 | 8.574 | 2.278 | 12.332 | 15.715 | 12.953 | 11.401 | 7.525 | 4.792 | 7.568 | 3.489 | 3.002 | 8.544 |
| NO0055R | zinc | | precip | 14.715 | 3.528 | 1.431 | 7.338 | 11.326 | 5.524 | 2.504 | 6.368 | 3.328 | 5.127 | 3.846 | 8.294 | 4.791 |
| NO0056R | zinc | | precip | 4.322 | 2.121 | 4.433 | 4.706 | 2.252 | 4.047 | 7.325 | 2.984 | 3.878 | 6.063 | 9.424 | 8.434 | 4.76 |
| NO0099R | zinc | | precip | 7.309 | 11.428 | 24.241 | 10.638 | 15.313 | 4.909 | 8.148 | 5.621 | 3.447 | 4.992 | 14.57 | 3.692 | 7.44 |
| PL0004R | zinc | | precip | 6.400 | 3.170 | 6.580 | 9.370 | 8.360 | 3.370 | 4.820 | 6.310 | 4.190 | 10.260 | 5.250 | 6.110 | 5.390 |
| PL0005R | zinc | | precip | -999.000 | -999.000 | -999.000 | -999.000 | 9.360 | 9.295 | 7.132 | 62.524 | 17.383 | 16.888 | -999.000 | -999.000 | -999.000 |
| PT0001R | zinc | | precip | 283 | -9999.99 | -9999.99 | 5 | 197.438 | -9999.99 | 14.6 | -9999.99 | 134.15 | 5.556 | -9999.99 | 10 | 79.17 |
| PT0003R | zinc | | precip | 2 | -9999.99 | -9999.99 | 55.473 | 10.742 | 73 | 48.952 | 15.538 | 58 | 11.708 | -9999.99 | 14.874 | 18.57 |
| PT0004R | zinc | | precip | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 13.524 | 13 | -9999.99 | -9999.99 | 9.707 | 8.116 | -9999.99 | 1.851 | 8.082 |
| PT0010R | zinc | | precip | 11 | -9999.99 | -9999.99 | 73 | 42.315 | 6.036 | 37.532 | 12.176 | 8.694 | 19.232 | 13.171 | 22.157 | 22.859 |
| SE0005R | zinc | | precip | 26.852 | 1.745 | 3.33 | 9.126 | 36.298 | -9999.99 | 1.482 | 8.24 | 15.954 | 6.277 | 2.26 | 3.842 | 7.714 |
| SE0051R | zinc | | precip | 15.36 | 6.21 | 15.43 | 31.36 | 24.5 | 27.06 | 21.52 | 14.77 | 8.22 | 9.29 | 3.86 | 13.21 | 12.136 |
| SE0097R | zinc | | precip | 8.07 | 5.467 | 6.902 | 3.981 | 6.879 | 25.79 | 16.094 | 15.962 | 20.274 | 6.826 | 5.439 | 9.15 | 11.537 |
| SK0002R | zinc | | precip | -9999.99 | 35 | 130 | 18 | 28 | 56 | 24 | 34 | 63 | -9999.99 | 34 | -9999.99 | 46.483 |
| SK0004R | zinc | | precip | 11 | 35 | -9999.99 | 4 | 17 | 15 | 11 | 8 | 4 | 21 | 17 | 38 | 12.172 |
| SK0005R | zinc | | precip | 22 | 28 | 32 | 16 | 21 | 15 | 14 | 19 | 9 | 23 | 22 | 85 | 19.273 |
| SK0006R | zinc | | precip | 17 | 33 | 13 | 8 | 18 | 15 | 13 | 9 | 5 | 18 | 15 | 83 | 15.82 |
| SK0007R | zinc | | precip | 129 | 18 | 8 | 11 | 15 | 27 | 11 | 10 | 4 | 10 | 6 | 63 | 15.601 |

| | | | | jan | feb | mar | apr | may | june | jul | aug | sept | oct | nov | des | year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BE0004R | mm | wet only | precip | 83.534 | 63.89 | 70.866 | 51.992 | 49.366 | 59.106 | 52.556 | 87.604 | 74.534 | 43.352 | 64.178 | 48.856 | 749.834 |
| BE0004R | mm | bulk | precip | 157.536 | 106.171 | 99.112 | 66.513 | 51.251 | 67.817 | 0 | 141.8 | 143 | 0 | 0 | 91.8 | 925 |
| CZ0001R | mm | | precip | 48.329 | 33.986 | 41.814 | 57.014 | 112.571 | 84.443 | 173.843 | 84.357 | 108.843 | 24.914 | 18.957 | 61.429 | 850.5 |
| CZ0003R | mm | | precip | 38.029 | 20.3 | 52.057 | 67.629 | 79.743 | 74.257 | 101.286 | 77.743 | 84.357 | 15.186 | 49.771 | 67.743 | 728.1 |
| DE0001R | mm | HM | precip | 32.5 | 38.167 | 24.267 | 27.067 | 21.8 | 48.883 | 77.417 | 88.2 | 106.4 | 56.867 | 69.367 | 65.667 | 656.6 |
| DE0001R | mm | Hg | precip | 37.933 | 38.367 | 27.983 | 29.917 | 24.3 | 49.75 | 78.5 | 93.55 | 112.3 | 62.833 | 73.233 | 63.633 | 692.3 |
| DE0002R | mm | | precip | 36.8 | 43.1 | 46 | 38 | 27.8 | 82.3 | 62.8 | 56.2 | 146.1 | 28.8 | 32.8 | 68.9 | 669.6 |
| DE0004R | mm | | precip | 84.883 | 43.2 | 113.517 | 78.117 | 9.8 | 104.233 | 96.817 | 51.05 | 96.8 | 35.5 | 74.533 | 34.367 | 822.989 |
| DE0009R | mm | | precip | 16.633 | 24.533 | 25.333 | 63.2 | 39.25 | 67.783 | 49.45 | 106.15 | 133.567 | 22.5 | 45 | 61.5 | 654.9 |
| DK0008R | mm | | precip | 55.406 | 28.425 | 36.546 | 38.376 | 40.756 | 69.947 | 29.492 | 65.325 | 83.059 | 37.764 | 48.164 | 36.043 | 569.303 |
| DK0020R | mm | | precip | 27.122 | 34.904 | 30.12 | 36.293 | 31.827 | 47.068 | 34.121 | 96.558 | 127.472 | 32.614 | 51.952 | 0 | 550.05 |
| DK0031R | mm | | precip | 101.146 | 39.778 | 44.356 | 99.348 | 40.414 | 76.857 | 86.868 | 78.675 | 168.242 | 133.009 | 95.327 | 53.231 | 1017.25 |
| EE0009R | mm | | precip | 42.8 | 57.7 | 34.7 | 77 | 3.4 | 181.8 | 41.4 | 53.9 | 29.9 | 59.5 | 49.2 | 29 | 660.3 |
| EE0011R | mm | | precip | 51.1 | 33.3 | 20.3 | 32.8 | 5.4 | 49.7 | 47.7 | 65 | 155.1 | 5 | 29.7 | 56.8 | 551.9 |
| FI0008R | mm | | precip | 15.4 | 23.7 | 5.8 | 14.7 | 15.2 | 20.4 | 130.4 | 69.4 | 39.7 | 11.3 | 23.5 | 11.7 | 381.2 |
| FI0009R | mm | | precip | 14.2 | 5 | 5.4 | 31.5 | 6.6 | 28.6 | 52.1 | 74.8 | 120.6 | 11.7 | 11 | 1.4 | 362.9 |
| FI0017R | mm | | precip | 27.9 | 22.8 | 13.7 | 65.6 | 47.2 | 54.6 | 80.5 | 45.4 | 128.9 | 58.8 | 24.3 | 12.5 | 582.2 |
| FI0022R | mm | | precip | 25.3 | 25.6 | 12 | 23.5 | 47.7 | 52.9 | 74.6 | 38.8 | 44.5 | 33.6 | 30.2 | 12.1 | 420.8 |
| FI0036R | mm | | precip | 15.4 | 27.3 | 7.7 | 34.6 | 43.1 | 47.9 | 108.5 | 89.3 | 36.8 | 46.6 | 39.2 | 17.7 | 514.1 |
| FI0053R | mm | | precip | 20.7 | 15.9 | 5.7 | 45.4 | 29.1 | 52.2 | 58.6 | 36.8 | 54.6 | 35.1 | 5.6 | 4.5 | 364.2 |
| FI0092R | mm | | precip | 29.3 | 48 | 24.2 | 15.5 | 33.9 | 34.4 | 72.8 | 49.4 | 51.2 | 93.2 | 40.3 | 18.7 | 510.9 |
| FI0093R | mm | | precip | 39 | 45.9 | 42.7 | 22.6 | 36.3 | 117.3 | 96.7 | 32.6 | 93.7 | 74.9 | 26.3 | 34.4 | 662.4 |
| FI0096R | mm | | precip | 13.5 | 10.8 | 2.4 | 24 | 15.8 | 28.6 | 74.7 | 59 | 17.1 | 18.9 | 10.2 | 0 | 275 |
| FR0090R | mm | | precip | 184 | 164 | 205 | 51 | 40 | 80 | 71 | 44 | 74 | 123 | 44 | 88 | 1168 |
| IE0001R | mm | | precip | 151.3 | 122.8 | 130.1 | 119 | 33.9 | 71.9 | 72.1 | 120.6 | 62.4 | 196.7 | 93.4 | 86.5 | 1260.7 |
| IE0002R | mm | | precip | 142.2 | 152.5 | 162.4 | 119.1 | 39.9 | 80.6 | 92.3 | 126.2 | 101 | 243 | 83.5 | 91.6 | 1434.3 |
| IS0002R | mm | | precip | 154.33 | 183.28 | 32.803 | 86.437 | 224.42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 681.27 |
| IS0090R | mm | | precip | 80.328 | 73.194 | 15.72 | 31.63 | 84.15 | 32.066 | 118.884 | 100.92 | 124.29 | 69.74 | 56.984 | 50.476 | 836.28 |
| LT0015R | mm | | precip | 39.136 | 38.723 | 25.373 | 35.23 | 14.694 | 105.666 | 93.867 | 51.704 | 129.079 | 58.721 | 96.051 | 35.957 | 725.163 |
| LV0010R | mm | | precip | 38.1 | 81 | 43 | 27.1 | 23.5 | 61.6 | 77.4 | 96 | 193.2 | 67.8 | 119.5 | 51.3 | 879.5 |
| LV0016R | mm | | precip | 25 | 49 | 26.1 | 126.2 | 53.7 | 97.4 | 77 | 59.6 | 52.7 | 80.1 | 90 | 46.2 | 783 |
| NL0009R | mm | | precip | 22.271 | 18.067 | 39.701 | 47.875 | 68.186 | 55.304 | 63.093 | 136.899 | 174.576 | 24.871 | 90.643 | 51.236 | 792.721 |
| NL0091R | mm | Hg | precip | 93.286 | 67.464 | 65.164 | 64.786 | 48.975 | 30.071 | 46.754 | 160.8 | 187.071 | 50.986 | 69.464 | 41.979 | 926.915 |
| NL0091R | mm | HM | precip | 59.043 | 62.686 | 55.986 | 66.271 | 34.757 | 32.471 | 39.3 | 133.429 | 141.843 | 27.143 | 82.729 | 61.257 | 797.083 |
| NO0001R | mm | | precip | 281.05 | 52.39 | 76.06 | 140.87 | 53.27 | 78.85 | 91.76 | 168.84 | 120.93 | 308.53 | 106.53 | 100.7 | 1579.78 |
| NO0039R | mm | | precip | 74.3 | 142.42 | 46.784 | 87.803 | 116.88 | 81.879 | 107.357 | 143.535 | 111.528 | 79.108 | 372.675 | 180.573 | 1544.842 |
| NO0041R | mm | | precip | 57.42 | 25.733 | 38.314 | 78.311 | 27.516 | 71.657 | 105.032 | 82.579 | 73.502 | 98.005 | 51.673 | 43.28 | 753.022 |
| NO0047R | mm | | precip | 14.714 | 20.223 | 21.688 | 22.774 | 14.013 | 26.529 | 80.445 | 42.453 | 25.574 | 48.917 | 15.477 | 23.407 | 356.214 |
| NO0055R | mm | | precip | 17.134 | 18.852 | 5.255 | 24.043 | 11.944 | 28.122 | 158.375 | 59.474 | 27.543 | 13.409 | 16.051 | 9.523 | 389.725 |
| NO0056R | mm | | precip | 119.141 | 35.637 | 48.535 | 106.943 | 49.459 | 76.178 | 74.651 | 149.875 | 126.912 | 132.612 | 41.784 | 44.331 | 1006.058 |
| NO0099R | mm | | precip | 171.14 | 55.67 | 52.24 | 82.25 | 21.88 | 53.22 | 62.64 | 116.78 | 103.98 | 186.4 | 72.89 | 231.24 | 1210.33 |
| PL0004R | mm | | precip | 31.100 | 59.900 | 35.300 | 47.800 | 23.700 | 118.000 | 47.000 | 68.800 | 178.900 | 38.800 | 80.300 | 57.000 | 786.6 |
| PL0005R | mm | | precip | -999.900 | -999.900 | -999.900 | -999.900 | 61.300 | 53.100 | 146.500 | 80.800 | 117.400 | 48.800 | -999.900 | -999.900 | -999.000 |
| PT0001R | mm | | precip | 199.1 | 107.5 | 309.1 | 15.9 | 56.2 | 4.3 | 37.7 | 9 | 19.8 | 127.5 | 3.2 | 9.2 | 898.5 |
| PT0003R | mm | | precip | 355.4 | 157.7 | 629.2 | 84.7 | 126.9 | 10.9 | 59.1 | 58.4 | 17.9 | 312.8 | 2.4 | 34.5 | 1849.9 |
| PT0004R | mm | | precip | 132 | 75.1 | 66.9 | 2.2 | 28 | 9.5 | 1 | 0 | 40.9 | 101.1 | 4.6 | 39.8 | 501.1 |
| PT0010R | mm | | precip | 158.957 | 74.014 | 128.2 | 43 | 195.686 | 95.271 | 21.343 | 41.486 | 143.386 | 54.614 | 25.414 | 243.3 | 1226.016 |
| SE0002R | mm | | precip | 60.1 | 28.1 | 27.1 | 42 | 71 | 48.8 | 47.4 | 75.5 | 70.5 | 38.3 | 40.7 | 29.5 | 579 |

| | | | jan | feb | mar | apr | may | june | jul | aug | sept | oct | nov | des | year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SE0005R | mm | precip | 18.464 | 33.457 | 29.229 | 68.506 | 25.065 | 36.857 | 121.914 | 76.171 | 81.621 | 104.064 | 79.714 | 30.552 | 705.674 |
| SE0005R | mm | precip | 11.1 | 13.8 | 9.8 | 34.7 | 27.8 | 48.7 | 102.9 | 109.8 | 99.6 | 46.3 | 38.3 | 6.8 | 549.6 |
| SE0011R | mm | precip | 9.3 | 18.3 | 19.9 | 47.5 | 35 | 54 | 65.9 | 102.9 | 28.1 | 46.1 | 41.5 | 31.1 | 499.6 |
| SE0051R | mm | precip | 39 | 55 | 58 | 45 | 23 | 33 | 38 | 78 | 114 | 19 | 211 | 48 | 761 |
| SE0097R | mm | precip | 63.724 | 63.026 | 62.321 | 57.129 | 32.8 | 49.231 | 54.943 | 94.326 | 72.038 | 36.362 | 36.663 | 53.438 | 676 |
| SK0002R | mm | precip | 66.8 | 83.6 | 98.9 | 97.4 | 43.6 | 179.6 | 259.5 | 99.3 | 173.4 | 24.3 | 97.7 | 88.6 | 1312.7 |
| SK0004R | mm | precip | 41.9 | 28.6 | 46.4 | 87.3 | 35.7 | 136.5 | 254.5 | 84.3 | 103.6 | 16.2 | 39.2 | 27.7 | 901.9 |
| SK0005R | mm | precip | 40.7 | 37.3 | 46.7 | 97 | 50.9 | 152.6 | 279.2 | 77.6 | 98.1 | 18.8 | 48.5 | 32.7 | 980.1 |
| SK0006R | mm | precip | 53 | 35.8 | 119.6 | 40.1 | 25.9 | 114.6 | 226.9 | 48.8 | 112.4 | 55.3 | 85.7 | 32 | 950.1 |
| SK0007R | mm | precip | 13.9 | 20.5 | 58.3 | 10.7 | 38.6 | 21.5 | 105 | 52.6 | 111 | 12.6 | 33.2 | 23.2 | 501.1 |

