OSPAR COMMISSION

Comprehensive Atmospheric Monitoring Programme (CAMP)

Deposition of air pollutants around the North Sea and the North-East Atlantic in 2013

2015

Monitoring and Assessment Series

OSPAR Convention

The Convention for the Protection of the Marine Environment of the North-East Atlantic (the "OSPAR Convention") was opened for signature at the Ministerial Meeting of the former Oslo and Paris Commissions in Paris on 22 September 1992. The Convention entered into force on 25 March 1998. The Contracting Parties are Belgium, Denmark, the European Union, Finland, France, Germany, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom of Great Britain and Northern Ireland.

Convention OSPAR

La Convention pour la protection du milieu marin de l'Atlantique du Nord-Est, dite Convention OSPAR, a été ouverte à la signature à la réunion ministérielle des anciennes Commissions d'Oslo et de Paris, à Paris le 22 septembre 1992. La Convention est entrée en vigueur le 25 mars 1998. Les parties contractantes sont : l'Allemagne, la Belgique, le Danemark, l'Espagne, la Finlande, la France, l'Irlande, l'Islande, le Luxembourg, la Norvège, les Pays-Bas, le Portugal, le Royaume-Uni de Grande Bretagne et d'Irlande du Nord, la Suède, la Suisse et l'Union européenne.

Acknowledgement

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Contents

Executive summary

This report presents the results of monitoring undertaken by OSPAR Contracting Parties for the Comprehensive Atmospheric Monitoring Programme (CAMP) during 2013. Under the CAMP, OSPAR Contracting Parties are committed to monitoring, on a mandatory basis, the concentrations of a range of metals, organic compounds and nutrients in precipitation and air. The CAMP also encourages OSPAR Contracting Parties to monitor, on a voluntary basis, additional compounds (such as certain persistent organic pollutants). The report gives detailed information on observed atmospheric inputs of selected contaminants to the OSPAR maritime area and its regions during 2013.

Region II, the Greater North Sea, remains the most intensely observed sub-region. Sub-regional coasts that are most underrepresented are the Irish Sea (Region III), the Bay of Biscay (Region IV), and the far north-east (Region I).

All Contracting Parties reported data for 2013. For most Parties some elements are missing and do not therefore comply completely with the monitoring obligation defined by CAMP.

The regional distribution of the various pollutants shows in general elevated levels closest to main source areas, though there is some variability in a few sites which may be more influenced by local or nearby sources.

Time trends show decreases in nitrogen, heavy metals and γ-HCH in accordance with the general emission reductions in Europe the last decades.

Deposition of air pollutants around the North Sea and North-East Atlantic in 2013

1 Introduction

This report collates and describes the observations from coastal monitoring stations across the OSPAR region (see Figure 1.1) under the Comprehensive Atmospheric Monitoring Programme (CAMP). This forms one element within the wider Joint Assessment and Monitoring Programme of OSPAR. The CAMP aims to assess, as accurately as appropriate, the atmospheric input of the selected contaminants to the maritime area and regions thereof (Figure 1.1) on an annual basis through monitoring the concentrations of selected contaminants in precipitation and air.

Figure 1.1: OSPAR maritime area and regions. Region I : Arctic Waters; Region II: Great North Sea; Region III: Celtic Seas; Region IV: Bay of Biscay and Iberian Coast; Region V: Wider Atlantic.

The components of interest to the CAMP are divided into two groups, for measurement on a mandatory basis and for measurement on a voluntary basis. These are listed in Table 1.1.

The CAMP Principles call for each Contracting Party bordering the OSPAR maritime area (excluding the EU) to operate at least one monitoring station on the coast and/or offshore as part of the CAMP. Where Parties border more than one region (see Figure 1.1) at least one station should be operating in each. The stations should be so-called "background stations", i.e. not directly influenced by local emission sources. The stations should be located not more than 10 km from the coastline.

Table 1.1: Components to be measured under CAMP.

	Mandatory	Voluntary
Precipitation	As, Cd, Cr, Cu, Pb, Hg, Ni, Zn, γ-HCH, NH_4^+, NO_3^-	PCB 28,52,101,118,138,153,180 PAHs: Phenanthrene, anthracene, flouranthene, pyrene, benzo(*a*)anthracene, chrysene, benzo(*a*)pyrene, benzo(*ghi*)perylene, indeno(*1,2,3-cd*)pyrene
Airborne	NO_2, HNO_3, NH_3, NH_4^{+a}, NO_3^{-a}	As, Cd, Cr, Cu, Pb, Hg, Ni, Zn, γ-HCH, PCB 28,52,101,118,138,153,180, PAHs: Phenanthrene, anthracene, flouranthene, pyrene, benzo(*a*)anthracene, chrysene, benzo(*a*)pyrene, benzo(*ghi*)perylene, indeno(*1,2,3-cd*)pyrene, NO

[a]) total ammonium (NH_3 + NH_4^+) and total nitrate (HNO_3 +NO_3^-) is an alternative

The data assembled by monitoring stations are reported by Contracting Parties to the Norwegian Institute for Air Research (NILU) on a yearly basis, using a reporting format and according to the time schedule set out in the CAMP Principles, which are harmonised with the reporting obligations under EMEP (European Monitoring and Evaluation Programme). Data are stored in the international database http://ebas.nilu.no/, and NILU prepares a CAMP data report on an annual basis for OSPAR.

The present CAMP data report "*Pollutant depositions in the OSPAR region of the North-East Atlantic in 2013*" gives in Chapter 2 an overview of reported data, and a discussion if the Parties are in compliance with their monitoring obligations. In Chapter 3, the 2013 observed annual average concentrations are mapped. Chapter 4 provides overviews of temporal patterns in the observations in the two last decades, and indications of significant trends or not.

2 The OSPAR CAMP Monitoring Programme

2.1 Geographical coverage and completeness

Table 2.1 and Figure 2.1 illustrate what has been reported to CAMP for the year 2013. Their coordinates are given in the Annex, Table A.1.1. A dark green colour in the table indicates that the component measured is part of the mandatory and voluntary programme, while light green means that the component measured is not as defined in Table 1.1; i.e. if particulate mercury is measured in air and not elemental mercury; or various Persistant Organic Pollutants (POPs) are measured, but not γ-HCH. The maps show the regional distribution of sites and the colour code indicate the level of completeness at the individual site. It is recommended to have as complete a monitoring programme as possible to better assess the pollution level and to study what are the main sources, and atmospheric processes. The dark blue colour indicates which sites include all component groups covered by CAMP (nitrogen, heavy metals and POPs).

region	Site	Name	In precipitation NO3	NH4	HM	Hg	POP	In air NO2	Nox	Nred	HM	Hg	POP
	IS0090R	Reykjavik											
	IS0091R	Storhofdi											
	NO0039R	Kårvatn											
	NO0090R	Andøya											
	NO0042G	Zeppelin											
	BE0011R	Moerkerke											
	BE0013R	Houtem											
	BE0014R	Koksijde											
	DE0001R	Westerland											
	DK0005R	Keldsnor											
	DK0008R	Anholt											
	DK0022R	Sepstrup Sande											
	DK0031R	Ulborg											
	FR0090R	Porspoder											
	GB0013R	Yarner Wood											
II	GB0014R	High Muffles											
	GB0015R	Strath Vaich Dam											
	GB0036R	Harwell											
	GB0048R	Auchencorth Moss											
	NL0009R	Kollumerwaard											
	NL0091R	De Zilk											
	NO0001R	Birkenes											
	NO0554R	Haukeland											
	NO0572R	Vikedal											
	NO0655R	Nausta											
	SE0014R	Råö											
	GB0006R	Lough Navar											
III	IE0001R	Valentia											
	ES0005R	Noya											
	ES0017R	Doñana											
IV	ES0008R	Niembro											
	PT0006R	Alfragide											
	PT0004R	Monte Velho											

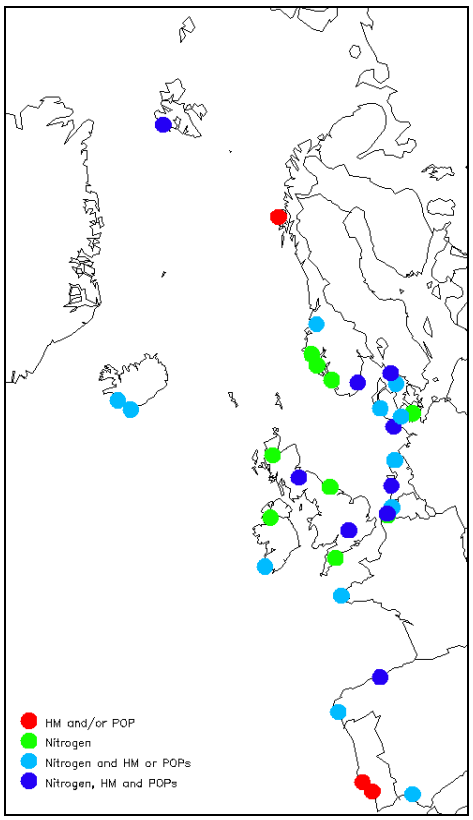

Table 2.1 and Figure 2.1: Monitoring sites reporting, reduced and oxidised nitrogen compounds, heavy metals (HM), mercury and persistent organic pollutants (POPs) to CAMP in 2013.

It is mandatory for all the Parties to OSPAR to monitor in accordance to the CAMP programme at least one site as described in the introduction. Table 2.2 gives an overview of which Parties are in compliance and which are not. Dark green means data are reported as defined in Table 1.1; while red means no data. A light green colour is used when it is an incomplete programme, i.e. if only particulate nitrogen is included and not nitric acid (or sum of nitrate). Only

Norway and Sweden have full compliance. Several Parties do not measure γ-HCH or mercury in precipitation; however, it should be noted that there are more sites measuring these compounds in air.

	In precipitation											In air		
Site	NO_3^-	NH_4^+	As	Cd	Cr	Cu	Pb	Ni	Zn	Hg	γHCH	NO_2	Nox	Nred
Iceland														
Norway														
Belgium														
Germany														
Denmark														
France														
UK														
Netherlands														
Sweden														
Ireland														
Spain														
Portugal														

Table 2.2: Overview of reported data from mandatory monitoring of contaminants. Dark green means data reported, red means no data, while light green means an incomplete programme.