# Annex 6

# Monthly and annual mean values for heavy metals in air

| | | | jan | feb | mar | apr | may | june | jul | aug | sept | oct | nov | des | year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IS0091R | aluminium | aerosol | 138.590 | 808.400 | 413.874 | 235.450 | 439.584 | 423.750 | 79.681 | 234.884 | 77.400 | 638.713 | 120.600 | 119.971 | 309.385 |
| DE0001R | arsenic | pm10 | 1.480 | 0.880 | 0.815 | 1.507 | 1.001 | 1.215 | 1.270 | 0.506 | 0.210 | 0.927 | 0.467 | 0.447 | 0.866 |
| DE0002R | arsenic | pm10 | 0.472 | 0.848 | 1.487 | 0.443 | 0.492 | 0.247 | 0.553 | 0.922 | 0.523 | 2.419 | 0.697 | 1.335 | 0.886 |
| DE0007R | arsenic | pm10 | 1.461 | 0.452 | 2.090 | 1.933 | 1.561 | 1.430 | 1.701 | 2.120 | 1.077 | 0.971 | 1.173 | 0.506 | 1.404 |
| DE0009R | arsenic | pm10 | 2.437 | 0.591 | 0.914 | 0.543 | 0.640 | 0.587 | 0.849 | 0.684 | 0.833 | 0.244 | 0.090 | 0.552 | 0.747 |
| DK0003R | arsenic | aerosol | 1.069 | 0.672 | 1.167 | 0.575 | 0.506 | 0.397 | 0.071 | 0.026 | 0.471 | 0.684 | 0.594 | 0.974 | 0.615 |
| DK0005R | arsenic | aerosol | 1.463 | 0.686 | 0.854 | 0.361 | 0.258 | 0.382 | 0.244 | 0.471 | 0.555 | 0.928 | 0.408 | 0.989 | 0.643 |
| DK0008R | arsenic | aerosol | 0.699 | 0.464 | 0.741 | 0.351 | 0.202 | 0.290 | 0.167 | 0.253 | 0.332 | 0.807 | 0.215 | 0.497 | 0.420 |
| DK0010G | arsenic | aerosol | 0.239 | 0.094 | 0.130 | 0.158 | 0.035 | 0.018 | 0.017 | 0.021 | 0.050 | 0.013 | 0.042 | 0.151 | 0.081 |
| DK0011G | arsenic | aerosol | -9999.99 | -9999.99 | -9999.99 | -0.027 | 0.013 | -9999.99 | 0.007 | -0.008 | -0.005 | 0.013 | -9999.99 | -9999.99 | 0.001 |
| DK0031R | arsenic | aerosol | 0.859 | 0.406 | 0.618 | 0.319 | 0.187 | 0.146 | 0.206 | 0.227 | 0.246 | 0.445 | 0.122 | 0.327 | 0.343 |
| FI0036R | arsenic | aerosol | 0.258 | 1.383 | 0.767 | 0.148 | 0.269 | 0.369 | 0.068 | 0.069 | 0.110 | 0.080 | 0.156 | 0.265 | 0.320 |
| GB0014R | arsenic | aerosol | 0.400 | 0.400 | 0.400 | 0.210 | 0.287 | 0.200 | 0.200 | 0.500 | 0.300 | 0.490 | 0.400 | 0.307 | 0.341 |
| GB0090R | arsenic | aerosol | 0.400 | 1.064 | 0.600 | 0.300 | 0.300 | 0.393 | 0.400 | 0.574 | 0.600 | 1.314 | -9999.99 | 1.000 | 0.624 |
| GB0091R | arsenic | aerosol | 1.042 | 0.500 | 0.406 | 0.233 | 0.200 | 0.103 | 0.200 | 0.203 | 0.293 | 0.206 | 0.317 | 0.800 | 0.376 |
| IS0091R | arsenic | aerosol | 0.026 | 0.069 | 0.066 | 0.056 | 0.114 | 0.033 | 0.014 | 0.049 | 0.030 | 0.051 | 0.008 | 0.036 | 0.046 |
| NL0009R | arsenic | aerosol | 1.081 | 0.614 | 0.900 | 0.340 | 0.375 | 0.340 | 0.367 | 0.500 | 0.327 | 0.900 | 0.427 | 0.275 | 0.533 |
| NO0042G | arsenic | aerosol | 0.569 | 0.498 | 0.690 | 0.472 | 0.227 | 0.210 | 0.125 | 0.147 | 0.228 | 0.398 | 0.528 | 0.741 | 0.399 |
| NO0099R | arsenic | pm10_pm25 | 0.139 | 0.137 | 0.123 | 0.108 | 0.108 | 0.119 | 0.125 | 0.149 | 0.120 | 0.485 | 0.289 | 0.148 | 0.174 |
| NO0099R | arsenic | pm25 | 0.537 | 0.531 | 0.475 | 0.417 | 0.423 | 0.461 | 0.478 | 0.557 | 0.462 | 0.480 | 0.492 | 0.550 | 0.490 |
| AT0002R | cadmium | pm10 | 0.940 | 0.240 | 0.540 | 0.280 | 0.420 | 0.260 | 0.200 | 0.260 | 0.260 | 0.600 | 0.720 | 0.280 | 0.420 |
| AT0004R | cadmium | pm10 | 0.100 | 0.220 | 0.100 | 0.120 | 0.180 | 0.120 | 0.100 | 0.140 | 0.100 | 0.100 | 0.120 | 0.160 | 0.130 |
| AT0005R | cadmium | pm10 | 0.160 | 0.160 | 0.100 | 0.220 | 0.140 | 0.180 | 0.100 | 0.140 | 0.100 | 0.217 | 0.180 | 0.100 | 0.151 |
| BE0004R | cadmium | aerosol | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 |
| CZ0001R | cadmium | aerosol | 0.780 | 0.220 | 0.336 | 0.108 | 0.385 | 0.272 | 0.152 | 0.282 | 0.188 | 0.390 | 0.222 | 0.363 | 0.302 |
| CZ0003R | cadmium | aerosol | 0.553 | 0.280 | 0.208 | 0.134 | 0.317 | 0.244 | 0.202 | 0.544 | 0.154 | 0.372 | 0.284 | 0.350 | 0.308 |
| DE0001R | cadmium | pm10 | 0.380 | 0.115 | 0.180 | 0.208 | 0.030 | 0.033 | 0.050 | 0.108 | 0.115 | 0.334 | 0.179 | 0.127 | 0.159 |
| DE0002R | cadmium | pm10 | 0.111 | 0.150 | 0.245 | 0.154 | 0.108 | 0.068 | 0.131 | 0.184 | 0.143 | 0.626 | 0.182 | 0.331 | 0.207 |
| DE0003R | cadmium | pm10 | 0.135 | 0.126 | 0.083 | 0.043 | 0.111 | 0.060 | 0.210 | 0.179 | 0.079 | 0.070 | 0.027 | 0.078 | 0.097 |
| DE0004R | cadmium | pm10 | 0.100 | 0.085 | 0.097 | 0.079 | 0.145 | 0.114 | 0.146 | 0.171 | 0.183 | 0.200 | 0.146 | 0.186 | 0.138 |
| DE0005R | cadmium | pm10 | 0.174 | 0.126 | 0.078 | 0.108 | 0.186 | 0.087 | 0.090 | 0.098 | 0.082 | 0.091 | 0.100 | 0.116 | 0.111 |
| DE0007R | cadmium | pm10 | 0.298 | 0.090 | 0.362 | 0.193 | 0.171 | 0.092 | 0.122 | 0.154 | 0.216 | 0.377 | 0.321 | 0.408 | 0.234 |
| DE0008R | cadmium | pm10 | 0.314 | 0.153 | 0.267 | 0.075 | 0.171 | 0.152 | 0.186 | 0.091 | 0.050 | 0.077 | 0.030 | 0.132 | 0.142 |
| DE0009R | cadmium | pm10 | 0.183 | 0.106 | 0.321 | 0.113 | 0.160 | 0.030 | 0.097 | 0.095 | 0.103 | 0.385 | 0.114 | 0.215 | 0.160 |
| DK0003R | cadmium | aerosol | 0.396 | 0.226 | 0.335 | 0.138 | 0.108 | 0.044 | 0.004 | 0.007 | 0.080 | 0.219 | 0.103 | 0.219 | 0.161 |
| DK0005R | cadmium | aerosol | 0.386 | 0.135 | 0.230 | 0.117 | 0.113 | 0.038 | 0.043 | 0.159 | 0.104 | 0.385 | 0.170 | 0.092 | 0.168 |
| DK0008R | cadmium | aerosol | 0.235 | 0.160 | 0.208 | 0.094 | 0.059 | 0.122 | 0.116 | 0.157 | 0.108 | 0.147 | 0.191 | 0.180 | 0.147 |
| DK0031R | cadmium | aerosol | 0.462 | 0.101 | 0.119 | 0.154 | 0.054 | 0.053 | 0.136 | 0.129 | 0.053 | 0.163 | 0.050 | 0.072 | 0.130 |
| ES0008R | cadmium | pm10 | -9999.99 | -9999.99 | 0.100 | 0.055 | 0.112 | 0.044 | 0.022 | 0.190 | 0.240 | 0.248 | 0.133 | 0.200 | 0.138 |
| ES0009R | cadmium | pm10 | -9999.99 | -9999.99 | 0.052 | 0.049 | 0.020 | 0.035 | 0.033 | 0.110 | 0.105 | 0.160 | 0.063 | 0.085 | 0.074 |
| FI0036R | cadmium | aerosol | 0.055 | 0.170 | 0.112 | 0.027 | 0.020 | 0.050 | 0.016 | 0.017 | 0.040 | 0.007 | 0.024 | 0.054 | 0.048 |
| GB0014R | cadmium | aerosol | 0.101 | 0.100 | 0.100 | 0.007 | 0.100 | 0.100 | 0.971 | 0.200 | 0.200 | 0.290 | 0.200 | 0.107 | 0.208 |
| GB0090R | cadmium | aerosol | 0.000 | 0.418 | 0.200 | 0.100 | 0.100 | 0.100 | 0.190 | 0.287 | 0.217 | 0.438 | -9999.99 | 0.300 | 0.211 |
| GB0091R | cadmium | aerosol | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.003 | 0.100 | 0.100 | 0.100 | 0.113 | 0.293 | 0.100 | 0.068 |
| IS0091R | cadmium | aerosol | 0.018 | 0.026 | 0.024 | 0.039 | 0.081 | 0.010 | 0.005 | 0.164 | 0.007 | 0.028 | 0.006 | 0.020 | 0.036 |
| LT0015R | cadmium | aerosol | 0.203 | 0.251 | 0.228 | 0.197 | 0.194 | 0.175 | 0.157 | 0.166 | 0.212 | 0.257 | 0.232 | 0.271 | 0.211 |

| | | | jan | feb | mar | apr | may | june | jul | aug | sept | oct | nov | des | year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LV0010R | cadmium | aerosol | 0.858 | 0.783 | 0.508 | 0.548 | 0.319 | 0.249 | 0.630 | 0.471 | 0.379 | 0.331 | 0.219 | 0.415 | 0.479 |
| LV0016R | cadmium | aerosol | 0.305 | 0.295 | 0.256 | 0.290 | 0.106 | 0.078 | 0.122 | 0.234 | 0.266 | 0.266 | 0.122 | 0.180 | 0.215 |
| NL0009R | cadmium | aerosol | 0.363 | 0.150 | 0.254 | 0.087 | 0.069 | 0.080 | 0.093 | 0.100 | 0.093 | 0.240 | 0.120 | 0.075 | 0.143 |
| NO0042G | cadmium | aerosol | 0.015 | 0.024 | 0.044 | 0.028 | 0.012 | 0.013 | 0.001 | 0.004 | 0.001 | 0.003 | 0.011 | 0.039 | 0.016 |
| NO0099R | cadmium | pm10_pm25 | 0.024 | 0.017 | 0.016 | 0.005 | 0.004 | 0.007 | 0.009 | 0.006 | 0.000 | 0.014 | 0.004 | 0.015 | 0.011 |
| NO0099R | cadmium | pm25 | 0.100 | 0.064 | 0.115 | 0.057 | 0.044 | 0.036 | 0.017 | 0.021 | 0.017 | 0.072 | 0.030 | 0.068 | 0.055 |
| SK0002R | cadmium | aerosol | 0.027 | 0.011 | 0.034 | 0.017 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.010 |
| SK0004R | cadmium | aerosol | 0.400 | 0.362 | 0.293 | 0.036 | 0.036 | 0.052 | 0.022 | 0.032 | 0.007 | 0.021 | 0.025 | 0.050 | 0.108 |
| SK0005R | cadmium | aerosol | 0.539 | 0.493 | 0.339 | 0.057 | 0.039 | 0.049 | 0.135 | 0.038 | 0.005 | 0.013 | 0.005 | 0.050 | 0.149 |
| SK0006R | cadmium | aerosol | 0.712 | 0.413 | 0.220 | 0.005 | 0.005 | 0.005 | 0.008 | 0.005 | 0.005 | 0.016 | 0.005 | 0.014 | 0.080 |
| SK0007R | cadmium | aerosol | 0.913 | 0.384 | 0.307 | 0.013 | 0.022 | 0.008 | 0.012 | 0.027 | 0.021 | 0.029 | 0.026 | 0.012 | 0.124 |
| DK0003R | chromium | aerosol | 0.315 | 0.475 | 0.239 | 0.261 | 0.745 | -0.067 | 0.027 | 0.020 | 0.127 | 0.618 | 0.056 | 0.263 | 0.263 |
| DK0005R | chromium | aerosol | 0.759 | 0.526 | 0.173 | 0.419 | 0.295 | 0.391 | 0.232 | 0.306 | 0.229 | 0.863 | 0.272 | 0.816 | 0.446 |
| DK0008R | chromium | aerosol | 0.091 | 0.202 | 0.354 | 0.130 | 0.286 | 0.091 | 0.220 | 0.129 | 0.290 | 0.533 | -0.097 | 0.302 | 0.215 |
| DK0010G | chromium | aerosol | 0.033 | -0.010 | -0.018 | 0.141 | 0.101 | 0.058 | 0.048 | 0.038 | 0.207 | 0.021 | 0.036 | 0.060 | 0.059 |
| DK0011G | chromium | aerosol | -9999.99 | -9999.99 | -9999.99 | 0.026 | 0.244 | -9999.99 | 0.096 | 0.073 | 0.090 | 0.030 | -9999.99 | -9999.99 | 0.090 |
| DK0031R | chromium | aerosol | 0.414 | 0.539 | 0.206 | 0.000 | 0.074 | -0.176 | -0.006 | 0.136 | 0.339 | 0.650 | 0.087 | 0.094 | 0.194 |
| FI0036R | chromium | aerosol | 0.135 | 0.311 | 0.167 | 0.150 | 0.176 | 0.175 | 0.076 | 0.047 | 0.096 | 0.003 | 0.077 | 0.154 | 0.129 |
| GB0014R | chromium | aerosol | 1.024 | 1.392 | 1.080 | 0.888 | 0.926 | 0.900 | 1.897 | 1.180 | 0.680 | 1.563 | 0.840 | 0.868 | 1.104 |
| GB0090R | chromium | aerosol | 0.710 | 1.083 | 1.030 | 0.620 | 0.649 | 0.902 | 0.550 | 0.641 | 0.693 | 2.857 | -9999.99 | 0.820 | 0.949 |
| GB0091R | chromium | aerosol | 0.265 | 0.220 | 0.285 | 0.373 | 0.250 | 0.172 | 0.265 | 1.031 | 1.284 | 0.393 | 0.850 | 0.270 | 0.471 |
| IS0091R | chromium | aerosol | 11.066 | 3.935 | 3.269 | 3.035 | 10.351 | 7.730 | 4.745 | 7.522 | 8.760 | 5.692 | 2.175 | 8.755 | 6.460 |
| NO0042G | chromium | aerosol | 0.078 | 0.039 | 0.042 | 0.016 | 0.014 | 0.015 | 0.019 | 0.046 | 0.040 | 0.017 | 0.022 | 0.098 | 0.037 |
| NO0099R | chromium | pm10_pm25 | 0.360 | 0.357 | 0.320 | 0.469 | 0.283 | 0.309 | 1.118 | 0.517 | 0.728 | 0.943 | 0.630 | 1.611 | 0.638 |
| NO0099R | chromium | pm25 | 0.269 | 0.540 | 0.261 | 0.140 | 0.142 | 0.154 | 0.161 | 0.188 | 0.155 | 1.920 | 0.231 | 0.185 | 0.371 |
| SK0002R | chromium | aerosol | 1.372 | 2.181 | 2.188 | 2.592 | 0.404 | 0.158 | 0.163 | 0.739 | 0.243 | 0.471 | 1.141 | 2.929 | 1.099 |
| SK0004R | chromium | aerosol | 1.953 | 1.432 | 1.134 | 0.251 | 0.399 | 0.298 | 0.225 | 0.335 | 0.100 | 0.363 | 0.564 | 1.228 | 0.678 |
| SK0005R | chromium | aerosol | 2.005 | 2.527 | 2.367 | 4.469 | 1.348 | 0.395 | 1.342 | 0.772 | 0.258 | 0.833 | 1.718 | 3.149 | 1.642 |
| SK0006R | chromium | aerosol | 1.195 | 0.941 | 0.808 | 2.090 | 1.713 | 1.601 | 1.368 | 1.124 | 2.630 | 1.826 | 1.644 | 1.563 | 1.561 |
| SK0007R | chromium | aerosol | 4.459 | 1.960 | 1.724 | 4.055 | 4.476 | 3.208 | 3.075 | 3.275 | 3.496 | 4.217 | 4.754 | 4.250 | 3.569 |
| NO0042G | cobalt | aerosol | 0.009 | 0.003 | 0.015 | 0.010 | 0.008 | 0.005 | 0.003 | 0.012 | 0.006 | 0.003 | 0.008 | 0.016 | 0.008 |
| NO0099R | cobalt | pm10_pm25 | 0.016 | 0.018 | 0.019 | 0.008 | 0.015 | 0.002 | 0.008 | 0.011 | 0.000 | 0.007 | 0.023 | 0.009 | 0.012 |
| NO0099R | cobalt | pm25 | 0.050 | 0.015 | 0.027 | 0.006 | 0.016 | 0.012 | 0.005 | 0.006 | 0.006 | 0.047 | 0.002 | 0.011 | 0.018 |
| BE0004R | copper | aerosol | 41.000 | 34.000 | 38.839 | 33.200 | 33.968 | 35.933 | 33.097 | 33.968 | 34.000 | 33.032 | 33.000 | 36.871 | 35.101 |
| DE0001R | copper | pm10 | 4.286 | 3.888 | 0.885 | 1.800 | 0.485 | 0.675 | 0.584 | 1.661 | 4.050 | 4.089 | 2.183 | 2.263 | 2.267 |
| DE0002R | copper | pm10 | 4.955 | 2.476 | 3.143 | 2.260 | 2.176 | 1.193 | 2.640 | 3.854 | 2.630 | 6.131 | 3.587 | 2.831 | 3.171 |
| DE0003R | copper | pm10 | -9999.99 | -9999.99 | -9999.99 | 1.223 | 2.917 | 1.827 | 5.140 | 1.836 | 0.567 | 0.674 | 0.107 | 0.389 | 1.511 |
| DE0004R | copper | pm10 | 2.645 | 2.904 | 2.806 | 2.397 | 2.716 | 3.093 | 3.178 | 3.500 | 3.637 | 3.928 | 3.440 | 3.600 | 3.145 |
| DE0005R | copper | pm10 | 1.443 | 0.939 | 1.568 | 1.647 | 2.325 | 1.265 | 2.460 | 1.779 | 0.967 | 0.991 | 0.867 | 0.746 | 1.428 |
| DE0007R | copper | pm10 | 2.483 | 0.964 | 2.647 | 2.490 | 2.254 | 1.083 | 1.834 | 1.537 | 1.627 | 2.284 | 1.303 | 1.467 | 1.824 |
| DE0008R | copper | pm10 | 1.960 | 1.328 | 1.448 | 1.407 | 2.190 | 1.490 | 3.102 | 1.312 | 0.820 | 0.959 | 0.350 | 0.690 | 1.440 |
| DE0009R | copper | pm10 | 6.340 | 1.292 | 3.129 | 1.593 | 2.049 | 1.423 | 2.077 | 0.953 | 1.490 | 2.853 | 0.987 | 1.066 | 2.002 |
| DK0003R | copper | aerosol | 2.331 | 1.255 | 2.051 | 1.345 | 1.274 | 0.944 | 0.205 | 0.094 | 1.160 | 1.899 | 1.050 | 2.344 | 1.361 |
| DK0005R | copper | aerosol | 3.168 | 1.365 | 1.967 | 1.176 | 0.893 | 0.904 | 1.037 | 1.697 | 1.184 | 3.286 | 0.958 | 1.739 | 1.629 |
| DK0008R | copper | aerosol | 1.577 | 0.848 | 1.480 | 0.922 | 0.624 | 0.589 | 0.829 | 0.977 | 0.761 | 2.007 | 0.402 | 1.047 | 1.018 |

| | | | jan | feb | mar | apr | may | june | jul | aug | sept | oct | nov | des | year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DK0010G | copper | aerosol | 0.299 | 0.081 | 0.073 | 0.166 | 0.056 | 0.011 | -0.009 | 0.080 | 0.122 | 0.048 | 0.146 | 0.222 | 0.108 |
| DK0011G | copper | aerosol | -9999.99 | -9999.99 | -9999.99 | 0.129 | 2.340 | -9999.99 | 5.687 | 0.192 | 0.149 | 0.112 | -9999.99 | -9999.99 | 0.981 |
| DK0031R | copper | aerosol | 1.680 | 1.238 | 1.247 | 0.673 | 0.730 | 0.458 | 0.647 | 0.944 | 0.615 | 1.461 | 0.338 | 0.615 | 0.888 |
| ES0008R | copper | pm10 | -9999.99 | -9999.99 | -9999.99 | 8.675 | 81.000 | 41.250 | 31.000 | 29.000 | 49.375 | 64.175 | 21.700 | 19.450 | 37.842 |
| ES0009R | copper | pm10 | -9999.99 | -9999.99 | -9999.99 | 8.322 | 25.000 | 20.250 | 105.667 | 29.250 | 39.175 | 31.550 | 12.900 | 40.875 | 33.588 |
| FI0036R | copper | aerosol | 0.316 | 1.229 | 1.210 | 0.422 | 0.395 | 1.322 | 0.208 | 0.199 | 0.254 | 0.115 | 0.154 | 0.479 | 0.517 |
| GB0014R | copper | aerosol | 1.239 | 1.568 | 1.300 | 2.417 | 1.187 | 1.100 | 1.971 | 1.900 | 1.200 | 2.094 | 1.100 | 6.793 | 1.985 |
| GB0090R | copper | aerosol | 1.900 | 3.561 | 2.400 | 1.200 | 1.200 | 2.133 | 1.839 | 2.235 | 1.967 | 4.121 | -9999.99 | 2.100 | 2.223 |
| GB0091R | copper | aerosol | 0.952 | 0.500 | 0.874 | 0.650 | 0.900 | 0.500 | 0.506 | 0.703 | 0.833 | 1.261 | 0.700 | 0.700 | 0.760 |
| IS0091R | copper | aerosol | 0.446 | 0.725 | 0.614 | 0.375 | 0.908 | 0.530 | 0.185 | 0.622 | 0.280 | 0.721 | 0.335 | 0.443 | 0.517 |
| LT0015R | copper | aerosol | 1.594 | 1.871 | 1.484 | 1.713 | 2.736 | 1.911 | 2.101 | 1.421 | 1.551 | 2.263 | 1.656 | 1.796 | 1.843 |
| LV0010R | copper | aerosol | 1.715 | 2.437 | 2.532 | 1.973 | 1.707 | 2.020 | 2.411 | 1.331 | 3.593 | 4.749 | 0.824 | 0.893 | 2.174 |
| LV0016R | copper | aerosol | 0.526 | 0.826 | 1.214 | 1.263 | 0.809 | 0.955 | 0.587 | 0.698 | 4.461 | 2.687 | 1.058 | 0.662 | 1.325 |
| NO0042G | copper | aerosol | 0.314 | 0.220 | 0.388 | 0.351 | 0.500 | 0.310 | 0.188 | 0.212 | 0.242 | 0.194 | 0.321 | 0.522 | 0.314 |
| NO0099R | copper | pm10_pm25 | 0.314 | 0.463 | 0.472 | 0.257 | 0.453 | 0.237 | 0.314 | 0.358 | 0.120 | 0.353 | 0.165 | 0.248 | 0.319 |
| NO0099R | copper | pm25 | 0.442 | 0.610 | 0.686 | 0.201 | 0.251 | 0.221 | 0.121 | 0.162 | 0.081 | 0.483 | 0.193 | 0.352 | 0.323 |
| SK0002R | copper | aerosol | 0.948 | 0.922 | 0.807 | 0.956 | 1.074 | 1.458 | 1.130 | 1.729 | 0.577 | 0.448 | 0.227 | 0.675 | 0.916 |
| SK0004R | copper | aerosol | 3.791 | 2.770 | 4.542 | 1.907 | 1.751 | 1.618 | 1.801 | 2.390 | 1.580 | 2.536 | 2.254 | 4.325 | 2.607 |
| SK0005R | copper | aerosol | 5.754 | 12.132 | 17.692 | 18.097 | 17.378 | 7.790 | 6.997 | 14.781 | 20.752 | 15.483 | 23.269 | 25.642 | 15.253 |
| SK0006R | copper | aerosol | 3.010 | 6.009 | 2.608 | 3.460 | 3.510 | 5.072 | 3.835 | 4.392 | 2.094 | 2.982 | 2.394 | 3.380 | 3.604 |
| SK0007R | copper | aerosol | 5.581 | 3.718 | 3.250 | 3.633 | 3.479 | 4.619 | 3.400 | 5.343 | 5.422 | 5.246 | 4.447 | 4.096 | 4.344 |
| DE0002R | iron | pm10 | 144.857 | 98.560 | 74.500 | 94.667 | 141.536 | 52.000 | 95.286 | 140.821 | 70.000 | 161.526 | 75.667 | 69.929 | 100.312 |
| DE0004R | iron | pm10 | 89.500 | 124.280 | 102.036 | 4.333 | 36.643 | 4.000 | 63.107 | 150.607 | 86.667 | 114.179 | 38.667 | 40.321 | 71.170 |
| DK0003R | iron | aerosol | 71.079 | 46.374 | 86.697 | 82.139 | 214.282 | 96.401 | 49.168 | 6.980 | 40.248 | 103.372 | 32.670 | 39.780 | 74.819 |
| DK0005R | iron | aerosol | 82.269 | 40.893 | 68.134 | 60.243 | 101.613 | 52.942 | 72.370 | 82.112 | 39.034 | 172.511 | 25.705 | 37.732 | 70.010 |
| DK0008R | iron | aerosol | 45.680 | 32.183 | 56.145 | 46.888 | 72.641 | 38.008 | 60.214 | 46.377 | 33.129 | 79.766 | 13.877 | 23.801 | 46.680 |
| DK0031R | iron | aerosol | 49.241 | 33.744 | 52.800 | 45.898 | 88.238 | 34.393 | 62.898 | 55.486 | 27.329 | 76.806 | 11.341 | 17.240 | 46.569 |
| FI0036R | iron | aerosol | 19.646 | 28.684 | 28.422 | 28.004 | 36.729 | 42.965 | 22.972 | 22.486 | 28.299 | 9.845 | 12.262 | 23.722 | 25.284 |
| IS0091R | iron | aerosol | 246.819 | 682.300 | 406.797 | 231.950 | 648.352 | 330.300 | 81.042 | 368.565 | 115.300 | 423.432 | 66.250 | 123.458 | 311.675 |
| AT0002R | lead | pm10 | 33.800 | 9.640 | 15.480 | 10.320 | 14.780 | 8.840 | 5.120 | 9.020 | 8.740 | 23.333 | 21.320 | 12.500 | 14.554 |
| AT0004R | lead | pm10 | 1.820 | 3.680 | 2.600 | 3.240 | 7.520 | 2.640 | 2.220 | 3.860 | 1.000 | 3.033 | 3.950 | 1.000 | 3.177 |
| AT0005R | lead | pm10 | 4.980 | 5.360 | 5.880 | 9.260 | 7.080 | 7.100 | 6.120 | 6.180 | 2.440 | 7.667 | 5.300 | 1.360 | 5.759 |
| BE0004R | lead | aerosol | 43.000 | 25.000 | 26.935 | 21.200 | 22.935 | 22.033 | 21.032 | 21.968 | 24.900 | 25.000 | 20.167 | 20.968 | 24.609 |
| CZ0001R | lead | aerosol | 20.720 | 6.847 | 6.698 | 3.548 | 4.282 | 4.584 | 4.810 | 10.610 | 6.924 | 9.432 | 7.400 | 8.507 | 7.587 |
| CZ0003R | lead | aerosol | 13.902 | 5.897 | 7.110 | 2.498 | 4.518 | 3.604 | 2.770 | 4.012 | 2.632 | 6.294 | 6.096 | 8.407 | 5.714 |
| DE0001R | lead | pm10 | 10.815 | 10.979 | 10.205 | 7.683 | 1.279 | 1.360 | 1.821 | 5.722 | 6.663 | 15.334 | 9.363 | 7.107 | 7.403 |
| DE0002R | lead | pm10 | 8.223 | 9.086 | 13.009 | 5.753 | 3.939 | 2.353 | 4.128 | 5.521 | 4.583 | 16.848 | 6.680 | 12.912 | 7.764 |
| DE0003R | lead | pm10 | 7.433 | 9.242 | 7.377 | 0.160 | 2.163 | 1.207 | 9.402 | 2.747 | 2.310 | 1.910 | 0.173 | 1.459 | 3.625 |
| DE0004R | lead | pm10 | 8.033 | 10.563 | 8.688 | 7.480 | 8.640 | 7.687 | 7.424 | 11.378 | 11.603 | 14.559 | 10.830 | 10.505 | 9.780 |
| DE0005R | lead | pm10 | 2.917 | 4.405 | 4.876 | 3.080 | 7.166 | 3.323 | 3.556 | 4.463 | 4.543 | 5.363 | 5.557 | 5.955 | 4.655 |
| DE0007R | lead | pm10 | 18.806 | 6.921 | 19.808 | 7.613 | 4.153 | 2.503 | 3.226 | 5.491 | 9.657 | 14.010 | 12.870 | 13.908 | 9.714 |
| DE0008R | lead | pm10 | 16.636 | 8.625 | 13.886 | 2.673 | 6.295 | 3.957 | 4.226 | 3.373 | 2.250 | 5.015 | 3.710 | 7.023 | 6.493 |
| DE0009R | lead | pm10 | 26.330 | 9.024 | 19.460 | 5.340 | 2.550 | 1.073 | 2.874 | 3.199 | 4.270 | 15.471 | 5.903 | 9.999 | 8.297 |
| DK0003R | lead | aerosol | 13.551 | 4.959 | 8.175 | 5.100 | 2.550 | 2.739 | 0.386 | 0.216 | 3.813 | 7.837 | 2.725 | 6.651 | 5.024 |
| DK0005R | lead | aerosol | 18.474 | 6.079 | 9.062 | 4.730 | 2.694 | 2.897 | 4.064 | 5.013 | 4.175 | 12.929 | 3.290 | 6.501 | 6.712 |
| DK0008R | lead | aerosol | 10.462 | 4.086 | 7.873 | 4.442 | 1.805 | 2.220 | 2.476 | 3.196 | 3.025 | 7.747 | 1.075 | 4.625 | 4.482 |

| | | | jan | feb | mar | apr | may | june | jul | aug | sept | oct | nov | des | year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DK0010G | lead | aerosol | 1.589 | 0.591 | 0.917 | 1.217 | 0.310 | 0.098 | 0.018 | 0.045 | 0.087 | 0.110 | 0.319 | 1.440 | 0.561 |
| DK0011G | lead | aerosol | -9999.99 | -9999.99 | -9999.99 | 0.435 | 0.668 | -9999.99 | 0.297 | 0.439 | 0.338 | 0.279 | -9999.99 | -9999.99 | 0.396 |
| DK0031R | lead | aerosol | 11.610 | 4.361 | 5.925 | 3.866 | 1.642 | 1.798 | 2.509 | 2.982 | 2.770 | 6.748 | 2.153 | 3.414 | 4.163 |
| ES0008R | lead | pm10 | -9999.99 | -9999.99 | 4.225 | 2.775 | 7.033 | 2.400 | 5.133 | 11.575 | 13.677 | 13.438 | 8.200 | 14.810 | 8.451 |
| ES0009R | lead | pm10 | -9999.99 | -9999.99 | 1.850 | 1.875 | 4.467 | 4.725 | 3.733 | 6.550 | 6.037 | 7.850 | 6.760 | 6.927 | 5.085 |
| FI0036R | lead | aerosol | 1.473 | 5.358 | 3.116 | 0.753 | 0.559 | 1.394 | 0.468 | 0.488 | 1.032 | 0.216 | 0.728 | 1.536 | 1.391 |
| GB0014R | lead | aerosol | 5.445 | 6.671 | 5.600 | 3.277 | 3.255 | 4.300 | 3.623 | 8.400 | 3.600 | 10.055 | 5.900 | 5.713 | 5.490 |
| GB0090R | lead | aerosol | 6.400 | 16.993 | 8.600 | 3.600 | 3.890 | 5.207 | 4.487 | 7.623 | 6.267 | 14.545 | -9999.99 | 12.200 | 8.063 |
| GB0091R | lead | aerosol | 3.135 | 1.600 | 2.348 | 1.733 | 1.700 | 1.013 | 1.394 | 1.239 | 2.473 | 3.513 | 3.723 | 4.400 | 2.364 |
| IS0091R | lead | aerosol | 0.349 | 0.250 | 0.484 | 0.420 | 0.513 | 0.240 | 0.120 | 0.497 | 0.150 | 0.411 | 0.180 | 0.682 | 0.360 |
| LT0015R | lead | aerosol | 8.177 | 7.843 | 5.535 | 5.570 | 7.490 | 6.893 | 6.503 | 4.990 | 6.117 | 7.042 | 5.303 | 6.623 | 6.502 |
| LV0010R | lead | aerosol | 8.979 | 14.386 | 7.530 | 7.336 | 7.851 | 8.739 | 12.794 | 7.402 | 5.744 | 4.949 | 2.683 | 9.768 | 8.156 |
| LV0016R | lead | aerosol | 3.192 | 5.118 | 3.763 | 3.739 | 1.539 | 1.375 | 2.412 | 2.049 | 2.598 | 2.705 | 1.410 | 3.860 | 2.872 |
| NL0009R | lead | aerosol | 16.294 | 7.457 | 10.685 | 3.933 | 4.344 | 5.080 | 4.407 | 7.075 | 4.707 | 11.373 | 5.747 | 4.913 | 7.149 |
| NO0042G | lead | aerosol | 0.558 | 0.772 | 1.467 | 0.867 | 0.332 | 0.376 | 0.051 | 0.125 | 0.042 | 0.081 | 0.340 | 1.254 | 0.504 |
| NO0099R | lead | pm10_pm25 | 0.566 | 0.585 | 0.553 | 0.385 | 0.564 | 0.231 | 0.321 | 0.342 | 0.066 | 0.517 | 0.443 | 0.645 | 0.443 |
| NO0099R | lead | pm25 | 2.941 | 2.382 | 3.712 | 1.852 | 1.311 | 1.474 | 0.778 | 0.867 | 0.527 | 2.745 | 1.515 | 3.349 | 1.976 |
| SK0002R | lead | aerosol | 1.055 | 1.670 | 1.996 | 4.169 | 4.656 | 2.771 | 3.471 | 7.039 | 1.512 | 2.022 | 0.703 | 1.095 | 2.861 |
| SK0004R | lead | aerosol | 11.912 | 7.528 | 10.629 | 7.864 | 6.660 | 5.847 | 4.942 | 7.905 | 5.259 | 9.039 | 6.497 | 10.069 | 7.799 |
| SK0005R | lead | aerosol | 14.390 | 11.764 | 12.479 | 10.405 | 9.054 | 6.653 | 6.460 | 12.454 | 6.356 | 11.564 | 9.020 | 16.486 | 10.463 |
| SK0006R | lead | aerosol | 24.300 | 13.834 | 7.592 | 9.675 | 8.703 | 5.546 | 9.137 | 10.345 | 9.698 | 22.297 | 12.449 | 20.276 | 11.875 |
| SK0007R | lead | aerosol | 31.354 | 13.302 | 10.423 | 11.968 | 12.285 | 6.134 | 25.039 | 15.712 | 12.390 | 23.052 | 15.985 | 23.863 | 16.529 |
| DE0001R | manganese | pm10 | 4.229 | 3.124 | 1.561 | 2.270 | 0.665 | 0.440 | 0.895 | 2.869 | 4.780 | 6.154 | 3.250 | 2.384 | 2.779 |
| DE0002R | manganese | pm10 | 3.736 | 2.494 | 3.498 | 1.800 | 3.464 | 0.520 | 1.461 | 3.077 | 0.633 | 3.901 | 0.783 | 1.259 | 2.232 |
| DE0003R | manganese | pm10 | 4.081 | 5.390 | 3.871 | 0.060 | 1.649 | 0.953 | 5.386 | 1.490 | 0.723 | 3.621 | 0.063 | 0.262 | 2.203 |
| DE0004R | manganese | pm10 | 4.105 | 5.631 | 5.937 | 2.537 | 5.561 | 4.437 | 4.717 | 6.892 | 5.547 | 6.355 | 3.927 | 4.381 | 5.007 |
| DE0005R | manganese | pm10 | 2.612 | 1.973 | 3.266 | 1.727 | 4.384 | 2.083 | 2.353 | 2.119 | 1.203 | 0.749 | 1.733 | 2.355 | 2.263 |
| DE0007R | manganese | pm10 | 0.981 | 1.036 | 3.919 | 2.517 | 4.206 | 1.830 | 2.953 | 2.177 | 2.890 | 4.039 | 1.930 | 1.740 | 2.578 |
| DE0008R | manganese | pm10 | 3.228 | 2.034 | 2.902 | 1.007 | 4.652 | 2.617 | 3.710 | 5.019 | 0.653 | 3.435 | 1.697 | 2.049 | 2.772 |
| DE0009R | manganese | pm10 | 6.820 | 3.107 | 6.101 | 2.970 | 4.562 | 2.507 | 3.585 | 2.261 | 2.390 | 6.167 | 3.430 | 1.790 | 3.732 |
| DK0003R | manganese | aerosol | 3.165 | 2.335 | 4.096 | 3.378 | 7.588 | 3.413 | 1.580 | 0.273 | 1.758 | 3.450 | 2.032 | 2.057 | 3.018 |
| DK0005R | manganese | aerosol | 2.955 | 1.548 | 2.426 | 1.907 | 3.223 | 1.865 | 2.490 | 2.835 | 1.511 | 4.322 | 1.018 | 1.479 | 2.298 |
| DK0008R | manganese | aerosol | 2.033 | 1.800 | 2.349 | 1.650 | 2.424 | 1.517 | 2.267 | 1.959 | 1.641 | 2.584 | 0.734 | 1.513 | 1.897 |
| DK0010G | manganese | aerosol | 0.682 | 0.259 | 0.437 | 0.941 | 0.701 | 0.390 | 0.253 | 0.260 | 1.267 | 0.279 | 0.349 | 0.414 | 0.516 |
| DK0011G | manganese | aerosol | -9999.99 | -9999.99 | -9999.99 | 0.076 | 1.252 | -9999.99 | 0.558 | 0.653 | 0.472 | 0.412 | -9999.99 | -9999.99 | 0.601 |
| DK0031R | manganese | aerosol | 2.420 | 1.759 | 2.148 | 1.700 | 2.749 | 1.229 | 2.006 | 1.834 | 1.362 | 2.398 | 0.626 | 1.329 | 1.801 |
| FI0036R | manganese | aerosol | 0.493 | 1.471 | 0.975 | 0.570 | 0.661 | 1.224 | 0.717 | 0.626 | 1.103 | 0.172 | 0.273 | 0.659 | 0.740 |
| IS0091R | manganese | aerosol | 3.554 | 12.155 | 7.452 | 4.425 | 10.738 | 5.770 | 1.510 | 6.160 | 2.205 | 7.624 | 1.150 | 2.315 | 5.421 |
| NO0042G | manganese | aerosol | 0.156 | 0.195 | 0.552 | 0.414 | 0.282 | 0.116 | 0.071 | 0.267 | 0.178 | 0.053 | 0.144 | 0.434 | 0.235 |
| SK0002R | manganese | aerosol | 0.538 | 0.737 | 0.735 | 1.494 | 2.496 | 1.483 | 1.408 | 2.958 | 0.388 | 1.592 | 1.263 | 0.868 | 1.406 |
| SK0004R | manganese | aerosol | 5.052 | 4.950 | 3.319 | 3.240 | 5.592 | 2.914 | 3.935 | 5.217 | 2.458 | 5.972 | 4.009 | 3.378 | 4.157 |
| SK0005R | manganese | aerosol | 18.481 | 20.569 | 14.580 | 11.075 | 11.482 | 7.951 | 12.202 | 25.958 | 18.454 | 35.913 | 27.428 | 41.184 | 20.173 |
| SK0006R | manganese | aerosol | 2.632 | 5.063 | 3.052 | 4.410 | 7.489 | 3.253 | 3.906 | 4.563 | 2.628 | 5.673 | 4.882 | 7.383 | 4.627 |
| SK0007R | manganese | aerosol | 6.989 | 4.487 | 4.407 | 9.349 | 11.239 | 8.676 | 7.392 | 10.279 | 6.258 | 10.393 | 6.501 | 5.602 | 7.730 |