Parties report a wider range of components than is covered by CAMP. The main body of this report is a description of observations defined by the CAMP programme. Excluded are i.e. major ions, which are reported to provide the potential for quality control, and compounds which are a part of other international programmes, but which may be expected to lie outside the core interest of OSPAR, e.g. sulphates, ozone, and PM measurements. Most of the sites are also part of the European Monitoring and Evaluation Programme (EMEP) and the monitoring obligations in EMEP is more extensive (UNECE; 2009). All the components reported by Contracting Parties during 2013 are uploaded in the database and are accessible from http://ebas.nilu.no/.

3 Concentrations in 2013

This section describes the observed concentrations at coastal stations around the North-East Atlantic in 2013. Note that the colour codes are only used to show the spatial spread of the data, to indicate which regions have the highest and lowest levels compared to each other, and not necessarily if the levels are higher than what is acceptable from a critical load perspective.

In the maps, volume weighted means are calculated in accordance with the defined EMEP procedures. To address the total load of pollutants, it is necessarily to look at the deposition. The wet depositions are given in the annexes together with the concentrations. For pollutants in air, concentrations only are given. There is a large uncertainty in using dry deposition velocities to estimate the deposition from gases and particulate, and it is beyond the scope of this report to address this complicated issue. It is however recognised that dry deposition can be just as important as, or higher than the wet deposition, especially in dry regions.

3.1 Metals in air and precipitation

Heavy metals are of major environmental concern due to their persistence, ability to bio-accumulate and their negative effect on human health and the environment. Therefore regulation of these elements has been a priority both on a regional (OSPAR; HELCOM, CLRTAP, EEA) and global scale (UNEP).

The concentrations of heavy metals in air and precipitation shown in Figure 3.1 -3.6 resemble the emission distribution in this region fairly well (see Pacyna et al., 2009). The lowest concentrations are generally observed in northern Scandinavia and the westernmost part of Europe. The highest levels were for some elements observed in the Benelux countries while for other; highest levels are seen in Portugal or Denmark. One should notice that the detection limit for the Portuguese measurements are for some elements higher than the ambient concentration and

these data should be looked upon as an upper concentration level. In Iceland there are very high levels of chromium, which may be due to local sources. The regional distribution in air and precipitation is not comparable for all elements. i.e. in the Benelux countries, the cadmium concentrations in aerosols are relatively high, but this is not the case in precipitation. This may be due to influence of regional or more local sources, which can give high air concentrations, but these aerosols are not necessarily scavenged by wet deposition nearby.

The spatial distribution of elemental mercury in air (Figure 3.6), does not follow the same spatial pattern as the other heavy metals. The lowest annual average of gaseous mercury (Hg(g)) was seen in Spain while Norway had the highest concentrations. In precipitation, the highest concentrations are in the Netherlands and the lowest in Great Brirain. The spatial pattern of especially mercury air concentrations differs from the primary emission pattern because mercury has a long residence time in the atmosphere and that re-emission from soil and ocean may affect sites that are more distant.

In addition to mapping of the annual concentrations, corresponding tables of monthly and annual wet deposition and volume weighted means of concentrations both in air and precipitation are presented in the Annex 2.

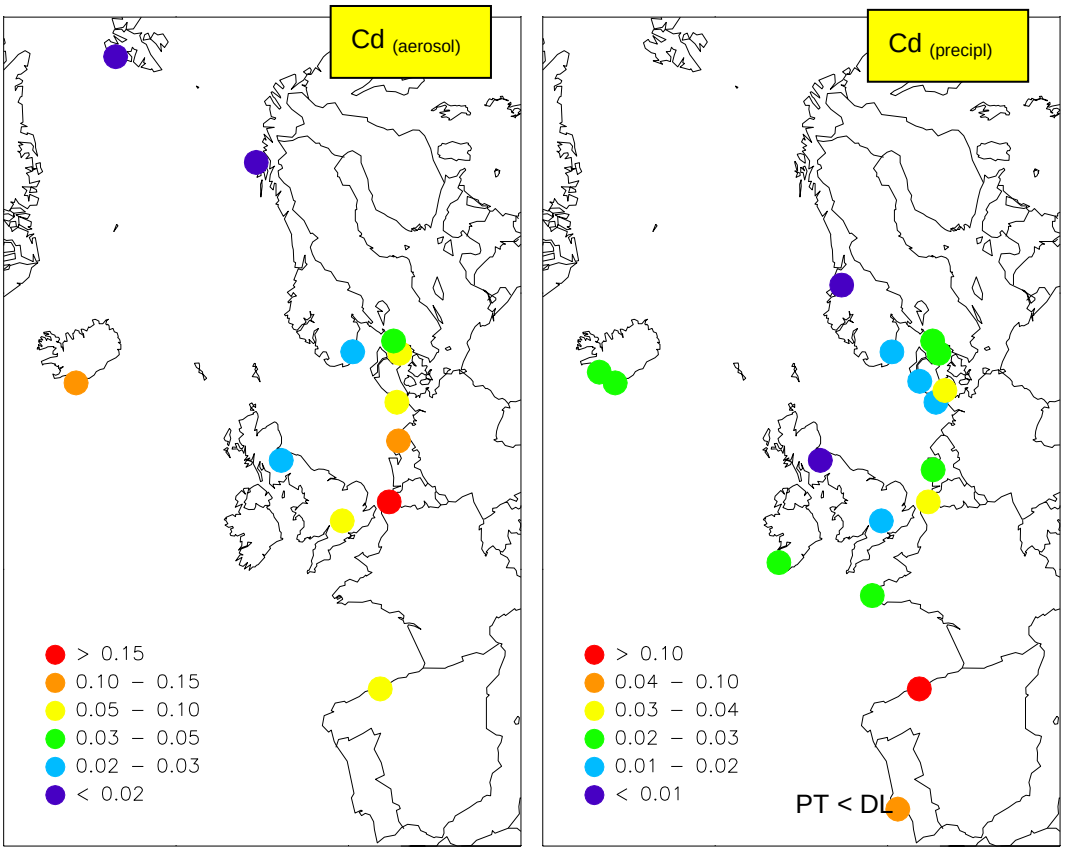

Figure 3.1: Annual concentrations of cadmium in air (µg/m^3) and precipitation (µg/L), 2013

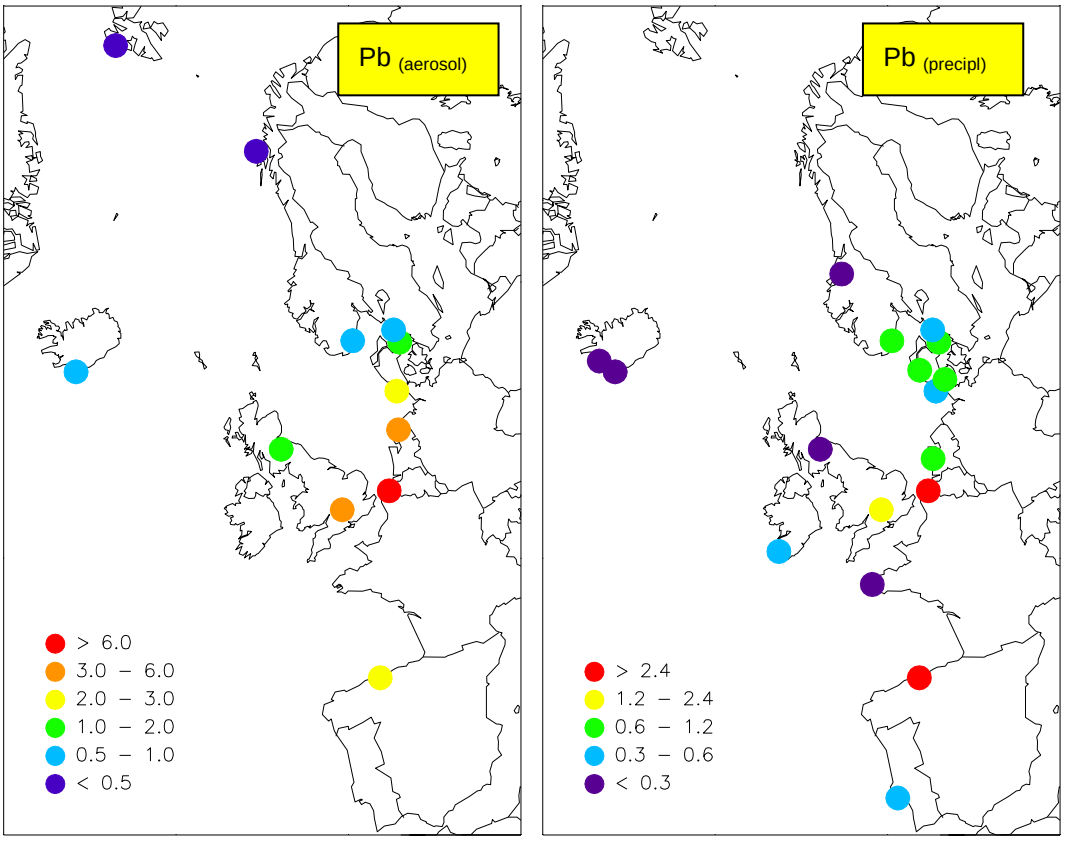

Figure 3.2: Annual concentrations of lead in air (µg/m^3) and precipitation (µg/L), 2013