| | | | jan | feb | mar | apr | may | june | jul | aug | sept | oct | nov | des | year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DK0010G | mercury | air | -9999.99 | 1.638 | 1.271 | 1.394 | 0.837 | 1.204 | 1.710 | 1.536 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 1.352 |
| DK0011G | mercury | air | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | 1.374 | 1.420 | 1.318 | |
| DK0015G | mercury | air | 1.754 | 1.506 | 1.618 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | |
| FI0096R | mercury | air+aerosol | 1.525 | 1.425 | 1.478 | 1.487 | 1.333 | 1.289 | 1.250 | 1.100 | 1.133 | 1.157 | 1.375 | 1.444 | 1.319 |
| IS0091R | mercury | aerosol | 2.091 | 5.150 | 3.755 | 2.700 | 6.955 | 5.700 | 5.932 | 4.471 | 3.750 | 4.219 | 5.000 | 7.771 | 4.783 |
| NO0042G | mercury | aerosol | 0.950 | 1.265 | 5.418 | 3.220 | 2.102 | 0.936 | 1.213 | 1.295 | 0.869 | 0.375 | 0.533 | 1.579 | 1.623 |
| NO0042G | mercury | air | 1.718 | 1.664 | 1.452 | 1.350 | 1.634 | 1.524 | 1.652 | 1.597 | 1.438 | 1.504 | 1.602 | 1.614 | 1.561 |
| NO0099R | mercury | air | -9999.99 | 1.695 | 1.730 | 1.645 | 1.470 | 1.580 | 1.733 | -9999.99 | 1.780 | -9999.99 | 1.430 | 1.593 | 1.645 |
| NO0042G | reactive_gaseous_mercury | air | -9999.99 | -9999.99 | -9999.99 | 5.986 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | -9999.99 | |
| SE0002R | mercury | air+aerosol | 1.478 | 1.537 | 1.767 | 1.837 | 1.800 | 1.589 | 1.512 | 1.600 | 1.544 | 1.756 | 1.712 | 1.745 | 1.659 |
| | | | | | | | | | | | | | | | |
| BE0004R | nickel | aerosol | 14.000 | 11.000 | 11.968 | 10.067 | 14.839 | 10.167 | 12.903 | 12.032 | 10.067 | 10.000 | 10.967 | 14.871 | 11.940 |
| DE0001R | nickel | pm10 | 2.055 | 2.016 | 2.074 | 1.777 | 1.130 | 1.820 | 1.329 | 1.342 | 1.047 | 2.236 | 0.897 | 0.668 | 1.505 |
| DE0002R | nickel | pm10 | 1.855 | 2.397 | 1.591 | 1.390 | 1.664 | 1.030 | 1.318 | 0.442 | 0.480 | 0.750 | 0.680 | 1.043 | 1.213 |
| DE0003R | nickel | pm10 | 1.157 | 1.545 | 1.271 | 0.453 | 0.592 | 0.443 | 1.185 | 0.292 | 0.613 | 0.659 | 0.173 | 0.282 | 0.686 |
| DE0004R | nickel | pm10 | 0.660 | 1.339 | 1.300 | 0.447 | 0.811 | 0.653 | 0.895 | 0.860 | 0.770 | 0.604 | 0.590 | 0.804 | 0.813 |
| DE0005R | nickel | pm10 | 1.797 | 1.206 | 1.523 | 0.160 | 0.204 | 0.433 | 0.787 | 0.373 | 0.520 | 0.308 | 0.497 | 0.118 | 0.659 |
| DE0007R | nickel | pm10 | 1.314 | 1.233 | 2.035 | 0.503 | 1.063 | 0.200 | 1.013 | 1.358 | 0.580 | 1.194 | 1.030 | 1.202 | 1.058 |
| DE0008R | nickel | pm10 | 1.417 | 0.673 | 1.199 | 0.613 | 1.615 | 0.923 | 1.593 | 1.317 | 0.653 | 0.436 | 0.453 | 1.527 | 1.025 |
| DE0009R | nickel | pm10 | 2.697 | 2.117 | 2.637 | 1.753 | 2.940 | 1.703 | 2.092 | 1.259 | 0.663 | 1.300 | 0.930 | 0.901 | 1.752 |
| DK0003R | nickel | aerosol | 1.726 | 1.151 | 1.585 | 3.303 | 1.091 | 1.026 | 0.207 | 0.078 | 0.572 | 1.551 | 0.387 | 1.009 | 1.170 |
| DK0005R | nickel | aerosol | 1.740 | 1.374 | 2.023 | 2.207 | 2.208 | 1.460 | 2.443 | 2.866 | 1.419 | 2.603 | 0.979 | 1.251 | 1.860 |
| DK0008R | nickel | aerosol | 1.766 | 1.378 | 1.832 | 2.043 | 2.069 | 1.415 | 1.990 | 1.574 | 0.895 | 1.818 | 0.525 | 1.421 | 1.581 |
| DK0010G | nickel | aerosol | 0.156 | 0.040 | 0.044 | 0.110 | 0.087 | 0.070 | 0.042 | 0.056 | 0.095 | 0.035 | 0.067 | 7.294 | 0.673 |
| DK0011G | nickel | aerosol | -9999.99 | -9999.99 | -9999.99 | 0.074 | 3.275 | -9999.99 | 2.405 | 0.044 | 0.046 | 0.045 | -9999.99 | -9999.99 | 0.704 |
| DK0031R | nickel | aerosol | 1.134 | 1.397 | 1.451 | 1.021 | 1.678 | 1.173 | 0.966 | 1.024 | 0.565 | 1.296 | 0.265 | 0.579 | 1.046 |
| FI0036R | nickel | aerosol | 0.422 | 1.399 | 1.208 | 0.498 | 0.337 | 1.187 | 0.138 | 0.129 | 0.173 | 0.099 | 0.196 | 0.604 | 0.521 |
| GB0014R | nickel | aerosol | 1.181 | 1.680 | 1.100 | 0.773 | 1.083 | 0.970 | 1.522 | 1.460 | 1.040 | 1.429 | 0.580 | 0.972 | 1.149 |
| GB0090R | nickel | aerosol | 1.140 | 4.147 | 2.770 | 1.250 | 2.266 | 2.412 | 1.914 | 2.548 | 1.517 | 3.312 | -9999.99 | 1.760 | 2.259 |
| GB0091R | nickel | aerosol | 0.520 | 0.330 | 0.508 | 0.528 | 0.430 | 0.388 | 0.339 | 0.619 | 0.589 | 0.553 | 0.306 | 0.470 | 0.466 |
| IS0091R | nickel | aerosol | 6.216 | 2.645 | 1.986 | 1.965 | 5.554 | 4.460 | 2.824 | 4.141 | 4.675 | 3.636 | 1.330 | 4.736 | 3.701 |
| LV0010R | nickel | aerosol | 1.483 | 0.810 | 1.133 | 1.554 | 5.855 | 3.540 | 1.565 | 1.506 | 2.150 | 2.413 | 0.874 | 1.448 | 2.118 |
| LV0016R | nickel | aerosol | 0.825 | 0.390 | 0.674 | 1.644 | 8.115 | 2.632 | 0.502 | 0.752 | 0.311 | 1.899 | 0.633 | 0.893 | 1.790 |
| NO0042G | nickel | aerosol | 0.081 | 0.090 | 0.158 | 0.074 | 0.087 | 0.146 | 0.041 | 0.046 | 0.024 | 0.019 | 0.072 | 0.133 | 0.078 |
| NO0099R | nickel | pm10_pm25 | 0.140 | 0.169 | 0.205 | 0.106 | 0.162 | 0.123 | 0.123 | 0.184 | 0.071 | 0.133 | 0.040 | 0.060 | 0.128 |
| NO0099R | nickel | pm25 | 0.585 | 0.550 | 1.050 | 0.505 | 0.822 | 0.701 | 0.415 | 0.459 | 0.220 | 1.369 | 0.165 | 0.351 | 0.617 |
| SK0002R | nickel | aerosol | 0.897 | 0.945 | 0.966 | 2.012 | 0.334 | 0.107 | 0.394 | 0.438 | 0.390 | 0.129 | 0.278 | 1.022 | 0.606 |
| SK0004R | nickel | aerosol | 0.459 | 0.881 | 0.706 | 1.332 | 1.229 | 0.357 | 0.337 | 0.413 | 0.219 | 0.484 | 0.443 | 0.735 | 0.645 |
| SK0005R | nickel | aerosol | 1.235 | 1.104 | 1.126 | 2.768 | 0.528 | 0.291 | 0.640 | 0.646 | 0.198 | 0.440 | 0.758 | 4.391 | 1.075 |
| SK0006R | nickel | aerosol | 0.671 | 0.379 | 0.431 | 1.826 | 1.623 | 1.362 | 1.308 | 1.015 | 1.634 | 1.149 | 1.289 | 1.472 | 1.204 |
| SK0007R | nickel | aerosol | 4.376 | 7.936 | 1.739 | 3.243 | 2.275 | 1.603 | 2.184 | 2.093 | 2.256 | 2.743 | 3.775 | 3.048 | 3.135 |
| | | | | | | | | | | | | | | | |
| GB0014R | titanium | aerosol | 2.084 | 3.650 | 2.400 | 4.500 | 6.355 | 4.700 | 5.861 | 3.400 | 1.300 | 3.084 | 2.000 | 2.187 | 3.466 |
| GB0090R | titanium | aerosol | 2.400 | 5.471 | 3.300 | 3.200 | 6.200 | 5.553 | 2.519 | 2.984 | 4.850 | 16.700 | -9999.99 | 1.900 | 4.946 |
| GB0091R | titanium | aerosol | 1.190 | 1.100 | 2.035 | 3.767 | 7.800 | 3.443 | 1.868 | 4.071 | 8.673 | 1.494 | 4.213 | 1.700 | 3.448 |

| | | | jan | feb | mar | apr | may | june | jul | aug | sept | oct | nov | des | year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FI0036R | vanadium | aerosol | 0.649 | 1.710 | 1.328 | 0.404 | 0.195 | 0.423 | 0.200 | 0.194 | 0.332 | 0.087 | 0.264 | 0.751 | 0.532 |
| IS0091R | vanadium | aerosol | 0.657 | 2.665 | 1.767 | 0.990 | 2.081 | 1.020 | 0.451 | 1.224 | 0.485 | 1.495 | 0.305 | 0.574 | 1.140 |
| NO0042G | vanadium | aerosol | 0.227 | 0.226 | 0.269 | 0.121 | 0.040 | 0.079 | 0.061 | 0.043 | 0.030 | 0.022 | 0.104 | 0.212 | 0.116 |
| NO0099R | vanadium | pm10_pm25 | 1.387 | 1.371 | 1.228 | 1.077 | 1.090 | 1.190 | 1.235 | 1.501 | 1.194 | 4.560 | 2.653 | 1.421 | 1.685 |
| NO0099R | vanadium | pm25 | 7.634 | 17.427 | 6.241 | 4.411 | 4.461 | 4.869 | 5.051 | 5.888 | 4.889 | 5.071 | 5.203 | 5.815 | 6.399 |
| BE0004R | zinc | aerosol | 80.000 | 40.000 | 52.581 | 28.833 | 44.452 | 35.333 | 37.903 | 28.323 | 31.867 | 54.258 | 33.733 | 36.871 | 42.120 |
| DK0003R | zinc | aerosol | 27.118 | 11.995 | 20.338 | 13.354 | 8.860 | 8.215 | 1.364 | 0.741 | 8.932 | 17.383 | 8.868 | 17.033 | 12.328 |
| DK0005R | zinc | aerosol | 29.918 | 13.062 | 18.141 | 12.097 | 7.448 | 7.082 | 9.849 | 10.861 | 9.315 | 27.989 | 7.069 | 12.001 | 13.838 |
| DK0008R | zinc | aerosol | 17.612 | 9.649 | 15.771 | 10.171 | 5.383 | 6.305 | 6.985 | 8.126 | 7.650 | 15.498 | 4.210 | 12.877 | 10.091 |
| DK0010G | zinc | aerosol | 1.911 | 0.837 | 1.120 | 1.546 | 0.398 | 0.109 | -0.034 | 0.102 | 0.304 | 0.154 | 0.411 | 1.486 | 0.694 |
| DK0011G | zinc | aerosol | -9999.99 | -9999.99 | -9999.99 | 0.400 | 10.247 | -9999.99 | 20.481 | 2.469 | 1.816 | 1.325 | -9999.99 | -9999.99 | 4.754 |
| DK0031R | zinc | aerosol | 21.153 | 10.095 | 13.908 | 9.615 | 5.017 | 3.826 | 5.964 | 6.709 | 8.345 | 14.710 | 3.964 | 7.424 | 9.251 |
| FI0036R | zinc | aerosol | 3.013 | 7.832 | 4.817 | 1.419 | 1.014 | 2.158 | 1.283 | 1.472 | 2.413 | 0.538 | 1.353 | 2.786 | 2.460 |
| GB0014R | zinc | aerosol | 17.094 | 23.804 | 18.000 | 39.357 | 25.281 | 2.200 | 39.265 | 42.500 | 71.700 | 59.284 | 33.000 | 39.347 | 34.282 |
| GB0090R | zinc | aerosol | 3.800 | 101.979 | 22.700 | 8.500 | 7.339 | 7.113 | 85.319 | 51.545 | 24.967 | 73.007 | -9999.99 | 37.900 | 38.008 |
| GB0091R | zinc | aerosol | 0.500 | 0.500 | 1.529 | 1.600 | 4.300 | 0.907 | 4.226 | 11.623 | 31.127 | 40.913 | 15.303 | 24.100 | 13.240 |
| IS0091R | zinc | aerosol | 2.232 | 2.580 | 3.406 | 3.560 | 3.370 | 2.610 | 1.216 | 3.709 | 1.185 | 1.974 | 3.650 | 2.937 | 2.710 |
| LT0015R | zinc | aerosol | 17.332 | 20.675 | 20.445 | 21.727 | 31.139 | 27.867 | 23.990 | 24.426 | 22.550 | 34.942 | 25.457 | 34.127 | 25.415 |
| LV0010R | zinc | aerosol | 39.285 | 66.411 | 41.755 | 37.690 | 57.865 | 64.944 | 91.932 | 53.623 | 17.750 | 33.903 | 19.143 | 40.571 | 46.858 |
| LV0016R | zinc | aerosol | 10.229 | 15.121 | 13.175 | 11.520 | 9.677 | 7.274 | 8.670 | 10.311 | 9.096 | 15.705 | 8.399 | 21.028 | 11.781 |
| NL0009R | zinc | aerosol | 37.719 | 24.650 | 43.185 | 11.813 | 16.706 | 14.767 | 14.960 | 22.919 | 13.853 | 32.427 | 13.013 | 19.844 | 21.956 |
| NO0042G | zinc | aerosol | 1.225 | 1.463 | 2.651 | 1.758 | 1.062 | 0.909 | 0.634 | 0.613 | 0.556 | 0.869 | 0.845 | 3.151 | 1.285 |
| NO0099R | zinc | pm10_pm25 | 1.918 | 2.424 | 1.888 | 1.166 | 1.090 | 0.824 | 1.079 | 1.477 | 0.502 | 2.661 | 2.400 | 1.280 | 1.599 |
| NO0099R | zinc | pm25 | 8.673 | 5.777 | 12.484 | 5.587 | 3.553 | 3.927 | 2.013 | 1.955 | 2.469 | 5.396 | 4.919 | 6.327 | 5.363 |
| SK0002R | zinc | aerosol | 0.910 | 0.910 | 0.910 | 6.337 | 7.962 | 6.197 | 6.788 | 14.080 | 1.426 | 3.005 | 4.959 | 2.674 | 4.995 |
| SK0004R | zinc | aerosol | 29.755 | 21.475 | 11.682 | 17.983 | 15.261 | 11.444 | 19.136 | 24.669 | 17.474 | 28.824 | 31.974 | 48.006 | 22.722 |
| SK0005R | zinc | aerosol | 24.935 | 16.078 | 6.604 | 21.455 | 18.860 | 16.177 | 16.188 | 26.373 | 16.298 | 28.595 | 29.281 | 45.802 | 21.727 |
| SK0006R | zinc | aerosol | 4.738 | 11.425 | 3.220 | 20.570 | 22.591 | 12.559 | 10.892 | 16.280 | 11.736 | 25.570 | 20.259 | 34.451 | 16.416 |
| SK0007R | zinc | aerosol | 36.437 | 21.687 | 9.369 | 24.943 | 24.403 | 13.869 | 15.502 | 27.026 | 29.828 | 41.688 | 41.578 | 33.992 | 27.151 |

# Annex 7

# Monthly mean values on data for POPs in precipitation

| | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BE0004R alpha_HCH | precip | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| BE0004R dieldrin | precip | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.678 | 0.800 |
| BE0004R endrin | precip | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.178 | 1.300 |
| BE0004R gamma_HCH | precip | 5.457 | 2.330 | 11.403 | 37.413 | 73.755 | 25.866 | 3.927 | 1.000 | 1.000 | 6.000 | 2.461 | 0.800 |
| BE0004R heptachlor | precip | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| BE0004R pp_DDD | precip | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| BE0004R pp_DDE | precip | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| BE0004R pp_DDT | precip | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| DE0001R HCB | precip | 0.460 | 0.290 | 0.240 | 0.340 | 0.080 | 0.110 | 0.290 | 0.180 | 0.500 | 0.210 | 0.120 | 0.140 |
| DE0001R PCB_101 | precip | 1.850 | 1.160 | 1.800 | 2.970 | 0.340 | 0.460 | 0.050 | 0.330 | 0.140 | 0.890 | 1.450 | 1.680 |
| DE0001R PCB_118 | precip | 1.280 | 0.940 | 0.880 | 1.370 | 0.250 | 0.170 | 0.090 | 0.230 | 0.210 | 0.440 | 0.580 | 0.500 |
| DE0001R PCB_138 | precip | 2.070 | 1.450 | 1.770 | 2.310 | 0.500 | 0.300 | 0.270 | 0.630 | 0.380 | 1.430 | 4.620 | 3.690 |
| DE0001R PCB_153 | precip | 1.630 | 1.120 | 1.330 | 1.720 | 0.280 | 0.230 | 0.240 | 0.470 | 0.300 | 1.010 | 2.700 | 1.990 |
| DE0001R PCB_180 | precip | 0.470 | 0.360 | 0.520 | 0.470 | 0.550 | 0.020 | 0.140 | 0.240 | 0.230 | 0.370 | 1.830 | 1.670 |
| DE0001R PCB_28 | precip | 4.920 | 3.070 | 3.760 | 5.320 | 0.700 | 0.350 | 0.270 | 0.890 | 0.260 | 2.870 | 0.320 | 0.980 |
| DE0001R PCB_52 | precip | 2.100 | 1.230 | 1.540 | 2.970 | 0.230 | 0.240 | 0.060 | 0.450 | 0.150 | 1.050 | 0.500 | 1.530 |
| DE0001R alpha_HCH | precip | 0.570 | 0.450 | 0.410 | 0.640 | 0.300 | 0.420 | 0.510 | 0.530 | 0.580 | 0.530 | 0.590 | 0.490 |
| DE0001R anthracene | precip | 24.500 | 24.500 | 24.600 | 24.700 | 9.400 | 4.200 | 7.200 | 8.200 | 4.100 | 12.000 | 9.000 | 19.000 |
| DE0001R benz_a_anthracene | precip | 16.800 | 4.100 | 4.300 | 3.600 | 0.350 | 0.500 | 0.800 | 1.700 | 0.500 | 1.500 | 3.700 | 2.100 |
| DE0001R benzo_a_pyrene | precip | 1.300 | 3.200 | 3.400 | 3.300 | 0.300 | 0.700 | 1.300 | 1.000 | 1.000 | 2.700 | 3.300 | 2.200 |
| DE0001R benzo_ghi_perylene | precip | 5.200 | 9.800 | 8.600 | 5.700 | 0.600 | 1.400 | 1.300 | 0.900 | 1.100 | 3.400 | 4.400 | 3.000 |
| DE0001R dibenzo_ah_anthracene | precip | 0.560 | 1.030 | 0.630 | 0.205 | 0.315 | 0.125 | 0.050 | 0.060 | 0.280 | 0.125 | 0.430 | 0.105 |
| DE0001R dieldrin | precip | 0.026 | 0.068 | 0.030 | 0.115 | 0.242 | 0.137 | 0.051 | 0.052 | 0.053 | 0.090 | 0.112 | 0.114 |
| DE0001R endrin | precip | 0.018 | 0.014 | 0.020 | 0.017 | 0.039 | 0.010 | 0.006 | 0.007 | 0.007 | 0.010 | 0.005 | 0.076 |
| DE0001R fluoranthene | precip | 29.400 | 33.700 | 43.800 | -9999.990 | 14.100 | 7.000 | 7.900 | 6.700 | 6.800 | 16.700 | 15.500 | 16.400 |
| DE0001R gamma_HCH | precip | 3.150 | 2.860 | 4.120 | 8.800 | 11.920 | 3.180 | 4.040 | 3.430 | 1.680 | 3.770 | 1.910 | 1.690 |
| DE0001R heptachlor | precip | 0.007 | 0.005 | 0.008 | 0.007 | 0.015 | 0.004 | 0.002 | 0.003 | 0.002 | 0.004 | 0.002 | 0.004 |
| DE0001R inden_123cd_pyrene | precip | 3.100 | 8.700 | 7.000 | 12.500 | 1.150 | 1.500 | 1.200 | 0.600 | 1.000 | 3.000 | 5.200 | 3.500 |
| DE0001R op_DDD | precip | 0.018 | 0.014 | 0.020 | 0.017 | 0.039 | 0.010 | 0.006 | 0.007 | 0.007 | 0.010 | 0.005 | 0.009 |
| DE0001R op_DDE | precip | 0.010 | 0.005 | 0.008 | 0.115 | 0.015 | 0.004 | 0.002 | 0.003 | 0.002 | 0.004 | 0.002 | 0.004 |
| DE0001R op_DDT | precip | 0.514 | 0.372 | 0.020 | 1.314 | 0.039 | 0.010 | 0.006 | 0.007 | 0.075 | 0.010 | 0.163 | 0.009 |
| DE0001R phenanthrene | precip | 91.500 | 70.800 | 78.800 | 151.300 | 23.200 | 13.600 | 20.500 | 29.500 | 14.200 | 46.800 | 18.000 | 38.300 |
| DE0001R pp_DDD | precip | 0.018 | 0.014 | 0.020 | 0.017 | 0.039 | 0.010 | 0.006 | 0.007 | 0.007 | 0.010 | 0.422 | 0.121 |
| DE0001R pp_DDE | precip | 0.755 | 0.587 | 0.945 | 1.520 | 0.023 | 0.007 | 0.002 | 0.083 | 0.071 | 0.280 | 0.600 | 0.873 |
| DE0001R pp_DDT | precip | 1.220 | 0.760 | 1.580 | 2.120 | 0.040 | 0.350 | 0.140 | 0.180 | 0.220 | 0.470 | 0.560 | 0.510 |
| DE0001R pyrene | precip | 28.700 | 32.900 | 35.200 | -9999.990 | 12.500 | 5.700 | 8.800 | 7.900 | 6.200 | 16.400 | 14.600 | 18.700 |
| DE0009R HCB | precip | 0.910 | 0.820 | 1.160 | 0.400 | 0.390 | 0.300 | 0.290 | 0.360 | 0.280 | 1.660 | 1.470 | 0.490 |
| DE0009R PCB_101 | precip | 1.090 | 2.110 | 4.630 | 1.330 | 0.640 | 0.500 | 0.210 | 0.320 | 0.730 | 2.750 | 1.680 | 1.040 |
| DE0009R PCB_138 | precip | 0.470 | 0.850 | 1.280 | 0.290 | 0.180 | 0.200 | 0.330 | 0.390 | 0.540 | 2.050 | 2.570 | 0.910 |
| DE0009R PCB_153 | precip | 0.530 | 0.880 | 1.390 | 0.290 | 0.180 | 0.190 | 0.290 | 0.330 | 0.420 | 1.890 | 2.210 | 0.860 |
| DE0009R PCB_180 | precip | 0.075 | 0.120 | 0.260 | 0.030 | 0.020 | 0.080 | 0.190 | 0.140 | 0.160 | 0.790 | 1.810 | 0.390 |
| DE0009R PCB_28 | precip | 1.910 | 2.660 | 1.930 | 1.990 | 1.110 | 0.600 | 0.600 | 0.590 | 0.690 | 3.300 | 1.590 | 0.980 |
| DE0009R PCB_52 | precip | 1.140 | 3.350 | 2.180 | 2.630 | 0.710 | 0.490 | 0.360 | 0.430 | 0.950 | 3.140 | 1.220 | 0.990 |
| DE0009R alpha_HCH | precip | 0.740 | 0.680 | 0.520 | 0.740 | 0.440 | 0.350 | 0.460 | 0.520 | 0.660 | 0.640 | 0.570 | 0.270 |
| DE0009R anthracene | precip | 73.500 | 50.700 | 45.100 | 11.000 | 5.100 | 4.200 | 9.500 | 8.500 | 11.300 | 33.100 | 20.600 | 28.600 |
| DE0009R benz_a_anthracene | precip | 27.300 | 23.100 | 5.700 | 1.100 | 0.100 | 0.050 | 2.100 | 0.800 | 1.900 | 5.900 | 7.000 | 6.500 |
| DE0009R benzo_a_pyrene | precip | 26.500 | 3.400 | 3.400 | 0.150 | 0.100 | 0.050 | 2.400 | 1.400 | 2.900 | 7.200 | 7.000 | 5.700 |
| DE0009R benzo_ghi_perylene | precip | 48.500 | 9.700 | 4.100 | 0.200 | 0.700 | 0.150 | 2.600 | 1.500 | 4.300 | 10.200 | 8.900 | 8.700 |
| DE0009R dibenzo_ah_anthracene | precip | 4.400 | 0.200 | 0.200 | 0.100 | 0.050 | 0.050 | 0.100 | 0.050 | 0.300 | 0.200 | 1.000 | 1.000 |
| DE0009R dieldrin | precip | 0.055 | 0.030 | 0.320 | 0.220 | 0.120 | 0.060 | 0.060 | 0.070 | 0.130 | 0.220 | 0.080 | 0.130 |
| DE0009R endrin | precip | 0.038 | 0.019 | 0.016 | 0.014 | 0.009 | 0.009 | 0.009 | 0.005 | 0.004 | 0.017 | 0.010 | 0.007 |
| DE0009R fluoranthene | precip | 96.200 | 49.600 | 53.300 | 14.600 | 7.400 | 3.900 | 10.600 | 6.200 | 12.200 | 34.400 | 34.900 | 42.000 |
| DE0009R gamma_HCH | precip | 11.800 | 30.500 | 58.200 | 29.000 | 17.200 | 4.800 | 5.200 | 10.600 | 20.100 | 34.800 | 5.000 | 8.000 |
| DE0009R heptachlor | precip | 0.015 | 0.007 | 0.007 | 0.005 | 0.004 | 0.004 | 0.004 | 0.002 | 0.002 | 0.007 | 0.004 | 0.002 |
| DE0009R inden_123cd_pyrene | precip | 47.000 | 8.600 | 4.600 | 0.400 | 0.250 | 0.200 | 2.600 | 1.500 | 4.200 | 11.700 | 10.600 | 10.000 |
| DE0009R op_DDD | precip | 0.038 | 0.019 | 0.299 | 0.171 | 0.009 | 0.009 | 0.009 | 0.007 | 0.104 | 0.017 | 0.010 | 0.007 |

| | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DE0009R op_DDE | | precip | 0.015 | 0.231 | 0.461 | 0.140 | 0.004 | 0.004 | 0.005 | 0.026 | 0.125 | 0.527 | 0.004 | 0.123 |
| DE0009R op_DDT | | precip | 0.930 | 2.260 | 2.960 | 1.040 | 0.410 | 0.320 | 0.340 | 0.370 | 0.980 | 2.210 | 0.210 | 0.700 |
| DE0009R phenanthrene | | precip | 103.600 | 158.100 | 217.300 | 45.100 | 18.400 | 19.100 | 25.700 | 31.900 | 41.300 | 154.700 | 127.800 | 103.800 |
| DE0009R pp_DDD | | precip | 0.038 | 0.019 | 0.444 | 0.222 | 0.009 | 0.009 | 0.009 | 0.089 | 0.239 | 0.017 | 0.267 | 0.007 |
| DE0009R pp_DDE | | precip | 1.110 | 2.620 | 4.550 | 1.700 | 0.780 | 0.680 | 0.240 | 0.320 | 0.930 | 2.720 | 1.020 | 1.080 |
| DE0009R pp_DDT | | precip | 2.030 | 4.650 | 5.110 | 2.250 | 1.310 | 0.790 | 0.960 | 1.010 | 3.480 | 2.260 | 0.560 | 1.350 |
| DE0009R pyrene | | precip | 93.200 | 50.700 | 47.700 | 13.800 | 7.300 | 4.600 | 11.700 | 9.100 | 15.200 | 50.000 | 35.300 | 41.900 |
| FI0096R PCB_101 | (ng/m2 day) | precip+dry_dep | 0.050 | 0.020 | 0.020 | 0.040 | 0.005 | 0.040 | 0.040 | -9999.990 | 0.040 | 0.030 | 0.030 | -9999.990 |
| FI0096R PCB_118 | (ng/m2 day) | precip+dry_dep | 0.030 | 0.010 | 0.010 | 0.040 | 0.020 | 0.005 | 0.020 | -9999.990 | 0.030 | 0.010 | 0.010 | -9999.990 |
| FI0096R PCB_138 | (ng/m2 day) | precip+dry_dep | 0.040 | 0.030 | 0.021 | 0.050 | 0.010 | 0.030 | 0.030 | -9999.990 | 0.080 | 0.030 | 0.040 | -9999.990 |
| FI0096R PCB_153 | (ng/m2 day) | precip+dry_dep | 0.040 | 0.020 | 0.020 | 0.050 | 0.010 | 0.030 | 0.040 | -9999.990 | 0.030 | 0.040 | 0.050 | -9999.990 |
| FI0096R PCB_180 | (ng/m2 day) | precip+dry_dep | 0.030 | 0.010 | 0.010 | 0.030 | 0.010 | 0.030 | 0.010 | -9999.990 | 0.040 | 0.020 | 0.030 | -9999.990 |
| FI0096R PCB_28 | (ng/m2 day) | precip+dry_dep | 0.040 | 0.030 | 0.030 | 0.050 | 0.040 | 0.100 | 0.040 | -9999.990 | 0.060 | 0.060 | 0.040 | -9999.990 |
| FI0096R PCB_52 | (ng/m2 day) | precip+dry_dep | 0.090 | 0.090 | 0.073 | 0.110 | 0.030 | 0.210 | 0.110 | -9999.990 | 0.110 | 0.110 | 0.060 | -9999.990 |
| FI0096R anthracene | (ng/m2 day) | precip+dry_dep | 1.000 | 0.500 | 0.500 | 0.500 | 0.500 | 1.000 | 0.500 | 0.500 | 0.500 | 1.000 | 1.000 | 0.500 |
| FI0096R benz_a_anthracene | (ng/m2 day) | precip+dry_dep | 7.000 | 1.000 | 0.562 | 3.000 | 1.000 | 13.000 | 1.000 | 29.000 | 1.000 | 25.000 | 35.000 | 3.000 |
| FI0096R benzo_a_pyrene | (ng/m2 day) | precip+dry_dep | 8.000 | 1.000 | 0.562 | 6.000 | 0.500 | 5.000 | 1.000 | 12.000 | 1.000 | 10.000 | 17.000 | 1.000 |
| FI0096R benzo_ghi_perylene | (ng/m2 day) | precip+dry_dep | 6.000 | 2.000 | 0.688 | 7.000 | 0.500 | 0.500 | 2.000 | 1.000 | 0.500 | 0.500 | 9.000 | 0.500 |
| FI0096R chrysene_triphenylene | (ng/m2 day) | precip+dry_dep | 18.000 | 4.000 | 0.938 | 15.000 | 1.000 | 6.000 | 3.000 | 18.000 | 4.000 | 14.000 | 28.000 | 11.000 |
| FI0096R fluoranthene | (ng/m2 day) | precip+dry_dep | 31.000 | 8.000 | 1.875 | 20.000 | 3.000 | 1.000 | 6.000 | 2.000 | 3.000 | 2.000 | 31.000 | 4.000 |
| FI0096R inden_123cd_pyrene | (ng/m2 day) | precip+dry_dep | 13.000 | 2.000 | 1.125 | 8.000 | 1.000 | 1.000 | 2.000 | 1.000 | 1.000 | 1.000 | 15.000 | 1.000 |
| FI0096R phenanthrene | (ng/m2 day) | precip+dry_dep | 23.000 | 7.000 | 2.625 | 15.000 | 4.000 | 38.000 | 12.000 | 4.000 | 4.000 | 5.000 | 23.000 | 10.000 |
| FI0096R pyrene | (ng/m2 day) | precip+dry_dep | 20.000 | 5.000 | 1.500 | 14.000 | 1.000 | 2.000 | 4.000 | 2.000 | 3.000 | 2.000 | 21.000 | 4.000 |
| IE0002R PCB_101 | | precip | 1.250 | 0.800 | 0.850 | -9999.990 | -9999.990 | -9999.990 | -9999.990 | 0.950 | 0.800 | 0.600 | 0.750 | 2.250 |
| IE0002R PCB_118 | | precip | 1.250 | 0.800 | 0.700 | -9999.990 | -9999.990 | -9999.990 | -9999.990 | 0.950 | 0.800 | 0.600 | 0.750 | 2.250 |
| IE0002R PCB_138 | | precip | 1.250 | 0.800 | 0.700 | -9999.990 | -9999.990 | -9999.990 | -9999.990 | 0.950 | 0.800 | 0.600 | 0.750 | 2.250 |
| IE0002R PCB_153 | | precip | 1.250 | 0.800 | 0.700 | -9999.990 | -9999.990 | -9999.990 | -9999.990 | 0.950 | 0.800 | 0.600 | 0.750 | 2.250 |
| IE0002R PCB_180 | | precip | 1.250 | 0.800 | 0.700 | -9999.990 | -9999.990 | -9999.990 | -9999.990 | 0.950 | 0.800 | 1.200 | 1.450 | 4.500 |
| IE0002R PCB_52 | | precip | 1.250 | 0.800 | 1.400 | -9999.990 | -9999.990 | -9999.990 | -9999.990 | 0.950 | 0.800 | 0.600 | 0.750 | 2.250 |
| IE0002R alpha_HCH | | precip | 1.250 | 0.800 | 0.700 | -9999.990 | -9999.990 | -9999.990 | -9999.990 | 0.950 | 0.800 | 0.600 | 0.750 | 2.250 |
| IE0002R dieldrin | | precip | 1.250 | 0.800 | 0.700 | -9999.990 | -9999.990 | -9999.990 | -9999.990 | 0.950 | 0.800 | 0.600 | 0.750 | 2.250 |
| IE0002R endrin | | precip | 1.250 | 0.800 | 0.700 | -9999.990 | -9999.990 | -9999.990 | -9999.990 | 0.950 | 0.800 | 0.600 | 0.750 | 2.250 |
| IE0002R gamma_HCH | | precip | 1.250 | 0.800 | 0.700 | -9999.990 | -9999.990 | -9999.990 | -9999.990 | 0.950 | 0.800 | 0.600 | 0.750 | 4.500 |
| IE0002R heptachlor | | precip | 1.250 | 0.800 | 0.700 | -9999.990 | -9999.990 | -9999.990 | -9999.990 | 0.950 | 0.800 | 0.600 | 0.750 | 2.250 |
| IE0002R op_DDD | | precip | 1.250 | 0.800 | 0.700 | -9999.990 | -9999.990 | -9999.990 | -9999.990 | 0.950 | 0.800 | -9999.990 | -9999.990 | -9999.990 |
| IE0002R op_DDT | | precip | 1.250 | 0.800 | 0.700 | -9999.990 | -9999.990 | -9999.990 | -9999.990 | 0.950 | 0.800 | -9999.990 | -9999.990 | -9999.990 |
| IE0002R pp_DDD | | precip | 1.250 | 0.800 | 0.700 | -9999.990 | -9999.990 | -9999.990 | -9999.990 | 0.950 | 0.800 | -9999.990 | -9999.990 | -9999.990 |
| IE0002R pp_DDE | | precip | 1.250 | 0.800 | 0.700 | -9999.990 | -9999.990 | -9999.990 | -9999.990 | 0.950 | 0.800 | -9999.990 | -9999.990 | -9999.990 |
| IE0002R pp_DDT | | precip | 1.250 | 0.800 | 0.700 | -9999.990 | -9999.990 | -9999.990 | -9999.990 | 0.950 | 0.800 | 0.600 | 0.750 | 2.250 |
| IS0091R HCB | | precip | 0.009 | 0.018 | 0.032 | 0.017 | 0.022 | 0.040 | 0.005 | 0.006 | 0.005 | 0.011 | 0.017 | 0.012 |
| IS0091R PCB_101 | | precip | 0.005 | 0.027 | 0.027 | 0.005 | 0.002 | 0.046 | 0.011 | 0.026 | 0.011 | 0.006 | 0.024 | 0.022 |
| IS0091R PCB_105 | | precip | 0.008 | 0.009 | 0.013 | 0.006 | 0.012 | 0.030 | 0.003 | 0.011 | 0.009 | 0.006 | 0.011 | 0.016 |
| IS0091R PCB_118 | | precip | 0.011 | 0.013 | 0.019 | 0.009 | 0.012 | 0.031 | 0.004 | 0.010 | 0.004 | 0.002 | 0.004 | 0.009 |
| IS0091R PCB_138 | | precip | 0.011 | 0.023 | 0.042 | 0.021 | 0.019 | 0.037 | 0.007 | 0.019 | 0.011 | 0.003 | 0.012 | 0.027 |
| IS0091R PCB_153 | | precip | 0.012 | 0.024 | 0.030 | 0.009 | 0.012 | 0.031 | 0.006 | 0.019 | 0.008 | 0.001 | 0.009 | 0.013 |
| IS0091R PCB_156 | | precip | 0.006 | 0.007 | 0.010 | 0.004 | 0.006 | 0.015 | 0.003 | 0.006 | 0.004 | 0.001 | 0.003 | 0.006 |
| IS0091R PCB_180 | | precip | 0.006 | 0.007 | 0.010 | 0.004 | 0.006 | 0.015 | 0.003 | 0.006 | 0.006 | 0.001 | 0.003 | 0.008 |
| IS0091R PCB_28 | | precip | 0.121 | 0.142 | 0.202 | 0.091 | 0.125 | 0.321 | 0.064 | 0.093 | 0.098 | 0.045 | 0.314 | 0.123 |
| IS0091R PCB_31 | | precip | 0.107 | 0.126 | 0.179 | 0.081 | 0.111 | 0.285 | 0.056 | 0.084 | 0.080 | 0.038 | 0.209 | 0.067 |
| IS0091R PCB_52 | | precip | 0.033 | 0.038 | 0.100 | 0.025 | 0.034 | 0.086 | 0.022 | 0.060 | 0.041 | 0.018 | 0.059 | 0.028 |
| IS0091R alpha_HCH | | precip | 0.145 | 0.223 | 0.228 | 0.180 | 0.224 | 0.368 | 0.165 | 0.147 | 0.200 | 0.178 | 0.386 | 0.337 |
| IS0091R beta_HCH | | precip | 0.012 | 0.020 | 0.032 | 0.014 | 0.018 | 0.025 | 0.003 | 0.003 | 0.003 | 0.001 | 0.003 | 0.006 |
| IS0091R cis_CD | | precip | 0.003 | 0.002 | 0.003 | 0.003 | 0.002 | 0.022 | 0.007 | 0.006 | 0.006 | 0.008 | 0.011 | 0.014 |
| IS0091R dieldrin | | precip | 0.068 | 0.052 | 0.036 | 0.037 | 0.028 | 0.010 | 0.025 | 0.026 | 0.026 | 0.051 | 0.076 | 0.126 |
| IS0091R gamma_HCH | | precip | 0.089 | 0.095 | 0.153 | 0.159 | 0.960 | 0.335 | 0.087 | 0.063 | 0.073 | 0.297 | 0.166 | 0.159 |
| IS0091R op_DDT | | precip | 0.019 | 0.016 | 0.005 | 0.011 | 0.009 | 0.026 | 0.004 | 0.005 | 0.004 | 0.004 | 0.004 | 0.028 |

| | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IS0091R | pp_DDD | | precip | 0.004 | 0.005 | 0.006 | 0.003 | 0.003 | 0.010 | 0.005 | 0.006 | 0.006 | 0.003 | 0.005 | 0.011 |
| IS0091R | pp_DDE | | precip | 0.002 | 0.004 | 0.003 | 0.007 | 0.004 | 0.013 | 0.007 | 0.006 | 0.003 | 0.001 | 0.003 | 0.006 |
| IS0091R | pp_DDT | | precip | 0.015 | 0.018 | 0.009 | 0.001 | 0.002 | 0.005 | 0.004 | 0.006 | 0.003 | 0.001 | 0.006 | 0.018 |
| IS0091R | trans_CD | | precip | 0.002 | 0.002 | 0.005 | 0.007 | 0.006 | 0.030 | 0.002 | 0.002 | 0.002 | 0.003 | 0.004 | 0.003 |
| IS0091R | trans_NO | | precip | 0.003 | 0.004 | 0.003 | 0.005 | 0.002 | 0.005 | 0.001 | 0.002 | 0.001 | 0.002 | 0.004 | 0.005 |
| LT0015R | benzo_a_pyrene | (ng/m2 month) | wetdep | -9999.990 | 37.900 | 31.900 | 32.700 | 41.300 | 47.300 | 29.700 | 31.900 | 40.300 | 53.500 | 73.700 | 75.200 |
| NL0091R | gamma_HCH | | precip | 5.000 | 5.000 | 5.000 | 8.195 | 16.654 | 8.619 | 5.000 | 5.000 | 5.000 | 5.000 | 5.000 | 5.000 |
| NO0099R | HCB | | precip | 0.046 | 0.122 | 0.372 | 0.079 | 0.134 | 0.682 | 0.417 | 0.255 | 0.260 | 0.565 | 0.293 | 3.081 |
| NO0099R | alpha_HCH | | precip | 0.471 | 0.445 | 0.386 | 0.396 | 0.438 | 0.327 | 0.495 | 0.549 | 0.601 | 0.619 | 0.602 | 1.715 |
| NO0099R | gamma_HCH | | precip | 1.055 | 0.760 | 1.310 | 7.512 | 6.461 | 1.682 | 0.883 | 1.120 | 1.580 | 2.653 | 1.083 | 3.476 |
| SE0002R | PCB_101 | (ng/m2 day) | precip+dry_dep | 0.138 | 0.042 | 0.062 | 0.072 | 0.111 | 0.050 | 0.040 | 0.038 | 0.030 | 0.048 | 0.043 | 0.130 |
| SE0002R | PCB_118 | (ng/m2 day) | precip+dry_dep | 0.061 | 0.040 | 0.040 | 0.041 | 0.056 | 0.030 | 0.021 | 0.030 | 0.030 | 0.039 | 0.034 | 0.060 |
| SE0002R | PCB_138 | (ng/m2 day) | precip+dry_dep | 0.169 | 0.119 | 0.118 | 0.152 | 0.202 | 0.080 | 0.072 | 0.085 | 0.060 | 0.108 | 0.105 | 0.200 |
| SE0002R | PCB_153 | (ng/m2 day) | precip+dry_dep | 0.187 | 0.109 | 0.108 | 0.142 | 0.175 | 0.070 | 0.052 | 0.067 | 0.050 | 0.116 | 0.095 | 0.190 |
| SE0002R | PCB_180 | (ng/m2 day) | precip+dry_dep | 0.167 | 0.089 | 0.088 | 0.119 | 0.077 | 0.060 | 0.078 | 0.058 | 0.050 | 0.052 | 0.075 | 0.110 |
| SE0002R | PCB_28 | (ng/m2 day) | precip+dry_dep | 0.113 | 0.045 | 0.008 | 0.040 | 0.047 | 0.030 | 0.029 | 0.013 | 0.030 | 0.039 | 0.037 | 0.080 |
| SE0002R | PCB_52 | (ng/m2 day) | precip+dry_dep | 0.135 | 0.096 | 0.060 | 0.062 | 0.104 | 0.060 | 0.050 | 0.038 | 0.030 | 0.039 | 0.035 | 0.070 |
| SE0002R | anthracene | (ng/m2 day) | precip+dry_dep | 3.100 | 1.000 | 1.000 | 0.983 | 0.500 | 0.500 | 0.500 | 0.581 | 1.000 | 0.500 | 1.100 | 5.000 |
| SE0002R | benz_a_anthracene | (ng/m2 day) | precip+dry_dep | 20.800 | 3.893 | 3.194 | 3.967 | 2.742 | 1.000 | 1.000 | 1.161 | 2.000 | 2.290 | 7.400 | 23.000 |
| SE0002R | benzo_a_pyrene | (ng/m2 day) | precip+dry_dep | 19.000 | 4.893 | 4.194 | 4.967 | 3.613 | 1.000 | 1.000 | 1.323 | 3.000 | 3.387 | 9.000 | 22.000 |
| SE0002R | benzo_ghi_perylene | (ng/m2 day) | precip+dry_dep | 30.200 | 4.786 | 3.194 | 3.933 | 1.871 | 1.000 | 1.000 | 1.323 | 3.000 | 3.581 | 11.533 | 28.000 |
| SE0002R | chrysene_triphenylene | (ng/m2 day) | precip+dry_dep | 64.900 | 17.357 | 11.806 | 10.867 | 6.613 | 4.000 | 2.258 | 5.323 | 7.000 | 7.677 | 19.867 | 58.000 |
| SE0002R | fluoranthene | (ng/m2 day) | precip+dry_dep | 108.100 | 28.464 | 23.613 | 21.500 | 6.742 | 5.000 | 3.129 | 5.613 | 14.000 | 8.677 | 19.933 | 52.000 |
| SE0002R | inden_123cd_pyrene | (ng/m2 day) | precip+dry_dep | 32.900 | 6.893 | 6.194 | 6.867 | 2.742 | 1.000 | 1.871 | 1.065 | 4.000 | 4.871 | 17.400 | 46.000 |
| SE0002R | phenanthrene | (ng/m2 day) | precip+dry_dep | 75.300 | 20.107 | 20.613 | 18.667 | 8.484 | 5.000 | 3.194 | 5.645 | 9.000 | 6.290 | 15.400 | 57.000 |
| SE0002R | pyrene | (ng/m2 day) | precip+dry_dep | 65.600 | 17.571 | 14.000 | 13.733 | 5.742 | 4.000 | 3.032 | 4.129 | 10.000 | 6.581 | 15.600 | 39.000 |
| SE0012R | PCB_101 | (ng/m2 day) | precip+dry_dep | 0.180 | -9999.990 | 0.050 | 0.060 | 0.080 | 0.080 | 0.050 | 0.050 | 0.060 | 0.010 | 0.200 | 0.070 |
| SE0012R | PCB_118 | (ng/m2 day) | precip+dry_dep | 0.220 | -9999.990 | 0.040 | 0.060 | 0.060 | 0.040 | 0.040 | 0.040 | 0.050 | 0.010 | 0.090 | 0.030 |
| SE0012R | PCB_138 | (ng/m2 day) | precip+dry_dep | 0.380 | -9999.990 | 0.080 | 0.070 | 0.090 | 0.120 | 0.070 | 0.070 | 0.070 | 0.015 | 0.270 | 0.050 |
| SE0012R | PCB_153 | (ng/m2 day) | precip+dry_dep | 0.340 | -9999.990 | 0.080 | 0.070 | 0.100 | 0.120 | 0.070 | 0.090 | 0.080 | 0.015 | 0.310 | 0.070 |
| SE0012R | PCB_180 | (ng/m2 day) | precip+dry_dep | 0.280 | -9999.990 | 0.060 | 0.040 | 0.050 | 0.090 | 0.040 | 0.060 | 0.040 | 0.010 | 0.170 | 0.030 |
| SE0012R | PCB_28 | (ng/m2 day) | precip+dry_dep | 0.130 | -9999.990 | 0.020 | 0.025 | 0.100 | 0.070 | 0.060 | 0.005 | 0.050 | 0.005 | 0.070 | 0.005 |
| SE0012R | PCB_52 | (ng/m2 day) | precip+dry_dep | 0.060 | -9999.990 | 0.050 | 0.015 | 0.045 | 0.010 | 0.015 | 0.010 | 0.040 | 0.010 | 0.030 | 0.005 |
| SE0012R | anthracene | (ng/m2 day) | precip+dry_dep | 26.000 | -9999.990 | 0.000 | 5.000 | 0.000 | 0.000 | 0.000 | 1.000 | 0.000 | 1.000 | 1.000 | 0.000 |
| SE0012R | benz_a_Anthracene | (ng/m2 day) | precip+dry_dep | 19.000 | -9999.990 | 1.000 | 4.000 | 1.000 | 1.000 | 1.000 | 0.000 | 3.000 | 0.000 | 1.000 | 1.000 |
| SE0012R | benzo_a_pyrene | (ng/m2 day) | precip+dry_dep | 149.000 | -9999.990 | 1.000 | 7.000 | 0.500 | 1.000 | 0.500 | 1.000 | 6.000 | 1.000 | 3.000 | 0.000 |
| SE0012R | benzo_ghi_perylene | (ng/m2 day) | precip+dry_dep | 198.000 | -9999.990 | 0.000 | 12.000 | 0.000 | 0.000 | 0.000 | 3.000 | 6.000 | 1.000 | 5.000 | 0.000 |
| SE0012R | fluoranthene | (ng/m2 day) | precip+dry_dep | 410.000 | -9999.990 | 7.000 | 24.000 | 5.000 | 4.000 | 2.000 | 8.000 | 22.000 | 3.000 | 10.000 | 2.000 |
| SE0012R | inden_123cd_pyrene | (ng/m2 day) | precip+dry_dep | 314.000 | -9999.990 | 1.000 | 13.000 | 1.000 | 0.000 | 0.000 | 4.000 | 9.000 | 1.000 | 3.000 | 0.000 |
| SE0012R | phenanthrene | (ng/m2 day) | precip+dry_dep | 281.000 | -9999.990 | 2.000 | 15.000 | 4.000 | 2.000 | 2.000 | 5.000 | 2.000 | 2.000 | 9.000 | 2.000 |
| SE0012R | pyrene | (ng/m2 day) | precip+dry_dep | 306.000 | -9999.990 | 6.000 | 14.000 | 4.000 | 4.000 | 2.000 | 4.000 | 15.000 | 3.000 | 15.000 | 5.000 |

# Annex 8

# Monthly mean values on data for POPs in air

| | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CZ0003R PCB_101 | air+aerosol | 29.000 | 49.000 | 47.000 | 56.250 | 44.200 | 56.000 | 41.500 | 31.200 | 21.125 | 27.000 | 31.500 | 34.000 |
| CZ0003R PCB_118 | air+aerosol | 3.200 | 5.000 | 5.750 | 5.750 | 5.400 | 7.750 | 7.000 | 9.400 | 6.125 | 6.200 | 6.500 | 6.000 |
| CZ0003R PCB_138 | air+aerosol | 10.800 | 14.000 | 20.250 | 14.500 | 13.400 | 15.000 | 12.000 | 11.200 | 6.562 | 9.000 | 12.500 | 19.500 |
| CZ0003R PCB_180 | air+aerosol | 4.400 | 6.000 | 10.500 | 5.500 | 4.200 | 4.000 | 2.000 | 3.000 | 1.812 | 2.800 | 4.500 | 9.250 |
| CZ0003R PCB_28 | air+aerosol | 21.000 | 27.750 | 25.500 | 31.250 | 32.000 | 34.500 | 31.500 | 32.400 | 19.375 | 18.800 | 21.000 | 20.500 |
| CZ0003R PCB_52 | air+aerosol | 34.200 | 52.750 | 49.000 | 58.000 | 51.600 | 58.750 | 43.000 | 43.600 | 27.125 | 27.200 | 30.750 | 36.500 |
| CZ0003R acenaphtene | air+aerosol | 0.435 | 0.217 | 0.231 | 0.101 | 0.057 | 0.056 | 0.041 | 0.045 | 0.059 | 0.118 | 0.566 | 0.504 |
| CZ0003R alpha_HCH | air+aerosol | 17.800 | 17.750 | 28.750 | 29.500 | 34.000 | 15.750 | 5.750 | 11.400 | 9.500 | 15.600 | 8.750 | 9.500 |
| CZ0003R anthracene | air+aerosol | 0.191 | 0.166 | 0.183 | 0.092 | 0.028 | 0.039 | 0.082 | 0.079 | 0.067 | 0.114 | 0.310 | 0.605 |
| CZ0003R benz_a_anthracene | air+aerosol | 0.535 | 0.260 | 0.206 | 0.070 | 0.025 | 0.023 | 0.022 | 0.009 | 0.054 | 0.171 | 0.790 | 0.613 |
| CZ0003R benzo_a_pyrene | air+aerosol | 0.347 | 0.233 | 0.211 | 0.085 | 0.045 | 0.070 | 0.044 | 0.012 | 0.054 | 0.210 | 0.834 | 0.561 |
| CZ0003R fluoranthene | air+aerosol | 4.729 | 2.452 | 2.024 | 1.311 | 0.565 | 0.365 | 0.378 | 0.311 | 0.596 | 1.143 | 3.059 | 3.986 |
| CZ0003R fluorene | air+aerosol | 7.106 | 3.326 | 3.145 | 1.554 | 0.839 | 0.627 | 0.535 | 0.479 | 1.124 | 1.488 | 4.189 | 5.087 |
| CZ0003R gamma_HCH | air+aerosol | 11.600 | 16.750 | 18.500 | 25.000 | 30.600 | 45.750 | 15.000 | 14.200 | 11.250 | 25.800 | 12.000 | 14.000 |
| CZ0003R inden_123cd_pyrene | air+aerosol | 0.372 | 0.251 | 0.275 | 0.098 | 0.027 | 0.040 | 0.048 | 0.019 | 0.085 | 0.457 | 1.102 | 0.601 |
| CZ0003R naphtalene | air+aerosol | 2.348 | 0.961 | 0.899 | 0.363 | 0.243 | 0.276 | 0.149 | 0.197 | 0.444 | 0.928 | 3.012 | 2.481 |
| CZ0003R phenanthrene | air+aerosol | 12.606 | 6.634 | 5.441 | 3.997 | 1.910 | 1.598 | 1.805 | 1.812 | 2.739 | 3.920 | 8.351 | 12.265 |
| CZ0003R pp_DDD | air+aerosol | 0.800 | 0.875 | 1.375 | 1.375 | 5.000 | 2.750 | 3.000 | 4.400 | 2.500 | 3.000 | 2.000 | 1.750 |
| CZ0003R pp_DDE | air+aerosol | 10.000 | 14.250 | 12.500 | 21.500 | 29.400 | 17.500 | 16.000 | 23.600 | 11.375 | 25.200 | 19.500 | 15.500 |
| CZ0003R pp_DDT | air+aerosol | 3.600 | 3.750 | 3.750 | 4.250 | 10.800 | 3.500 | 3.500 | 5.200 | 3.750 | 8.600 | 8.000 | 7.000 |
| CZ0003R pyrene | air+aerosol | 2.533 | 1.343 | 1.110 | 0.722 | 0.287 | 0.202 | 0.241 | 0.144 | 0.343 | 0.741 | 2.195 | 2.609 |
| FI0096R PCB_101 | air+aerosol | 0.632 | 0.428 | 0.428 | 1.307 | 0.507 | 1.527 | 0.978 | 1.350 | 1.382 | 0.488 | 0.560 | 0.574 |
| FI0096R PCB_118 | air+aerosol | 0.235 | 0.200 | 0.158 | 0.410 | 0.132 | 0.435 | 0.204 | 0.396 | 0.404 | 0.131 | 0.180 | 0.137 |
| FI0096R PCB_138 | air+aerosol | 0.262 | 0.172 | 0.147 | 0.456 | 0.247 | 0.471 | 0.274 | 0.355 | 0.479 | 0.143 | 0.192 | 0.165 |
| FI0096R PCB_153 | air+aerosol | 0.306 | 0.167 | 0.168 | 0.528 | 0.159 | 0.557 | 0.326 | 0.405 | 0.536 | 0.169 | 0.217 | 0.226 |
| FI0096R PCB_180 | air+aerosol | 0.081 | 0.052 | 0.028 | 0.093 | 0.031 | 0.159 | 0.082 | 0.073 | 0.138 | 0.027 | 0.041 | 0.087 |
| FI0096R PCB_28 | air+aerosol | 1.083 | 0.867 | 0.763 | 2.579 | 0.840 | 3.964 | 1.872 | 2.869 | 2.371 | 0.938 | 1.312 | 1.410 |
| FI0096R PCB_52 | air+aerosol | 1.217 | 0.909 | 0.849 | 2.260 | 0.904 | 4.399 | 2.962 | 2.833 | 2.766 | 0.942 | 1.195 | 1.226 |
| FI0096R anthracene | air+aerosol | 0.008 | 0.004 | 0.002 | 0.001 | 0.001 | 0.001 | 0.003 | 0.002 | 0.002 | 0.002 | 0.007 | 0.002 |
| FI0096R benz_a_anthracene | air+aerosol | 0.056 | 0.024 | 0.006 | 0.002 | 0.003 | 0.001 | 0.004 | 0.140 | 0.028 | 0.004 | 0.027 | 0.003 |
| FI0096R benzo_a_pyrene | air+aerosol | 0.073 | 0.028 | 0.007 | 0.001 | 0.001 | 0.002 | 0.004 | 0.060 | 0.020 | 0.004 | 0.033 | 0.003 |
| FI0096R benzo_ghi_perylene | air+aerosol | 0.059 | 0.029 | 0.009 | 0.002 | 0.001 | 0.003 | 0.004 | 0.004 | 0.006 | 0.004 | 0.035 | 0.004 |
| FI0096R chrysene_triphenylene | air+aerosol | 0.135 | 0.080 | 0.020 | 0.026 | 0.003 | 0.007 | 0.011 | 0.100 | 0.027 | 0.016 | 0.068 | 0.017 |
| FI0096R fluoranthene | air+aerosol | 0.390 | 0.230 | 0.081 | 0.070 | 0.030 | 0.040 | 0.050 | 0.050 | 0.040 | 0.060 | 0.290 | 0.070 |
| FI0096R inden_123cd_pyrene | air+aerosol | 0.086 | 0.048 | 0.010 | 0.004 | 0.002 | 0.004 | 0.004 | 0.011 | 0.002 | 0.002 | 0.047 | 0.002 |
| FI0096R phenanthrene | air+aerosol | 0.580 | 0.350 | 0.193 | 0.280 | 0.110 | 0.220 | 0.240 | 0.190 | 0.160 | 0.180 | 0.640 | 0.210 |
| FI0096R pyrene | air+aerosol | 0.220 | 0.130 | 0.051 | 0.040 | 0.010 | 0.020 | 0.030 | 0.030 | 0.030 | 0.040 | 0.150 | 0.030 |
| IS0091R HCB | air+aerosol | 4.551 | 12.490 | 6.654 | 7.450 | 8.309 | 4.650 | 4.991 | 5.212 | 7.140 | 10.947 | 4.810 | 3.662 |
| IS0091R PCB_101 | air+aerosol | 0.403 | 0.057 | 0.131 | 0.222 | 1.253 | 0.580 | 0.491 | 1.384 | 1.377 | 1.698 | 0.897 | 0.643 |
| IS0091R PCB_105 | air+aerosol | 0.194 | 0.230 | 0.214 | 0.237 | 0.355 | 0.285 | 0.120 | 0.125 | 0.145 | 0.464 | 0.197 | 0.189 |
| IS0091R PCB_118 | air+aerosol | 0.290 | 0.343 | 0.321 | 0.358 | 0.531 | 0.425 | 0.184 | 0.190 | 0.370 | 0.760 | 0.310 | 0.227 |
| IS0091R PCB_138 | air+aerosol | 0.153 | 0.172 | 0.162 | 0.180 | 0.267 | 0.213 | 0.119 | 0.125 | 0.270 | 0.985 | 0.332 | 0.325 |
| IS0091R PCB_153 | air+aerosol | 0.293 | 0.343 | 0.321 | 0.358 | 0.531 | 0.425 | 0.123 | 0.125 | 0.310 | 0.923 | 0.328 | 0.242 |
| IS0091R PCB_156 | air+aerosol | 0.150 | 0.172 | 0.162 | 0.180 | 0.267 | 0.213 | 0.119 | 0.125 | 0.145 | 0.177 | 0.147 | 0.095 |
| IS0091R PCB_180 | air+aerosol | 0.150 | 0.172 | 0.162 | 0.180 | 0.267 | 0.213 | 0.119 | 0.125 | 0.145 | 0.412 | 0.147 | 0.095 |
| IS0091R PCB_28 | air+aerosol | 3.051 | 3.615 | 3.377 | 3.762 | 5.594 | 4.465 | 1.608 | 1.635 | 3.285 | 7.607 | 2.940 | 3.566 |
| IS0091R PCB_31 | air+aerosol | 2.712 | 3.215 | 3.003 | 3.342 | 4.975 | 3.970 | 1.480 | 1.510 | 2.680 | 6.621 | 3.043 | 2.803 |
| IS0091R PCB_52 | air+aerosol | 0.833 | 0.975 | 0.911 | 1.015 | 1.509 | 1.205 | 0.983 | 0.629 | 2.317 | 3.942 | 2.060 | 1.630 |
| IS0091R alpha_HCH | air+aerosol | 5.224 | 10.705 | 10.889 | 8.565 | 11.562 | 8.510 | 7.854 | 8.352 | 12.740 | 19.276 | 9.700 | 7.480 |
| IS0091R beta_HCH | air+aerosol | 0.052 | 0.057 | 0.052 | 0.060 | 0.089 | 0.070 | 0.060 | 0.062 | 0.072 | 0.087 | 0.072 | 0.050 |
| IS0091R cis_CD | air+aerosol | 0.856 | 0.685 | 0.899 | 0.900 | 0.982 | 0.905 | 1.128 | 1.508 | 1.315 | 0.906 | 0.875 | 0.875 |
| IS0091R dieldrin | air+aerosol | 0.999 | 0.460 | 0.895 | 1.030 | 1.345 | 1.620 | 0.960 | 1.755 | 1.860 | 1.460 | 1.120 | 1.308 |
| IS0091R gamma_HCH | air+aerosol | 4.035 | 2.765 | 4.230 | 5.395 | 13.975 | 7.500 | 4.150 | 4.459 | 6.125 | 13.728 | 7.285 | 3.662 |
| IS0091R op_DDT | air+aerosol | 0.052 | 0.057 | 0.052 | 0.060 | 0.556 | 0.070 | 0.115 | 0.125 | 0.145 | 0.177 | 0.147 | 0.095 |
| IS0091R pp_DDD | air+aerosol | 0.101 | 0.115 | 0.107 | 0.120 | 0.178 | 0.143 | 0.117 | 0.125 | 0.145 | 0.177 | 0.147 | 0.095 |
| IS0091R pp_DDE | air+aerosol | 0.354 | 0.280 | 0.324 | 0.240 | 0.481 | 0.070 | 0.060 | 0.062 | 0.072 | 0.087 | 0.230 | 0.244 |

| | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IS0091R pp_DDT | air+aerosol | 0.197 | 0.150 | 0.841 | 0.092 | 0.860 | 0.095 | 0.061 | 0.062 | 0.165 | 0.338 | 0.200 | 0.236 |
| IS0091R trans_CD | air+aerosol | 0.545 | 0.460 | 0.483 | 0.475 | 0.449 | 0.335 | 0.478 | 0.483 | 0.350 | 0.287 | 0.300 | 0.417 |
| IS0091R trans_NO | air+aerosol | 0.451 | 0.345 | 0.425 | 0.475 | 0.449 | 0.385 | 0.741 | 0.601 | 0.765 | 0.633 | 0.475 | 0.636 |
| LT0015R benzo_a_pyrene | air+aerosol | 0.950 | 0.580 | 0.620 | 0.180 | 0.120 | 0.200 | 0.150 | 0.180 | 0.380 | 0.680 | 0.960 | 1.350 |
| NO0042G HCB | air+aerosol | 48.660 | 46.672 | 49.575 | 48.280 | 51.380 | 63.097 | 56.893 | 59.518 | 53.365 | 66.046 | 66.192 | 51.041 |
| NO0042G N1methylphenanthrene | air+aerosol | 0.007 | 0.007 | 0.003 | 0.005 | 0.006 | 0.004 | 0.005 | 0.005 | 0.004 | 0.007 | 0.011 | 0.011 |
| NO0042G N2methylanthracene | air+aerosol | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.001 |
| NO0042G N2methylphenanthrene | air+aerosol | 0.014 | 0.011 | 0.007 | 0.008 | 0.010 | 0.008 | 0.010 | 0.009 | 0.007 | 0.022 | 0.033 | 0.021 |
| NO0042G PCB_101 | air+aerosol | 0.680 | 0.550 | 0.600 | 0.580 | 0.376 | 0.635 | 0.510 | 0.450 | 0.612 | 0.394 | 0.617 | 0.699 |
| NO0042G PCB_105 | air+aerosol | 0.072 | 0.067 | 0.058 | 0.058 | 0.172 | 0.055 | 0.050 | 0.044 | 0.065 | 0.039 | 0.072 | 0.106 |
| NO0042G PCB_114 | air+aerosol | 0.010 | 0.010 | 0.010 | 0.010 | 0.022 | 0.017 | 0.010 | 0.010 | 0.020 | 0.012 | 0.010 | 0.010 |
| NO0042G PCB_118 | air+aerosol | 0.260 | 0.241 | 0.221 | 0.233 | 0.622 | 0.167 | 0.160 | 0.148 | 0.193 | 0.134 | 0.239 | 0.332 |
| NO0042G PCB_122 | air+aerosol | 0.012 | 0.010 | 0.010 | 0.012 | 0.036 | 0.021 | 0.009 | 0.009 | 0.022 | 0.012 | 0.010 | 0.012 |
| NO0042G PCB_123 | air+aerosol | 0.010 | 0.012 | 0.010 | 0.010 | 0.018 | 0.020 | 0.010 | 0.010 | 0.022 | 0.012 | 0.010 | 0.013 |
| NO0042G PCB_128 | air+aerosol | 0.035 | 0.036 | 0.027 | 0.042 | 0.162 | 0.040 | 0.040 | 0.028 | 0.067 | 0.026 | 0.046 | 0.054 |
| NO0042G PCB_138 | air+aerosol | 0.243 | 0.236 | 0.168 | 0.258 | 0.962 | 0.192 | 0.163 | 0.160 | 0.203 | 0.133 | 0.208 | 0.262 |
| NO0042G PCB_141 | air+aerosol | 0.047 | 0.036 | 0.034 | 0.037 | 0.026 | 0.047 | 0.033 | 0.026 | 0.043 | 0.023 | 0.033 | 0.057 |
| NO0042G PCB_149 | air+aerosol | 0.315 | 0.210 | 0.226 | 0.268 | 0.212 | 0.305 | 0.190 | 0.188 | 0.258 | 0.160 | 0.252 | 0.299 |
| NO0042G PCB_153 | air+aerosol | 0.427 | 0.447 | 0.290 | 0.407 | 1.444 | 0.240 | 0.200 | 0.226 | 0.243 | 0.213 | 0.283 | 0.399 |
| NO0042G PCB_156 | air+aerosol | 0.017 | 0.017 | 0.013 | 0.017 | 0.092 | 0.022 | 0.020 | 0.018 | 0.045 | 0.019 | 0.028 | 0.034 |
| NO0042G PCB_157 | air+aerosol | 0.010 | 0.012 | 0.012 | 0.012 | 0.014 | 0.025 | 0.010 | 0.014 | 0.027 | 0.016 | 0.010 | 0.012 |
| NO0042G PCB_167 | air+aerosol | 0.012 | 0.010 | 0.012 | 0.012 | 0.052 | 0.017 | 0.010 | 0.010 | 0.025 | 0.013 | 0.010 | 0.012 |
| NO0042G PCB_170 | air+aerosol | 0.032 | 0.022 | 0.018 | 0.020 | 0.134 | 0.035 | 0.027 | 0.022 | 0.072 | 0.021 | 0.034 | 0.040 |
| NO0042G PCB_18 | air+aerosol | 5.875 | 5.511 | 5.325 | 9.815 | 5.108 | 8.660 | 14.940 | 7.764 | 4.788 | 6.427 | 2.627 | 2.473 |
| NO0042G PCB_180 | air+aerosol | 0.103 | 0.064 | 0.053 | 0.078 | 0.382 | 0.062 | 0.060 | 0.052 | 0.098 | 0.044 | 0.079 | 0.069 |
| NO0042G PCB_183 | air+aerosol | 0.037 | 0.027 | 0.023 | 0.027 | 0.094 | 0.030 | 0.020 | 0.020 | 0.032 | 0.016 | 0.027 | 0.028 |
| NO0042G PCB_187 | air+aerosol | 0.080 | 0.053 | 0.048 | 0.060 | 0.212 | 0.050 | 0.040 | 0.040 | 0.052 | 0.036 | 0.048 | 0.063 |
| NO0042G PCB_189 | air+aerosol | 0.010 | 0.014 | 0.012 | 0.015 | 0.024 | 0.029 | 0.007 | 0.016 | 0.045 | 0.016 | 0.009 | 0.011 |
| NO0042G PCB_194 | air+aerosol | 0.012 | 0.017 | 0.016 | 0.025 | 0.062 | 0.049 | 0.010 | 0.026 | 0.057 | 0.021 | 0.010 | 0.010 |
| NO0042G PCB_206 | air+aerosol | 0.010 | 0.021 | 0.018 | 0.017 | 0.036 | 0.068 | 0.007 | 0.031 | 2.312 | 0.030 | 0.010 | 0.010 |
| NO0042G PCB_209 | air+aerosol | 0.017 | 0.017 | 0.014 | 0.012 | 0.024 | 0.034 | 0.010 | 0.020 | 0.045 | 0.019 | 0.010 | 0.010 |
| NO0042G PCB_28 | air+aerosol | 2.662 | 2.692 | 2.534 | 4.562 | 2.808 | 5.535 | 8.103 | 4.774 | 3.865 | 3.819 | 1.696 | 1.686 |
| NO0042G PCB_31 | air+aerosol | 2.490 | 2.510 | 2.337 | 4.322 | 2.552 | 5.033 | 7.813 | 4.380 | 3.455 | 3.529 | 1.553 | 1.510 |
| NO0042G PCB_33 | air+aerosol | 2.095 | 2.140 | 1.986 | 3.550 | 2.174 | 4.755 | 6.573 | 3.796 | 3.065 | 2.966 | 1.299 | 1.314 |
| NO0042G PCB_37 | air+aerosol | 0.282 | 0.230 | 0.216 | 0.342 | 0.236 | 0.723 | 0.767 | 0.458 | 0.390 | 0.366 | 0.181 | 0.226 |
| NO0042G PCB_47 | air+aerosol | 0.975 | 0.763 | 0.743 | 0.965 | 0.600 | 1.193 | 1.447 | 0.878 | 0.915 | 0.839 | 0.633 | 0.659 |
| NO0042G PCB_52 | air+aerosol | 1.232 | 1.131 | 1.221 | 1.577 | 0.992 | 1.872 | 2.180 | 1.486 | 1.490 | 1.263 | 1.269 | 1.236 |
| NO0042G PCB_60 | air+aerosol | 0.075 | 0.052 | 0.053 | 0.100 | 0.072 | 0.138 | 0.127 | 0.064 | 0.128 | 0.054 | 0.070 | 0.110 |
| NO0042G PCB_66 | air+aerosol | 0.427 | 0.348 | 0.377 | 0.465 | 0.404 | 0.777 | 0.707 | 0.518 | 0.610 | 0.454 | 0.520 | 0.832 |
| NO0042G PCB_74 | air+aerosol | 0.220 | 0.181 | 0.201 | 0.235 | 0.198 | 0.368 | 0.357 | 0.262 | 0.315 | 0.240 | 0.287 | 0.326 |
| NO0042G PCB_99 | air+aerosol | 0.262 | 0.216 | 0.227 | 0.218 | 0.332 | 0.183 | 0.173 | 0.146 | 0.223 | 0.163 | 0.286 | 0.420 |
| NO0042G acenaphtene | air+aerosol | 0.021 | 0.012 | 0.005 | 0.006 | 0.003 | 0.002 | 0.002 | 0.003 | 0.003 | 0.011 | 0.071 | 0.019 |
| NO0042G acenaphtylene | air+aerosol | 0.003 | 0.004 | 0.002 | 0.013 | 0.004 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.009 | 0.009 |
| NO0042G alpha_HCH | air+aerosol | 13.268 | 12.970 | 18.485 | 19.108 | 19.698 | 24.335 | 22.410 | 27.500 | 29.485 | 27.574 | 26.912 | 16.780 |
| NO0042G anthanthrene | air+aerosol | 0.001 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.003 |
| NO0042G anthracene | air+aerosol | 0.003 | 0.003 | 0.002 | 0.003 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.006 | 0.013 | 0.006 |
| NO0042G benz_a_anthracene | air+aerosol | 0.005 | 0.009 | 0.002 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.004 | 0.017 |
| NO0042G benzo_a_pyrene | air+aerosol | 0.003 | 0.008 | 0.002 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.003 | 0.014 |
| NO0042G benzo_e_pyrene | air+aerosol | 0.010 | 0.018 | 0.008 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.007 | 0.022 |
| NO0042G benzo_ghi_perylene | air+aerosol | 0.007 | 0.015 | 0.006 | 0.002 | 0.001 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.006 | 0.020 |
| NO0042G biphenyl | air+aerosol | 1788.500 | 1639.143 | 1286.250 | 0.269 | 0.041 | 0.022 | 0.015 | 0.021 | 0.047 | 0.244 | 1119.878 | 931.332 |
| NO0042G chrysene_triphenylene | air+aerosol | 0.021 | 0.034 | 0.015 | 0.005 | 0.001 | 0.002 | 0.001 | 0.002 | 0.002 | 0.002 | 0.016 | 0.046 |
| NO0042G cis_CD | air+aerosol | 0.668 | 0.563 | 0.607 | 0.975 | 0.828 | 0.875 | 0.787 | 0.910 | 0.763 | 0.873 | 1.181 | 1.058 |
| NO0042G cis_NO | air+aerosol | 0.042 | 0.023 | 0.025 | 0.068 | 0.124 | 0.125 | 0.117 | 0.142 | 0.097 | 0.077 | 0.072 | 0.090 |
| NO0042G coronene | air+aerosol | 0.003 | 0.009 | 0.003 | 0.002 | 0.001 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.003 | 0.010 |
| NO0042G dibenzo_ac_ah_anthracenes | air+aerosol | 0.001 | 0.003 | 0.001 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.003 |

| | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO0042G dibenzofuran | air+aerosol | 2349.750 | 1983.571 | 1827.625 | 297.783 | 0.070 | 0.079 | 0.038 | 0.056 | 0.123 | 0.383 | 693.778 | 1107.453 |
| NO0042G dibenzothiophene | air+aerosol | 0.026 | 0.016 | 0.011 | 0.003 | 0.004 | 0.003 | 0.004 | 0.004 | 0.004 | 0.010 | 0.028 | 0.020 |
| NO0042G fluoranthene | air+aerosol | 0.089 | 0.093 | 0.034 | 0.018 | 0.006 | 0.008 | 0.011 | 0.008 | 0.009 | 0.031 | 0.073 | 0.127 |
| NO0042G fluorene | air+aerosol | 584.478 | 337.449 | 0.367 | 0.067 | 0.024 | 0.022 | 0.026 | 0.028 | 0.040 | 0.113 | 0.593 | 0.608 |
| NO0042G gamma_HCH | air+aerosol | 3.993 | 3.400 | 5.722 | 6.602 | 6.154 | 7.817 | 3.710 | 5.268 | 7.210 | 6.009 | 7.215 | 4.224 |
| NO0042G inden_123cd_pyrene | air+aerosol | 0.007 | 0.014 | 0.006 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.006 | 0.021 |
| NO0042G naphtalene | air+aerosol | 2963.750 | 2831.286 | 670.193 | 0.343 | 0.267 | 0.067 | 0.051 | 0.072 | 0.109 | 0.165 | 661.451 | 2334.411 |
| NO0042G op_DDD | air+aerosol | 0.047 | 0.043 | 0.063 | 0.017 | 0.010 | 0.010 | 0.010 | 0.010 | 0.033 | 0.010 | 0.037 | 0.094 |
| NO0042G op_DDE | air+aerosol | 0.190 | 0.156 | 0.235 | 0.133 | 0.046 | 0.033 | 0.010 | 0.010 | 0.083 | 0.074 | 0.200 | 0.233 |
| NO0042G op_DDT | air+aerosol | 0.322 | 0.249 | 0.254 | 0.318 | 0.120 | 0.225 | 0.100 | 0.102 | 0.453 | 0.200 | 0.430 | 0.389 |
| NO0042G perylene | air+aerosol | 0.001 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.003 |
| NO0042G phenanthrene | air+aerosol | 0.167 | 0.142 | 0.079 | 0.056 | 0.045 | 0.035 | 0.044 | 0.046 | 0.036 | 0.146 | 229.447 | 0.207 |
| NO0042G pp_DDD | air+aerosol | 0.045 | 0.060 | 0.078 | 0.012 | 0.028 | 0.010 | 0.010 | 0.010 | 0.055 | 0.064 | 0.010 | 0.094 |
| NO0042G pp_DDE | air+aerosol | 1.373 | 0.779 | 0.744 | 0.515 | 1.240 | 0.225 | 0.167 | 0.160 | 0.800 | 0.400 | 1.200 | 2.367 |
| NO0042G pp_DDT | air+aerosol | 0.130 | 0.090 | 0.108 | 0.098 | 0.102 | 0.175 | 0.100 | 0.082 | 0.277 | 0.100 | 0.170 | 0.200 |
| NO0042G pyrene | air+aerosol | 0.036 | 0.052 | 0.018 | 0.012 | 0.005 | 0.005 | 0.007 | 0.005 | 0.006 | 0.015 | 0.037 | 0.077 |
| NO0042G trans_CD | air+aerosol | 0.405 | 0.400 | 0.372 | 0.498 | 0.246 | 0.197 | 0.157 | 0.156 | 0.160 | 0.230 | 0.508 | 0.621 |
| NO0042G trans_NO | air+aerosol | 0.555 | 0.474 | 0.485 | 0.897 | 0.864 | 0.738 | 0.573 | 0.694 | 0.583 | 0.647 | 0.922 | 1.034 |
| NO0099R HCB | air+aerosol | 49.625 | 44.767 | 55.901 | 44.900 | 52.375 | 48.460 | 47.033 | 49.100 | 49.625 | 57.275 | 60.285 | 45.325 |
| NO0099R alpha_HCH | air+aerosol | 9.895 | 10.870 | 11.339 | 11.130 | 20.000 | 15.340 | 25.533 | 24.560 | 20.575 | 23.250 | 19.007 | 11.050 |
| NO0099R gamma_HCH | air+aerosol | 9.075 | 5.560 | 8.958 | 10.207 | 15.413 | 17.254 | 27.833 | 25.380 | 20.720 | 27.225 | 12.213 | 5.597 |
| SE0002R PCB_101 | air+aerosol | 1.038 | 1.077 | 1.131 | 1.617 | 1.847 | 1.668 | 3.216 | 2.566 | 2.066 | 2.078 | 1.044 | 1.327 |
| SE0002R PCB_118 | air+aerosol | 0.355 | 0.342 | 0.350 | 0.460 | 0.676 | 0.680 | 1.233 | 0.908 | 0.627 | 0.564 | 0.339 | 0.371 |
| SE0002R PCB_138 | air+aerosol | 0.983 | 0.826 | 0.821 | 1.074 | 1.244 | 1.042 | 1.945 | 1.622 | 1.371 | 1.243 | 0.800 | 1.194 |
| SE0002R PCB_153 | air+aerosol | 0.951 | 0.880 | 0.913 | 1.219 | 1.388 | 1.165 | 2.159 | 1.822 | 1.572 | 1.545 | 0.859 | 1.201 |
| SE0002R PCB_180 | air+aerosol | 0.542 | 0.403 | 0.441 | 0.471 | 0.415 | 0.322 | 0.567 | 0.477 | 0.453 | 0.444 | 0.394 | 0.782 |
| SE0002R PCB_28 | air+aerosol | 1.273 | 0.993 | 1.053 | 1.443 | 1.474 | 0.939 | 1.819 | 2.406 | 1.211 | 1.365 | 0.741 | 1.726 |
| SE0002R PCB_52 | air+aerosol | 1.339 | 1.440 | 1.521 | 1.936 | 1.984 | 1.946 | 3.205 | 2.729 | 2.265 | 2.983 | 1.215 | 1.523 |
| SE0002R anthracene | air+aerosol | 0.067 | 0.042 | 0.042 | 0.030 | 0.007 | 0.008 | 0.004 | 0.003 | 0.019 | 0.015 | 0.039 | 0.142 |
| SE0002R benz_a_anthracene | air+aerosol | 0.109 | 0.075 | 0.150 | 0.030 | 0.021 | 0.029 | 0.021 | 0.059 | 0.030 | 0.031 | 0.086 | 0.218 |
| SE0002R benzo_a_pyrene | air+aerosol | 0.133 | 0.111 | 0.189 | 0.042 | 0.011 | 0.005 | 0.007 | 0.025 | 0.025 | 0.034 | 0.090 | 0.171 |
| SE0002R benzo_ghi_perylene | air+aerosol | 0.136 | 0.117 | 0.197 | 0.043 | 0.014 | 0.007 | 0.006 | 0.007 | 0.024 | 0.036 | 0.098 | 0.214 |
| SE0002R chrysene_triphenylene | air+aerosol | 0.248 | 0.207 | 0.310 | 0.101 | 0.037 | 0.020 | 0.019 | 0.065 | 0.053 | 0.064 | 0.179 | 0.406 |
| SE0002R fluoranthene | air+aerosol | 0.940 | 0.830 | 1.025 | 0.444 | 0.203 | 0.108 | 0.096 | 0.080 | 0.194 | 0.246 | 0.575 | 1.308 |
| SE0002R inden_123cd_pyrene | air+aerosol | 0.142 | 0.126 | 0.225 | 0.055 | 0.016 | 0.009 | 0.006 | 0.008 | 0.026 | 0.043 | 0.116 | 0.256 |
| SE0002R phenanthrene | air+aerosol | 2.240 | 1.721 | 1.866 | 1.204 | 0.653 | 0.377 | 0.389 | 0.278 | 0.616 | 0.558 | 1.313 | 3.142 |
| SE0002R pyrene | air+aerosol | 0.630 | 0.526 | 0.676 | 0.274 | 0.111 | 0.063 | 0.046 | 0.043 | 0.134 | 0.166 | 0.395 | 0.910 |
| SE0012R PCB_101 | air+aerosol | 1.270 | 0.530 | 0.520 | 1.810 | 2.450 | 1.190 | 0.830 | 0.970 | 1.300 | 1.340 | 0.800 | 0.790 |
| SE0012R PCB_118 | air+aerosol | 0.530 | 0.200 | 0.180 | 0.560 | 0.970 | 0.360 | 0.300 | 0.340 | 0.530 | 0.410 | 0.300 | 0.280 |
| SE0012R PCB_138 | air+aerosol | 0.640 | 0.310 | 0.260 | 0.870 | 1.180 | 0.560 | 0.420 | 0.490 | 0.660 | 0.650 | 0.420 | 0.400 |
| SE0012R PCB_153 | air+aerosol | 0.800 | 0.380 | 0.320 | 1.150 | 1.500 | 0.750 | 0.550 | 0.620 | 0.830 | 0.880 | 0.530 | 0.500 |
| SE0012R PCB_180 | air+aerosol | 0.270 | 0.150 | 0.130 | 0.300 | 0.330 | 0.190 | 0.180 | 0.190 | 0.270 | 0.220 | 0.180 | 0.160 |
| SE0012R PCB_28 | air+aerosol | 2.560 | 0.920 | 1.050 | 3.040 | 4.920 | 1.690 | 1.330 | 1.520 | 2.480 | 1.870 | 1.870 | 1.870 |
| SE0012R PCB_52 | air+aerosol | 1.920 | 0.820 | 0.900 | 2.750 | 3.620 | 1.620 | 1.180 | 1.380 | 1.980 | 1.800 | 1.150 | 1.140 |
| SE0012R anthracene | air+aerosol | 0.088 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.003 | 0.026 | 0.026 | 0.006 | 0.005 |
| SE0012R benz_a_anthracene | air+aerosol | 0.196 | 0.015 | 0.014 | 0.007 | 0.005 | 0.003 | 0.001 | 0.000 | 0.005 | 0.029 | 0.005 | 0.005 |
| SE0012R benzo_a_pyrene | air+aerosol | 0.255 | 0.000 | 0.026 | 0.010 | 0.009 | 0.005 | 0.005 | 0.005 | 0.037 | 0.054 | 0.032 | 0.032 |
| SE0012R benzo_ghi_perylene | air+aerosol | 0.114 | 0.003 | 0.029 | 0.014 | 0.004 | 0.005 | 0.005 | 0.004 | 0.044 | 0.066 | 0.056 | 0.067 |
| SE0012R fluoranthene | air+aerosol | 1.450 | 1.180 | 0.160 | 0.220 | 0.410 | 0.100 | 0.130 | 0.230 | 0.190 | 0.360 | 0.290 | 0.370 |
| SE0012R inden_123cd_pyrene | air+aerosol | 0.160 | 0.006 | 0.033 | 0.014 | 0.006 | 0.007 | 0.005 | 0.005 | 0.069 | 0.110 | 0.069 | 0.083 |
| SE0012R phenanthrene | air+aerosol | 1.360 | 0.640 | 0.360 | 0.630 | 0.340 | 0.330 | 0.300 | 0.300 | 0.330 | 0.530 | 0.630 | 0.780 |
| SE0012R pyrene | air+aerosol | 1.000 | 0.500 | 0.070 | 0.060 | 0.150 | 0.020 | 0.040 | 0.030 | 0.100 | 0.180 | 0.160 | 0.200 |