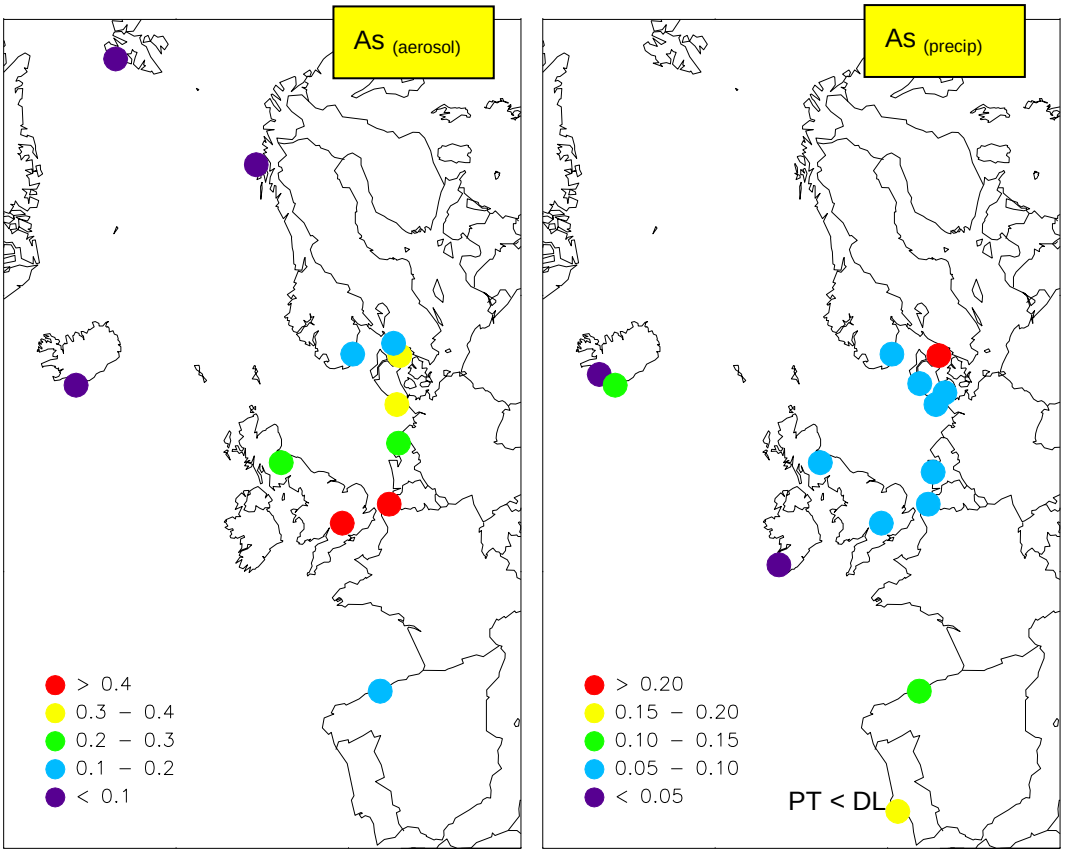

Figure 3.3: Annual concentrations of arsenic in air (µg/m^3) and precipitation (µg/L), 2013

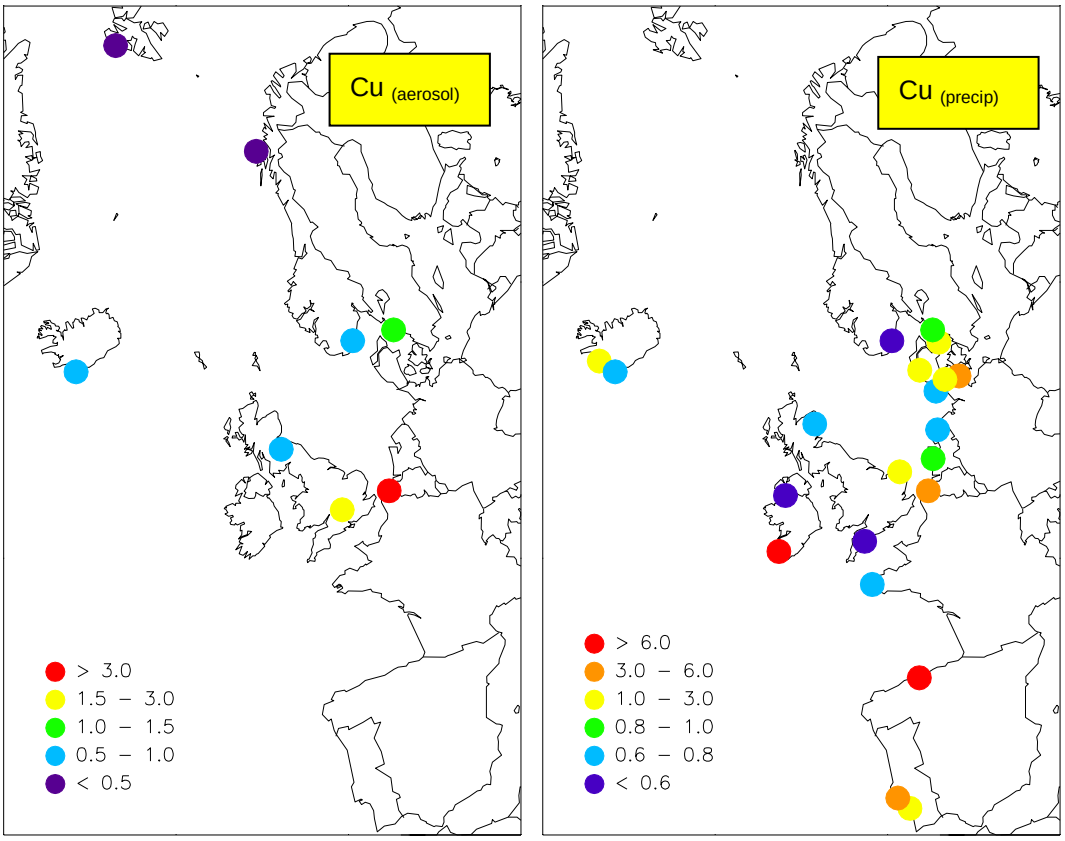

Figure 3.4: Annual concentrations of copper in air (µg/m^3) and precipitation (µg/L), 2013

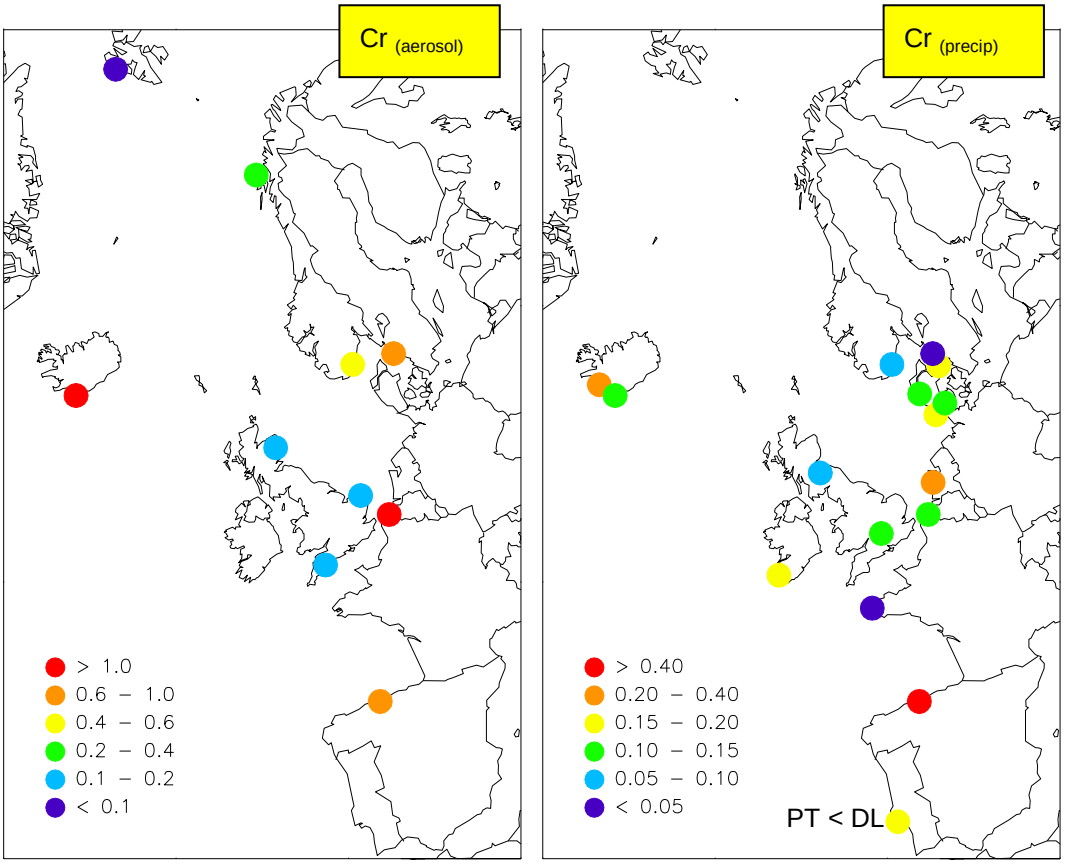

Figure 3.5: Annual concentrations of chromium in air (µg/m^3) and precipitation (µg/L), 2013

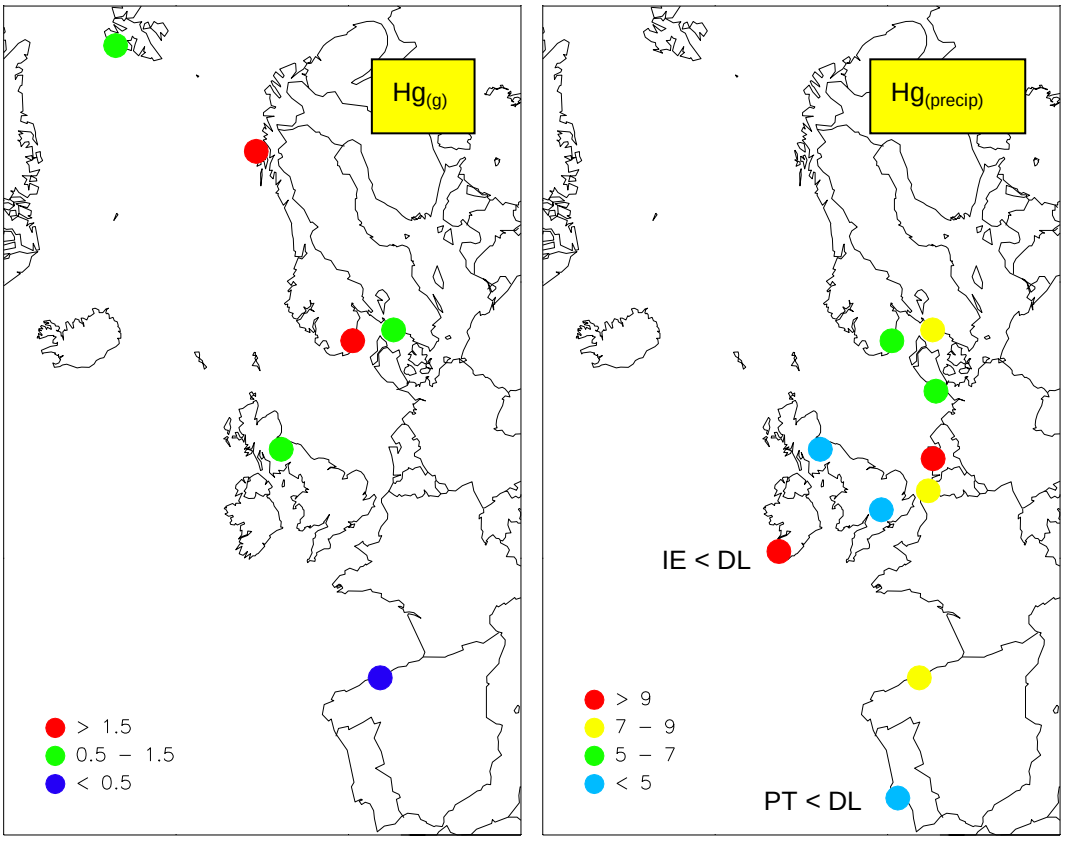

Figure 3.6: Annual concentrations of mercury in air (ng/m^3) and precipitation (ng/L), 2013

3.2 Selected Persistant Organic Pollutants (POPs) in air

POPs are organic chemicals identified as being toxic, bio-accumulative, persistent and prone to long-range transport. Several POPs are regulated by international law. Most other air pollutants tend to decline with distance from source regions due to dispersion, dilution, degradation and deposition. However, for some POPs, relatively high concentrations have been measured far from major emission regions (Wania, 1999; Tørseth et al., 2012). A characteristic feature of many POPs, unlike most other air pollutants, is their potential to undergo reversible atmospheric deposition (e.g. Larsson, 1985; Nizzetto et al., 2010). Therefore, air concentrations measured today might be either caused by recent primary atmospheric emissions or attributed to re-volatilization of these persistent and semi-volatile substances from contaminated surface reservoirs (soil, water, vegetation, snow, etc.) in contact with the atmosphere.

In Figure 3.7, the annual mean concentrations of selected POPs (γ-HCH, Benzo-a-pyrene and PCB 180) in air are shown. γ-HCH in air is only measured in Scandinavia; Germany and Iceland, the highest concentration is seen in Germany. Benzo-a-pyrene is measured on a larger number of sites mainly due to the fact that PAH is regulated by the EUs air quality directive (EU, 2004). The highest level are seen in the Benelux countries, while lowest the Arctic (at the station in Svalbard). For the PCBs, the highest concentration in 2013 was seen in Germany and Sweden. However, the relative importance of the various PCBs is changing between the sites, with the lighter PCBs relatively more important in the Arctic due to their higher potential for transport. Details of all the concentrations for all the different POPs measured at the sites in the CAMP programme are found in Annex 2.

Maps for precipitation measurements are not shown because the methods across the network differ and are not comparable, i.e. some sites measure deposition while others concentrations. The data are however, given in Annex 2, and which shows that the site in the Netherlands (NL0091) has the highest level of γ-HCH.

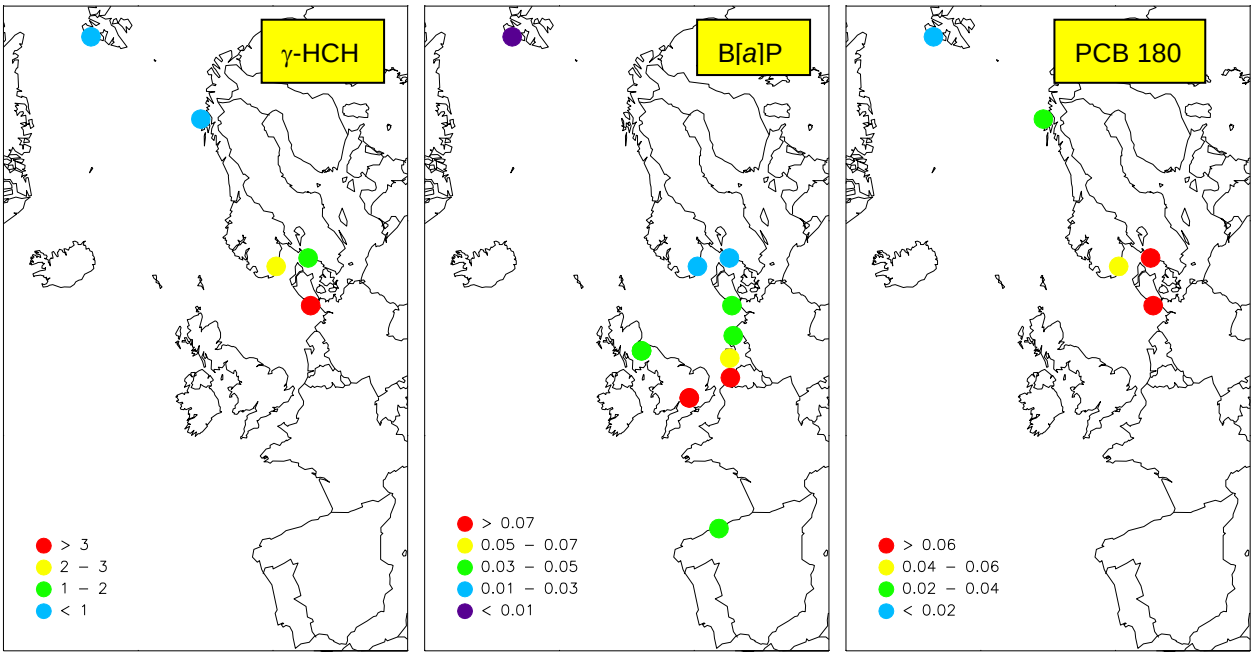

Figure 3.7: γ-HCH (pg/m^3), Benzo-a-pyrene (ng/m^3) and PCB 180 in air (pg/m^3) 2013

3.3 Nitrogen compounds in air and precipitation

Concentrations of oxidised nitrogen in air and precipitation are illustrated in Figure 3.8. The air concentrations of NO_2 are highest around the major emission sources, e.g. the shipping traffic in the English Channel. The highest concentrations of nitrate ions in precipitation as well as in air, resemble a similar pattern, but with additional elevated concentrations in the Bay of Biscay and Kattegat.

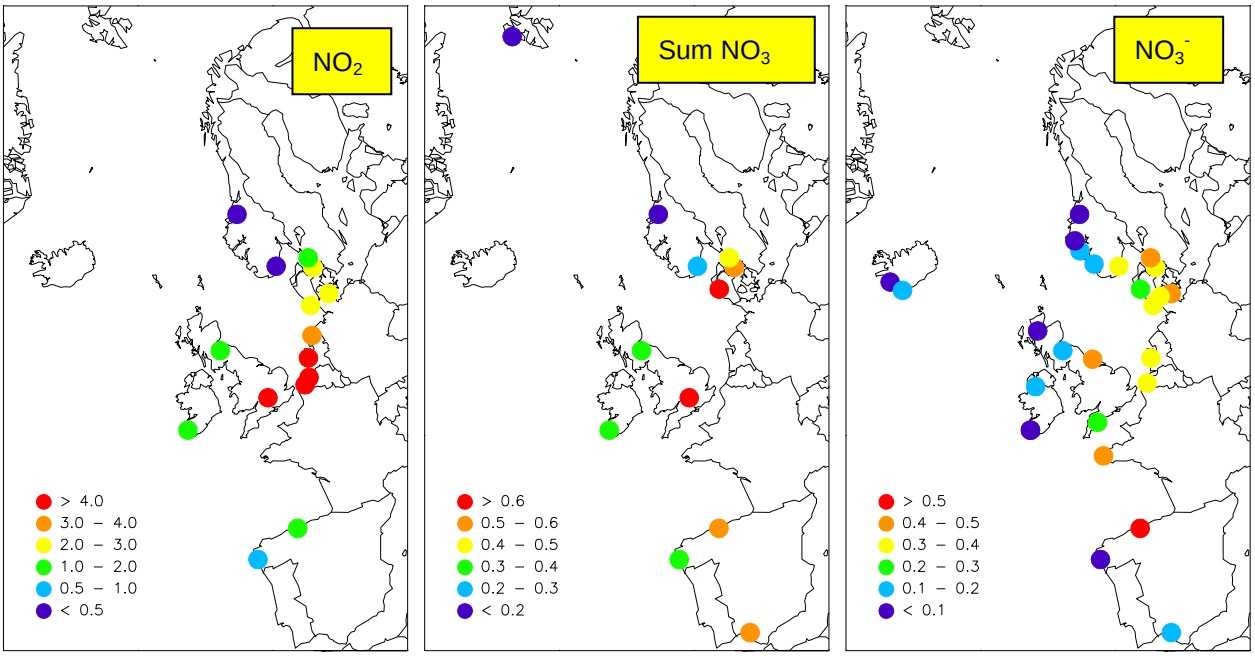

Figure 3.8: Volume weighted annual mean concentrations of oxidised nitrogen in 2013, in air (NO_2 and sum (NO_3 + HNO_3) in $\overline{x}$gN/m^3) and in precipitation (NO_3^- in mgN/L).

Concentrations of reduced nitrogen are shown in Figure 3.9. The highest concentrations of sum ammonium (NH_4^++NH_3) in air are unsurprisingly highest in the quite intensive agricultural regions in Europe.