# Annex 9

# List of data reports

Data Report October 1977-September 1978.
EMEP/CCC-Report 3/80 by J. Schaug, H. Dovland, J.E. Skjelmoen.
Lillestrøm, Norwegian Institute for Air Research, 1980.

Data Report October 1978-September 1979.
EMEP/CCC-Report 4/81 by J.E. Skjelmoen, H. Dovland, J. Schaug.
Lillestrøm, Norwegian Institute for Air Research, 1981.

Data Report October 1979-September 1980.
EMEP/CCC-Report 5/84 by J.E. Skjelmoen, J. Schaug.
Lillestrøm, Norwegian Institute for Air Research, 1984.

Data Report October 1980-September 1981.
EMEP/CCC-Report 6/84 by J.E. Skjelmoen, J. Schaug.
Lillestrøm, Norwegian Institute for Air Research, 1984.

Data Report October 1981-September 1982.
EMEP/CCC-Report 2/85 by K. Nodop, J.E. Skjelmoen, J. Schaug.
Lillestrøm, Norwegian Institute for Air Research, 1985.

Data Report October 1982-December 1982.
EMEP/CCC-Report 4/86 by J. Schaug, A. Harstad, T. Krognes, J.E. Skjelmoen.
Lillestrøm, Norwegian Institute for Air Research, 1986.

Data Report January 1983-December 1983.
EMEP/CCC-Report 5/86 by J. Schaug, A. Harstad, T. Krognes,
J.E. Skjelmoen.
Lillestrøm, Norwegian Institute for Air Research, 1986.

Data Report January 1984-June 1984.
EMEP/CCC-Report 1/87 by J. Schaug, J. Pacyna, A. Harstad, T. Krognes,
J.E. Skjelmoen.
Lillestrøm, Norwegian Institute for Air Research, 1987.

Data Report July 1984-December 1984.
EMEP/CCC-Report 2/87 by J. Schaug, J. Pacyna, A. Harstad, T. Krognes,
J.E. Skjelmoen.
Lillestrøm, Norwegian Institute for Air Research, 1987.

Data Report January 1985-June 1985.
EMEP/CCC-Report 5/87 by J. Pacyna, J. Schaug, A. Harstad, T. Krognes,
J.E. Skjelmoen.
Lillestrøm, Norwegian Institute for Air Research, 1987.

Data Report July 1985-December 1985.
EMEP/CCC-Report 6/87 by J. Pacyna, J. Schaug, A. Harstad, T. Krognes,
J.E. Skjelmoen.
Lillestrøm, Norwegian Institute for Air Research, 1987.

European Precipitation Chemistry Atlas.
An Atlas of monthly and seasonal maps of precipitation amount, non-marine sulphate, nitrate, ammonium and hydrogen ion concentrations and depositions based on the EMEP precipitation network: October 1977 to September 1982.
EMEP/CCC-Report 5/88 by R.J. Barthelmie, T.D. Davies, G. Farmer, J. Schaug.
Norwich/Lillestrøm, Climatic Research Unit, University of East Anglia/ Norwegian Institute for Air Research, 1988.

Data Report 1986. Part 1: Annual summaries.
EMEP/CCC-Report 6/88 by J. Schaug, J.E. Skjelmoen, S.E. Walker, A. Harstad, K. Nodop, J. Pacyna
Lillestrøm, Norwegian Institute for Air Research, 1988.

Data Report 1986. Part 2: Monthly and seasonal summaries.
EMEP/CCC-Report 7/88 by J. Schaug, J.E. Skjelmoen, S.E. Walker, A. Harstad, K. Nodop, J. Pacyna
Lillestrøm, Norwegian Institute for Air Research, 1988.

Data Report 1987. Part 1: Annual summaries.
EMEP/CCC-report 1/89 by J. Schaug, J.E. Skjelmoen, S.E. Walker, U. Pedersen, A. Harstad
Lillestrøm, Norwegian Institute for Air Research, 1989.

Data Report 1987. Part 2: Monthly and seasonal summaries.
EMEP/CCC-Report 2/89 by J. Schaug, J.E. Skjelmoen, S.E. Walker, U. Pedersen, A. Harstad
Lillestrøm, Norwegian Institute for Air Research, 1989.

Ozone measurements January 1985-December 1985.
EMEP/CCC-Report 3/89 by U. Feister, U. Pedersen.
Potsdam/Lillestrøm, Meteorological Service of the GDR/Norwegian Institute for Air Research, 1989.

Data Report 1988. Part 1: Annual summaries.
EMEP/CCC-Report 4/90 by U. Pedersen, J. Schaug, J.E. Skjelmoen, J.E. Hanssen.
Lillestrøm, Norwegian Institute for Air Research, 1990.

Data Report 1988. Part 2: Monthly and seasonal summaries.
EMEP/CCC-Report 5/90 by U. Pedersen, J. Schaug, J.E. Skjelmoen, J.E. Hanssen.
Lillestrøm, Norwegian Institute for Air Research, 1990.

European Precipitation Chemistry Atlas (Volume 2).
An Atlas of monthly and seasonal maps of precipitation amount, non-marine sulphate, nitrate, ammonium and hydrogen ion concentrations and depositions based on the EMEP precipitation network: October 1982 to December 1985.
EMEP/CCC-Report 6/90 by T.D. Davies, R.J. Barthelmie, M. Varley, S. Dorling, G. Farmer, J. Schaug.
Norwich/Lillestrøm, Climatic Research Unit, University of East Anglia/ Norwegian Institute for Air Research, 1990.

Ozone measurements January 1986-December 1986.
EMEP/CCC-Report 8/90 by U. Feister, U. Pedersen, E. Schulz, S. Hechler.
Potsdam/Lillestrøm, Meteorological Service of the GDR/Norwegian Institute for Air Research, 1990.

Data Report 1989. Part 1: Annual summaries.
EMEP/CCC-Report 2/91 by J. Schaug, U. Pedersen, J.E. Skjelmoen.
Lillestrøm, Norwegian Institute for Air Research, 1991.

Data Report 1989. Part 2: Monthly and seasonal summaries.
EMEP/CCC-Report 3/91 by J. Schaug, U. Pedersen, J.E. Skjelmoen.
Lillestrøm, Norwegian Institute for Air Research, 1991.

Ozone Data Report 1988.
EMEP/CCC-Report 1/92 by U. Pedersen.
Lillestrøm, Norwegian Institute for Air Research, 1992.

Data Report 1990. Part 1: Annual summaries.
EMEP/CCC-Report 2/92 by U. Pedersen, J. Schaug, J.E. Skjelmoen.
Lillestrøm, Norwegian Institute for Air Research, 1992.

Data Report 1990. Part 2: Monthly and Seasonal Summaries.
EMEP/CCC-Report 3/92 by J. Schaug, U. Pedersen, J.E. Skjelmoen, I. Kvalvågnes.
Lillestrøm, Norwegian Institute for Air Research, 1992.

European Precipitation Chemistry Atlas (Volume 3). An Atlas of monthly and seasonal maps of precipitation amount, non-sea-salt sulphate, nitrate, ammonium and hydrogen ion concentrations and depositions based on the EMEP precipitation chemistry network: January 1986 to December 1989.
EMEP/CCC-Report 6/92 by T.D. Davies, S. Glynn, R.J. Barthelmie, J. Schaug.
Norwich/Lillestrøm, Climate Research Unit, University of East Anglia, Norwegian Institute for Air Research, 1992.

Ozone Data Report 1989.
EMEP/CCC-Report 2/93 by U. Pedersen, I. Kvalvågnes.
Lillestrøm, Norwegian Institute for Air Research, 1993.

Data Report 1991. Part 1: Annual summaries.
EMEP/CCC-Report 4/93 by J. Schaug, U. Pedersen, J.E. Skjelmoen,
I. Kvalvågnes.
Lillestrøm, Norwegian Institute for Air Research, 1993.

Data Report 1991. Part 2: Monthly and seasonal summaries.
EMEP/CCC-Report 5/93 by J. Schaug, U. Pedersen, J.E. Skjelmoen,
I. Kvalvågnes.
Lillestrøm, Norwegian Institute for Air Research, 1993.

VOC measurements August 1992-June 1993.
EMEP/CCC-Report 6/93 by S. Solberg, N. Schmidbauer, C. Dye, U. Pedersen,
J. Schaug.
Lillestrøm, Norwegian Institute for Air Research, 1993.

VOC measurements 1993.
EMEP/CCC-Report 3/94 by S. Solberg, C. Dye, N. Schmidbauer.
Lillestrøm, Norwegian Institute for Air Research, 1994.

Data Report 1992. Part 1: Annual summaries.
EMEP/CCC-Report 4/94 by J. Schaug, U. Pedersen, J.E. Skjelmoen, K. Arnesen,
A. Bartonova.
Lillestrøm. Norwegian Institute for Air Research, 1994.

Data Report 1992. Part 2: Monthly and seasonal summaries.
EMEP/CCC-Report 5/94 by J. Schaug, U. Pedersen, J.E. Skjelmoen and
K. Arnesen.
Lillestrøm, Norwegian Institute for Air Research, 1994.

Ozone Measurements 1990-1992.
EMEP/CCC-Report 4/95 by A.-G. Hjellbrekke.
Kjeller, Norwegian Institute for Air Research, 1995.

Data Report 1993. Part 1: Annual summaries.
EMEP/CCC-Report 7/95 by A.-G. Hjellbrekke, G. Lövblad, K. Sjöberg,
J. Schaug, J.E. Skjelmoen.
Kjeller, Norwegian Institute for Air Research, 1995.

Data Report 1993. Part 2: Monthly and seasonal summaries.
EMEP/CCC-Report 8/95 by G. Lövblad, A.-G. Hjellbrekke, K. Sjöberg,
J.E. Skjelmoen, J. Schaug.
Kjeller, Norwegian Institute for Air Research, 1995.

Ozone Measurements 1993-1994.
EMEP/CCC-Report 1/96 by A.G. Hjellbrekke.
Kjeller, Norwegian Institute for Air Research, 1996.

Data Report 1994. Part 1: Annual summaries.
EMEP/CCC-Report 4/96 by A.-G. Hjellbrekke, J. Schaug, J.E. Skjelmoen.
Kjeller, Norwegian Institute for Air Research, 1996.

Data Report 1994. Part 2: Monthly and seasonal summaries.
EMEP/CCC-Report 5/96 by A.-G. Hjellbrekke, J. Schaug, J.E. Skjelmoen.
Kjeller, Norwegian Institute for Air Research, 1996.

VOC measurements 1994–1995.
EMEP/CCC-Report 6/96 by S. Solberg, C. Dye, N. Schmidbauer.
Lillestrøm, Norwegian Institute for Air Research, 1996.

Heavy metals and POPs within the ECE region.
EMEP/CCC-Report 8/96 by T. Berg, A.-G. Hjellbrekke, J.E. Skjelmoen.
Kjeller, Norwegian Institute for Air Research, 1996.

Ozone Measurements 1995.
EMEP/CCC-Report 3/97 by A.-G. Hjellbrekke.
Kjeller, Norwegian Institute for Air Research, 1997.

Data Report 1995. Part 1: Annual summaries.
EMEP/CCC-Report 4/97 by A.-G. Hjellbrekke, J. Schaug, J.E. Hanssen,
J.E. Skjelmoen.
Kjeller, Norwegian Institute for Air Research, 1997.

Data Report 1995. Part 2: Monthly and seasonal summaries.
EMEP/CCC-Report 5/97 by A.-G. Hjellbrekke, J. Schaug, J.E. Hanssen,
J.E. Skjelmoen.
Kjeller, Norwegian Institute for Air Research, 1997.

VOC measurements 1996.
EMEP/CCC-Report 7/97 by S. Solberg, C. Dye, S. Reimann, N. Schmidbauer.
Lillestrøm, Norwegian Institute for Air Research, 1997.

Heavy metals and POPs within the ECE region. Additional data.
EMEP/CCC-Report 9/97 by T. Berg, A.-G. Hjellbrekke, N. Ritter.
Kjeller, Norwegian Institute for Air Research, 1997.

Data Report 1996. Part 1: Annual summaries.
EMEP/CCC-Report 1/98 by A.-G. Hjellbrekke, J.E. Hanssen.
Kjeller, Norwegian Institute for Air Research, 1998.

Data Report 1996. Part 2: Monthly and seasonal summaries.
EMEP/CCC-Report 2/98 by A.-G. Hjellbrekke, J.E. Hanssen.
Kjeller, Norwegian Institute for Air Research, 1998.

Ozone Measurements 1996.
EMEP/CCC-Report 3/98 by A.-G. Hjellbrekke.
Kjeller, Norwegian Institute for Air Research, 1998.

VOC measurements 1997.
EMEP/CCC-Report 4/98 by S. Solberg, P. Coddeville, C. Dye, J. Honzák, N. Schmidbauer.
Kjeller, Norwegian Institute for Air Research, 1998.

Ozone Measurements 1997.
EMEP/CCC-Report 2/99 by A.-G. Hjellbrekke.
Kjeller, Norwegian Institute for Air Research, 1999.

Data Report 1997. Part 1: Annual summaries.
EMEP/CCC-Report 3/99 by A.-G. Hjellbrekke.
Kjeller, Norwegian Institute for Air Research, 1999.

Data Report 1997. Part 2: Monthly and seasonal summaries.
EMEP/CCC-Report 4/99 by A.-G. Hjellbrekke.
Kjeller, Norwegian Institute for Air Research, 1999.

VOC measurements 1998.
EMEP/CCC-Report 5/99 by S. Solberg.
Kjeller, Norwegian Institute for Air Research, 1999.

Heavy metals and POPs within the ECE region 1997.
EMEP/CCC-Report 7/99 by T. Berg, A.-G. Hjellbrekke.
Kjeller, Norwegian Institute for Air Research, 1999.

Heavy metals and POPs in Europe 1998.
EMEP/CCC-Report 2/2000 by T. Berg, A.-G. Hjellbrekke, R. Larsen.
Kjeller, Norwegian Institute for Air Research, 2000.

Data Report 1998. Part 1: Annual summaries.
EMEP/CCC-Report 3/2000 by A.-G. Hjellbrekke.
Kjeller, Norwegian Institute for Air Research, 2000.

Data Report 1998. Part 2: Monthly and seasonal summaries.
EMEP/CCC-Report 4/2000 by A.-G. Hjellbrekke.
Kjeller, Norwegian Institute for Air Research, 2000.

Ozone Measurements 1998.
EMEP/CCC-Report 5/2000 by A.-G. Hjellbrekke.
Kjeller, Norwegian Institute for Air Research, 2000.

Ozone Measurements 1999.
EMEP/CCC-Report 1/2001 by A.-G. Hjellbrekke, S. Solberg.
Kjeller, Norwegian Institute for Air Research, 2001.

Data Report 1999. Acidifying and eutrophying compounds. Part 1: Annual summaries.
EMEP/CCC-Report 2/2001 by A.-G. Hjellbrekke.
Kjeller, Norwegian Institute for Air Research, 2001.

Data Report 1999. Acidifying and eutrophying compounds. Part 2: Monthly and seasonal summaries.
EMEP/CCC-Report 3/2001 by A.-G. Hjellbrekke.
Kjeller, Norwegian Institute for Air Research, 2001.

VOC measurements 1999.
EMEP/CCC-Report 7/2001 by S. Solberg, C. Dye, M. Roemer, N. Schmidbauer.
Kjeller, Norwegian Institute for Air Research, 2001.

Heavy metals and POPs within the ECE region 1999.
EMEP/CCC-Report 9/2001 by T. Berg, A.-G. Hjellbrekke, R. Larsen.
Kjeller, Norwegian Institute for Air Research, 2001.

Ozone measurements 2000.
EMEP/CCC-Report 5/2002 by A.-G. Hjellbrekke, S. Solberg.
Kjeller, Norwegian Institute for Air Research, 2002.

Data Report 2000. Acidifying and eutrophying compounds. Part 1: Annual summaries.
EMEP/CCC-Report 6/2002 by A.-G. Hjellbrekke.
Kjeller, Norwegian Institute for Air Research, 2002.

Data Report 2000. Acidifying and eutrophying compounds. Part 2: Monthly and seasonal summaries.
EMEP/CCC-Report 7/2002 by A.-G. Hjellbrekke.
Kjeller, Norwegian Institute for Air Research, 2002.

VOC measurements 2000.
EMEP/CCC-Report 8/2002 by S. Solberg, C. Dye, N. Schmidbauer, M. Wallasch, R. Junek.
Kjeller, Norwegian Institute for Air Research, 2002.

Heavy metals and POPs within the EMEP region 2000.
EMEP/CCC-Report 9/2002 by T. Berg, A.-G. Hjellbrekke, R. Larsen.
Kjeller, Norwegian Institute for Air Research, 2002.

Heavy metals and POP measurements, 2001.
EMEP/CCC-Report 1/2003 by W. Aas, A.-G. Hjellbrekke.
Kjeller, Norwegian Institute for Air Research, 2003.

VOC measurements 2001.
EMEP/CCC-Report 2/2003 by S. Solberg.
Kjeller, Norwegian Institute for Air Research, 2003.

Data Report 2001. Acidifying and eutrophying compounds.
EMEP/CCC-Report 3/2003 by A.-G. Hjellbrekke.
Kjeller, Norwegian Institute for Air Research, 2003.

Ozone measurements 2001.
EMEP/CCC-Report 4/2003 by A.-G. Hjellbrekke, S. Solberg.
Kjeller, Norwegian Institute for Air Research, 2003.