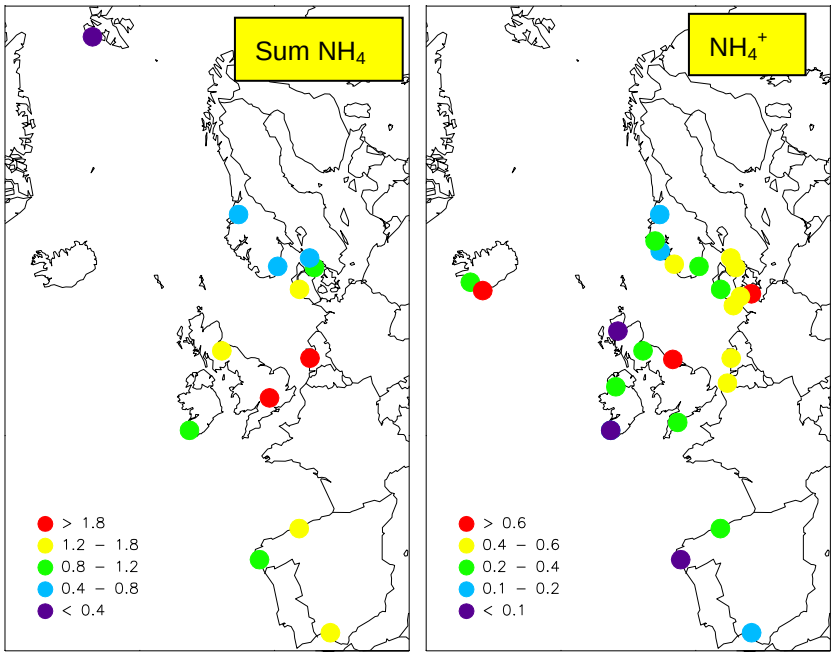

Figure 3.9: Volume weighted annual mean concentrations of reduced nitrogen in 2013, in air ($\overline{x}$gN/m^3) and in precipitation (mgN/L).

Annual wet deposition of total nitrogen is between 100 and 1600 mgN/m^2 (equal 1-16 kg ha/year) with the highest deposition in the relatively wet region in Norway (see data in the annex) and in Spain due to hogh concentration. To estimate the total deposition it is important to also include dry deposition fluxes (Sutton et al., 2011). However, the monitoring of dry deposition fluxes has so far mainly been made in relation to research projects, in particular, the European Union's integrated project NitroEurope (Skiba et al, 2009; Flechard et al, 2011).

4 Temporal trends

The temporal trends in the OSPAR CAMP data from 1990 to 2013 have been evaluated. For the statistical analysis, the non-parametric "Mann-Kendall Test" has been used on annual means for detecting and estimating trends (Gilbert, 1987). The Mann-Kendall test has become a standard method in EMEP (Tørseth et al, 2012) for trend analysis when missing values occur and when data are not normally distributed. In parallel to this, the Sen's slope estimator has been used to quantify the scale of potential trends. Thus, the Sen's slope is used to estimate the percent reduction in the concentration level while the Mann-Kendall test is used to indicate the significance level of the trend. Statistical calculations have been carried out using the MAKESENS software (Salmi et al., 2002) which was developed to be used for the previous EMEP assessment (Lövblad et al., 2004). In MAKESENS the two-tailed test is used for four different significance levels (p: 0.1, 0.05, 0.01 and 0.001). In this work, we have included all these confidence levels when defining whether the trend is significant or not. For calculating trends, volume weighted annual concentration averages are used, and only sites with sufficient data coverage are included, i.e. 75% data capture for the year, except for heavy metals in air where some sites do have one daily sample per week, which is accepted. The measurements are not normalised. The average percent change in concentration, and standard deviation are calculated for all the sites, and not only for those with a significant trend. In the figures a selection of sites are used. In Table 4.1, trend statistics for nitrogen and heavy metals for the last two decades of measurements at the CAMP sites are presented.

Trends 1990 - 2013					
		Sites with sign. trend		Trends in conc.	
Comp	Nr of sites	decrease	increase	Avg.	SD
NO_3 precip	10	70%	0%	-28%	14%
sum NO_3 air	5	40%	20%	-1%	52%
NO_2 air	6	83%	0%	-27%	17%
NH_4 precip	10	40%	10%	-8%	22%
sum NH_4 air	6	67%	33%	38%	140%
Hg precip	2	50%	0%	-34%	26%
$Hg_{(g)}$ air	1	0%	0%	-9%	-
Pb precip	7	100%	0%	-86%	6%
Pb air	3	100%	0%	-80%	11%
Cd precip	6	83%	0%	-61%	46%
Cd air	2	100%	0%	-79%	8%

Trends 2000 - 2013					
		Sites with sign. trend		Trends in conc.	
Comp	Nr of sites	decrease	increase	Avg.	SD
NO_3 precip	13	54%	8%	-11%	29%
sum NO_3 air	5	40%	20%	21%	46%
NO_2 air	7	71%	0%	-23%	15%
NH_4 precip	14	21%	7%	0%	29%
sum NH_4 air	7	43%	14%	31%	95%
Hg precip	4	50%	0%	-18%	20%
$Hg_{(g)}$ air	2	50%	0%	-8%	6%
Pb precip	10	70%	0%	-51%	25%
Pb air	6	67%	17%	-21%	73%
Cd precip	10	50%	0%	-33%	36%
Cd air	5	75%	0%	-25%	37%

Table 4.1: Trend statistics for changes in annual concentrations of nitrogen compounds and contaminants at CAMP sites with long-term measurements, calculations for the two periods 1990-2013 and 2000-2013.

4.1 Time series in annual mean for the various nitrogen compounds

There have been quite substantial reductions in emissions of nitrogen oxides during the last decades in Europe (Vestreng et al., 2009; Tørseth et al, 2012). From 1990 to 2009 the NO_x emissions in Europe decreased by 31%. The reductions in the first decade were mainly caused by the change from burning coal and gas to using nuclear power (Lövblad et al., 2004). NO_x emissions from traffic especially in Western European have also decreased, even though fuel consumption has increased (Vestreng et al., 2009). The European emission trends of NO_x are reflected in the measurements at the CAMP sites, Table 4.1. From 1990 to 2013, nitrogen dioxide in air and nitrate in precipitation decreased, on average, by 27% and 28%, respectively. The concentrations of total airborne nitrate decreased on average only 1% and few sites show any significant change. These differences in trends can partly be explained by a shift in equilibrium towards more particulate ammonium nitrate relative to nitric acid caused by a reduction in sulphur dioxide emissions. Reduced sulphur dioxide concentrations make more ammonia available to bind with nitric acid (Fagerli and Aas, 2008). A more rapid oxidation of NO_x may also have contributed (Monks et al., 2009). The total reduction in observed concentrations of oxidized nitrogen compounds from 2000 is less significant than for the whole period, but a general decrease of about 20% is seen. The trend plots of oxidised nitrogen at some selected sites with measurements covering the two decades are shown in the Figures 4.1-4.3. The selections of sites was chosen to illustrate the spread of concentrations levels as well as showing the regional variations. Sites with measurements back to 1990 are prioritized.

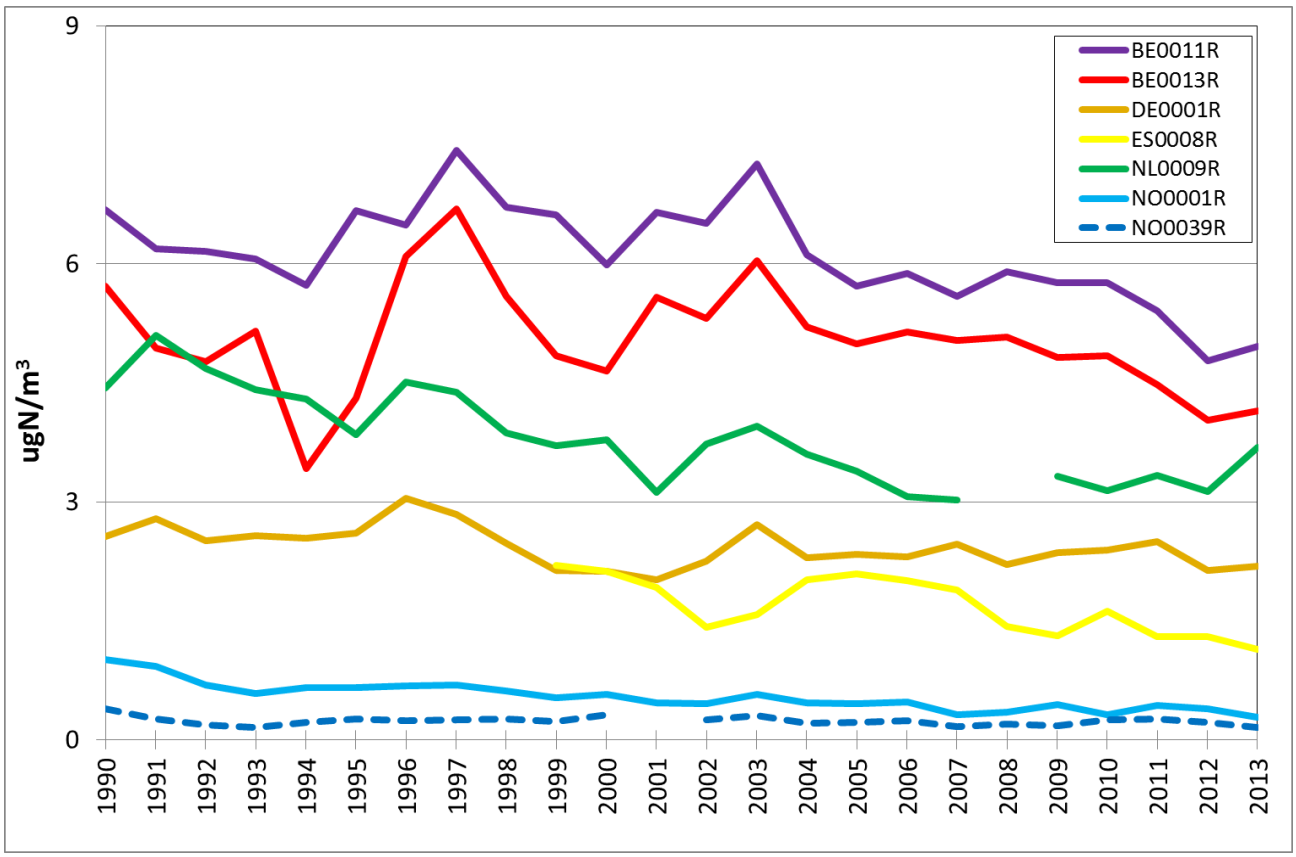

Figure 4.1: Time series of NO_2. Time series of Solid lines are sites with significant trends while dotted lines are not.

Total European ammonia emissions decreased by 29% overall from 1990 to 2009 (Tørseth et al, 2012), though with large regional differences. The majority of CAMP sites show a decreasing trend in both air and precipitation, on average 10% in precipitation. In air however, it is an average increase of 25%, Table 4.1. However, it should be noted that some sites are, due to their location in rural districts, partly affected by local ammonia emissions. This is especially the case for the two sites in Norway, which show a large increase, and excluding these two Norwegian sites, the remaining four sites show a significant decrease of 44%. Concentrations from 2000-2013 show no clear trend (Table 4.1 and Figure 4.4 and 4.5).

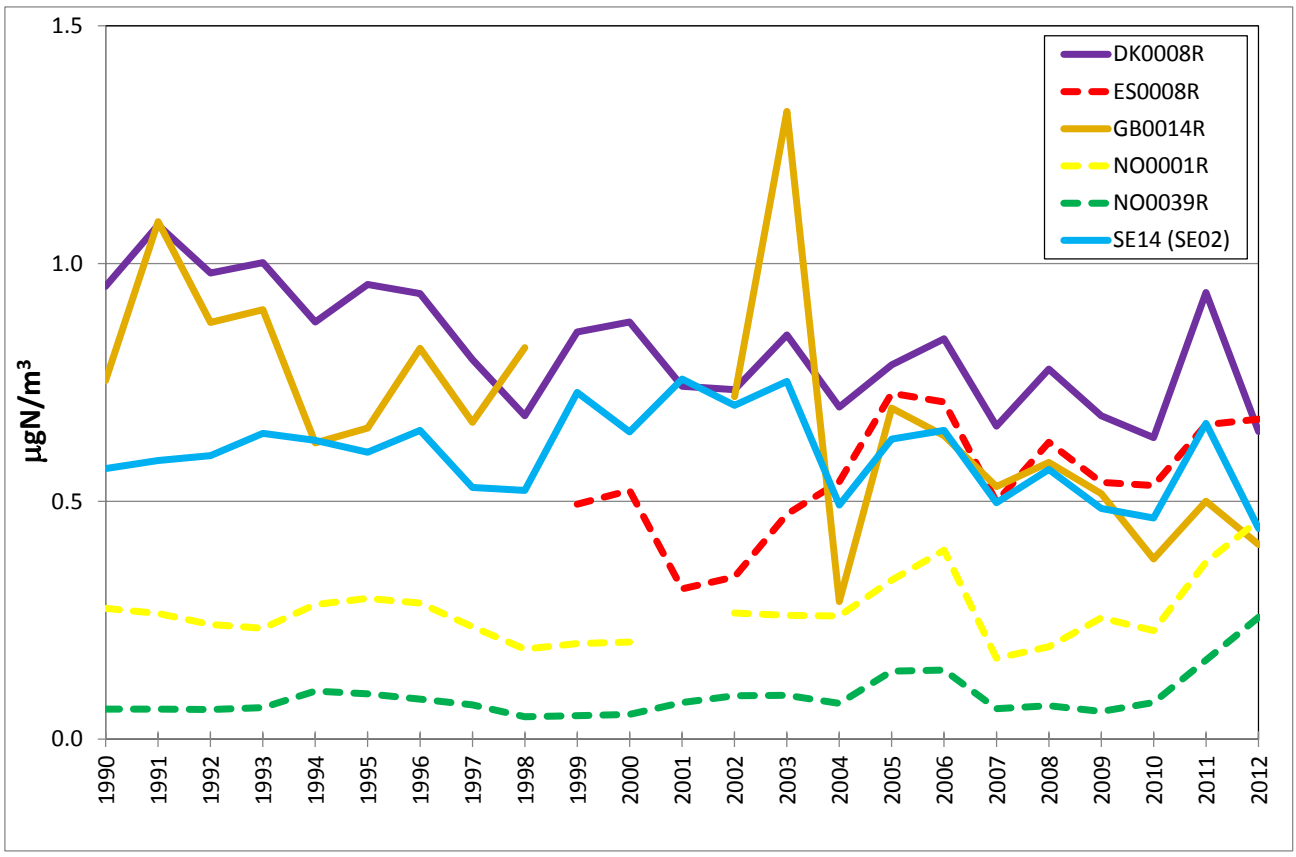

Figure 4.2: Time series of sum of nitrate (HNO_3+NO_3) in air. Solid lines are sites with significant trends while dotted lines are not.

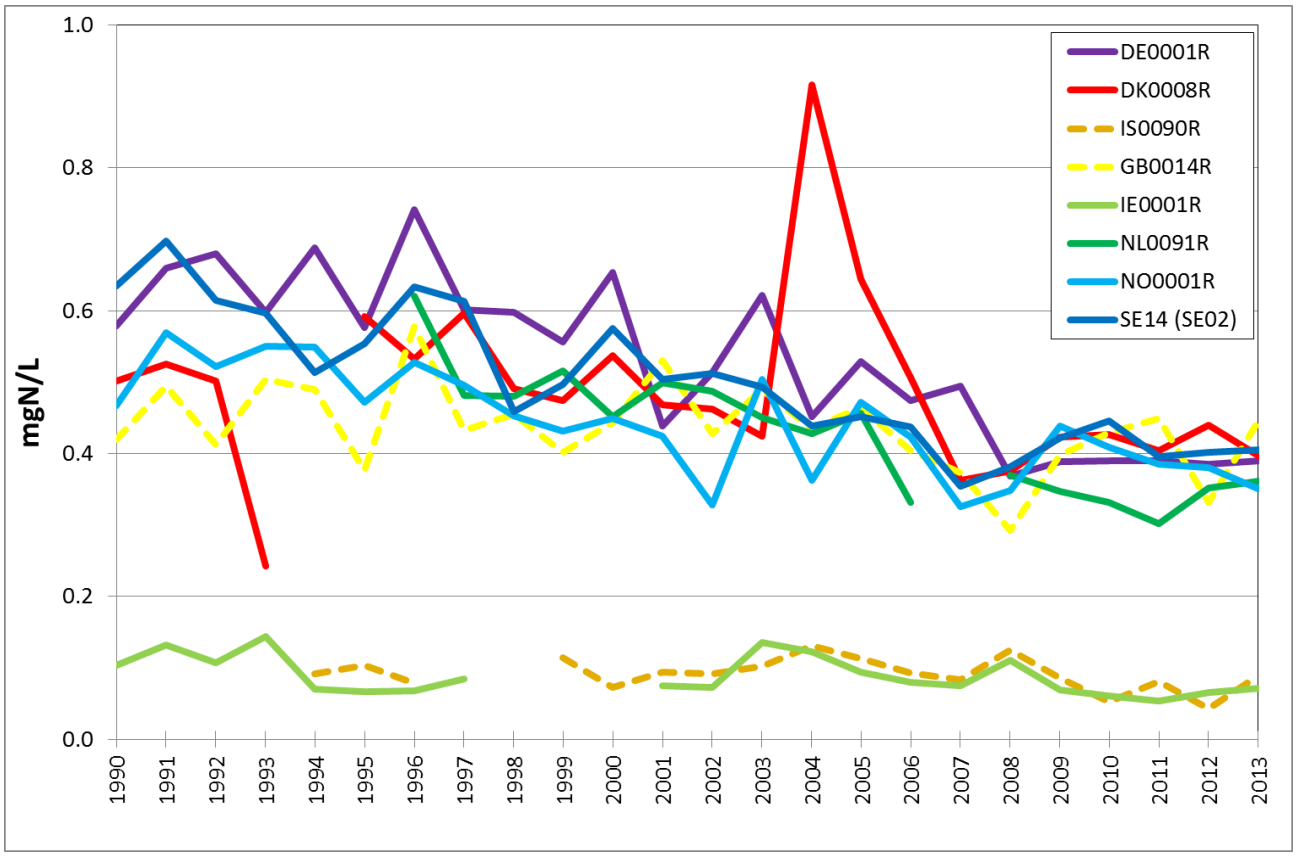

Figure 4.3: Time series of NO_3 in precipitation. Solid lines are sites with significant trends while dotted lines are not.

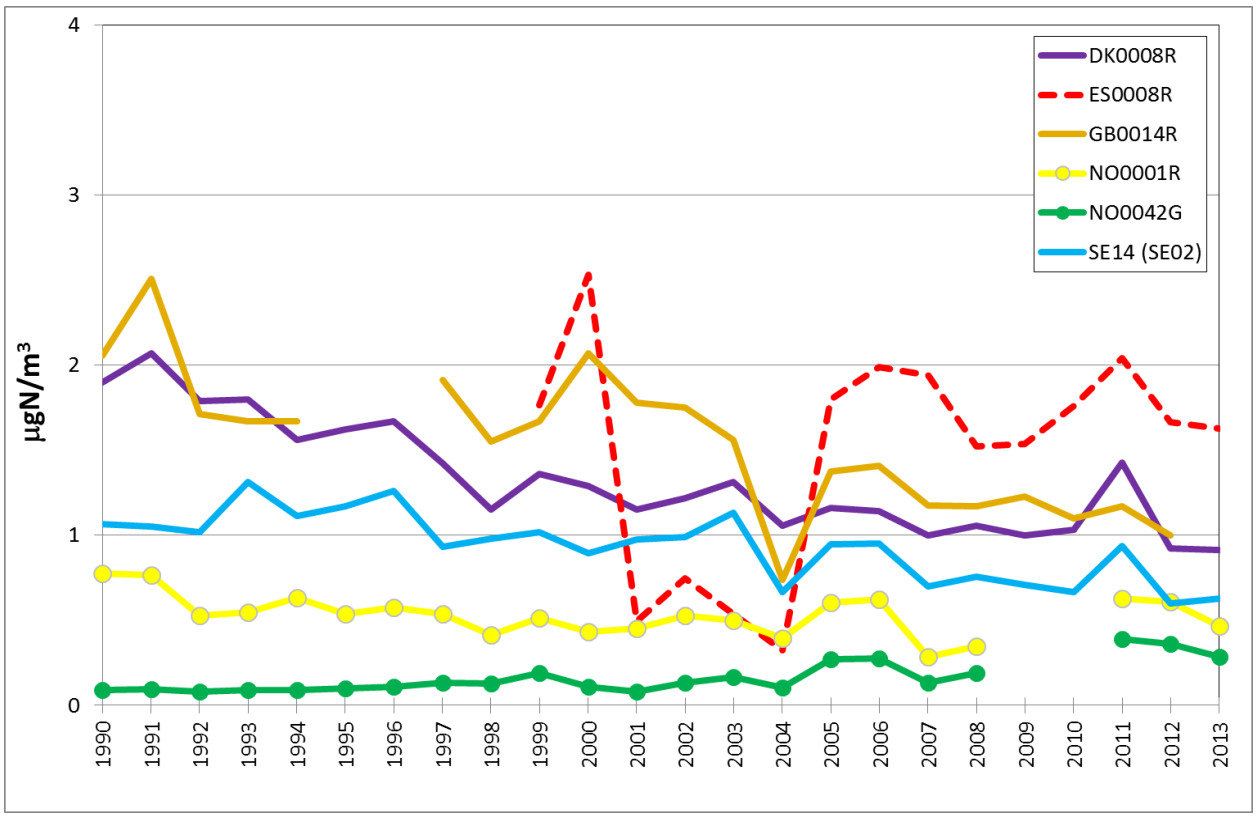

Figure 4.4: Time series of sum of ammonium (NH_3+NH_4) in air. Solid lines are sites with significant trends while dotted lines are not.

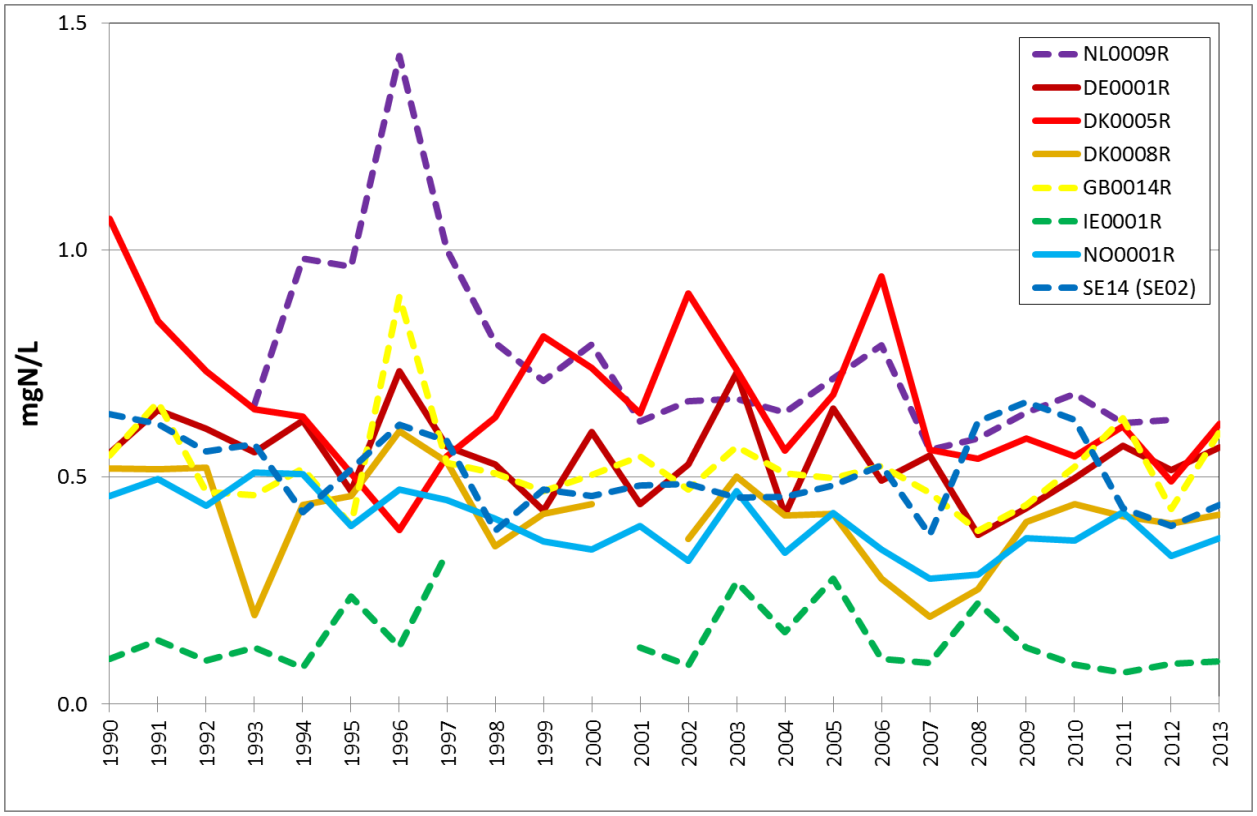

Figure 4.5: Time series of NH_4 in precipitation. Solid lines are sites with significant trends while dotted lines are not.

4.2 Time series in annual mean of heavy metals

When looking at trends in heavy metals, one should keep in mind where the sites with long term monitoring are situated, and that their average decrease may be different from for the OSPAR domain as a whole. Nevertheless,

there is a very clear reduction in both lead and cadmium at the CAMP sites since 1990 as well as from 2000 (see Table 4.1 and Figure 4.6-4.9). This is in line with what is reported for emission reduction in Europe (Pacyna et al., 2009).

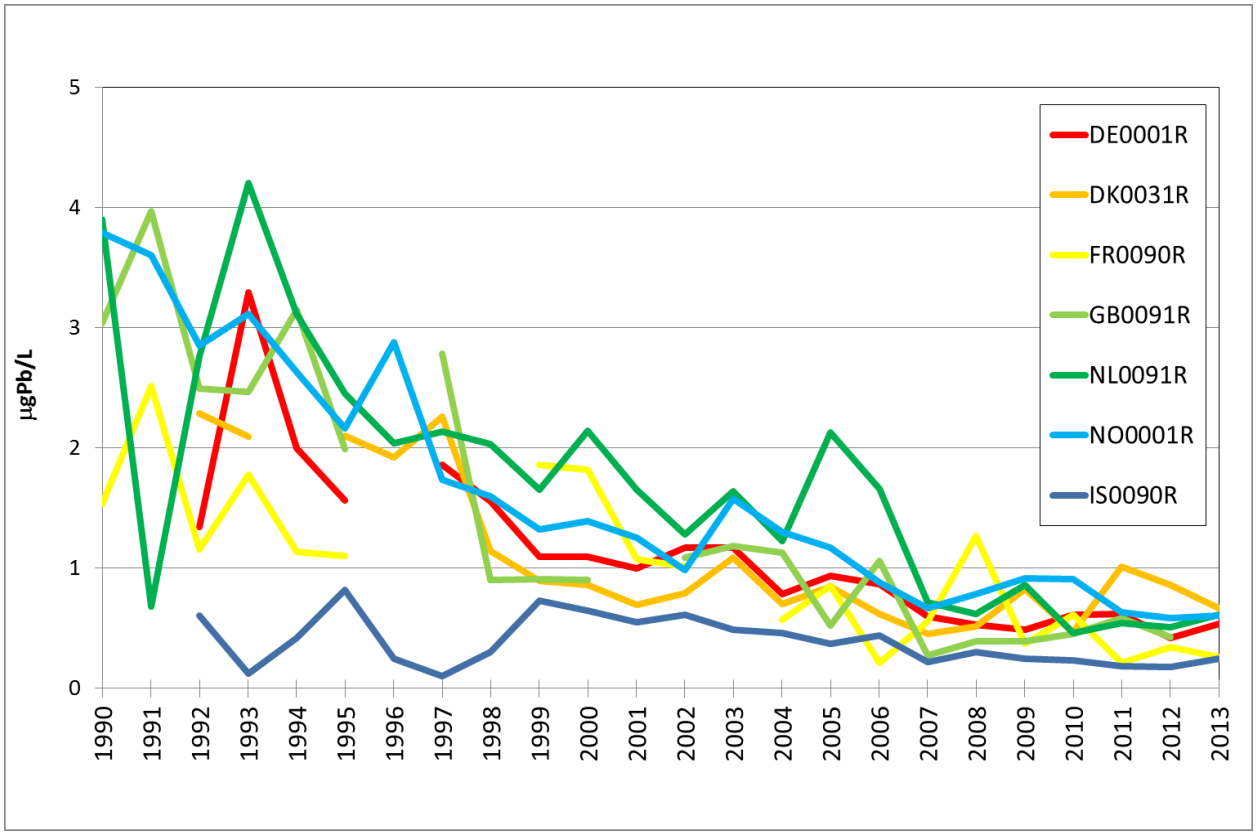

Figure 4.6: Time series of lead in precipitation. Solid lines are sites with significant trends while dotted lines are not.

For mercury, there are only Scandinavian and German sites, which have long-term measurements, see Figure 4.10. There seems to be a reduction in the concentration in the earlier part of the monitoring period, but in the latest 10-15 years, the level has not changed significantly. There is some inter-annual variability, but not any clear tendency. This is in line with the fact that the major decline of the European Hg emissions occurred at the end of the 1980s and around 1990 (Pacyna et al., 2009).

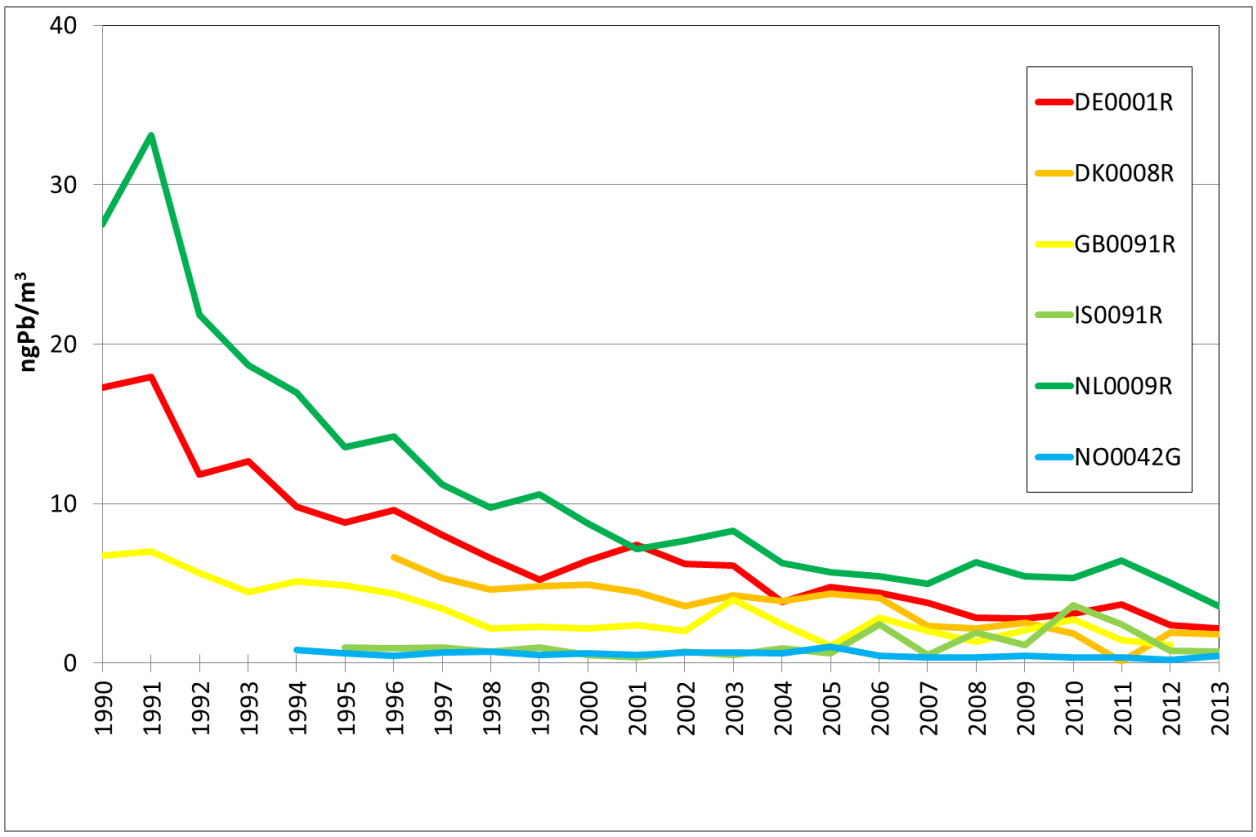

Figure 4.7: Time series of lead in air. Solid lines are sites with significant trends while dotted lines are not.

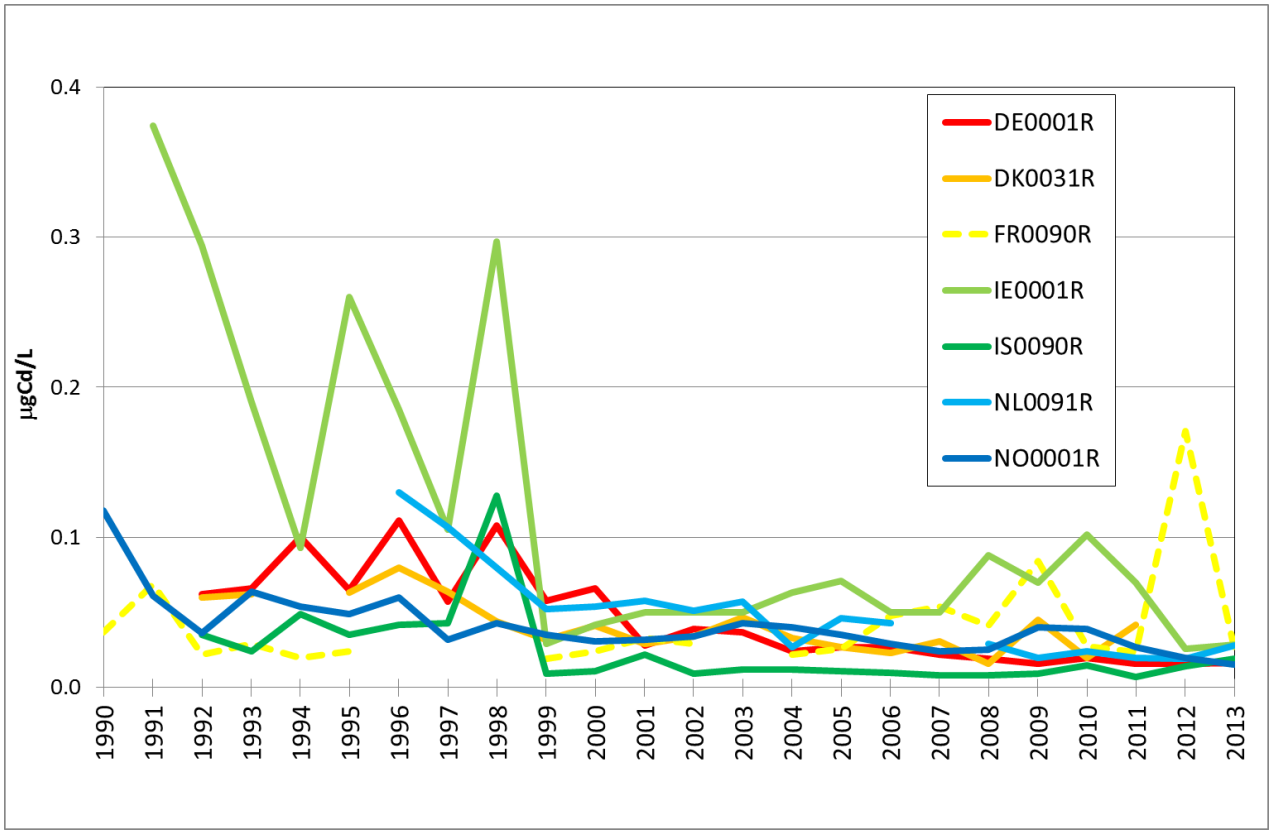

Figure 4.8: Time series of cadmium in precipitation. Solid lines are sites with significant trends while dotted lines are not.

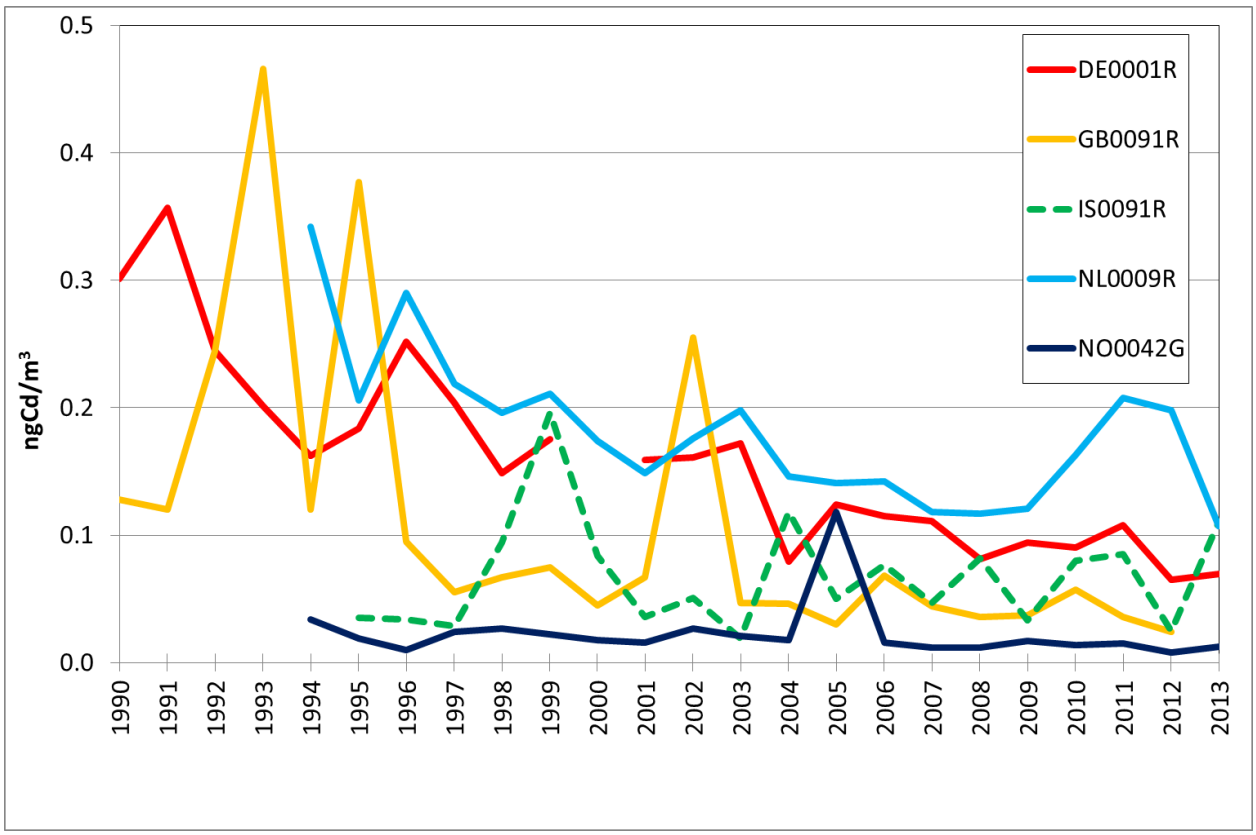

Figure 4.9: Time series of cadmium in air. Solid lines are sites with significant trends while dotted lines are not.

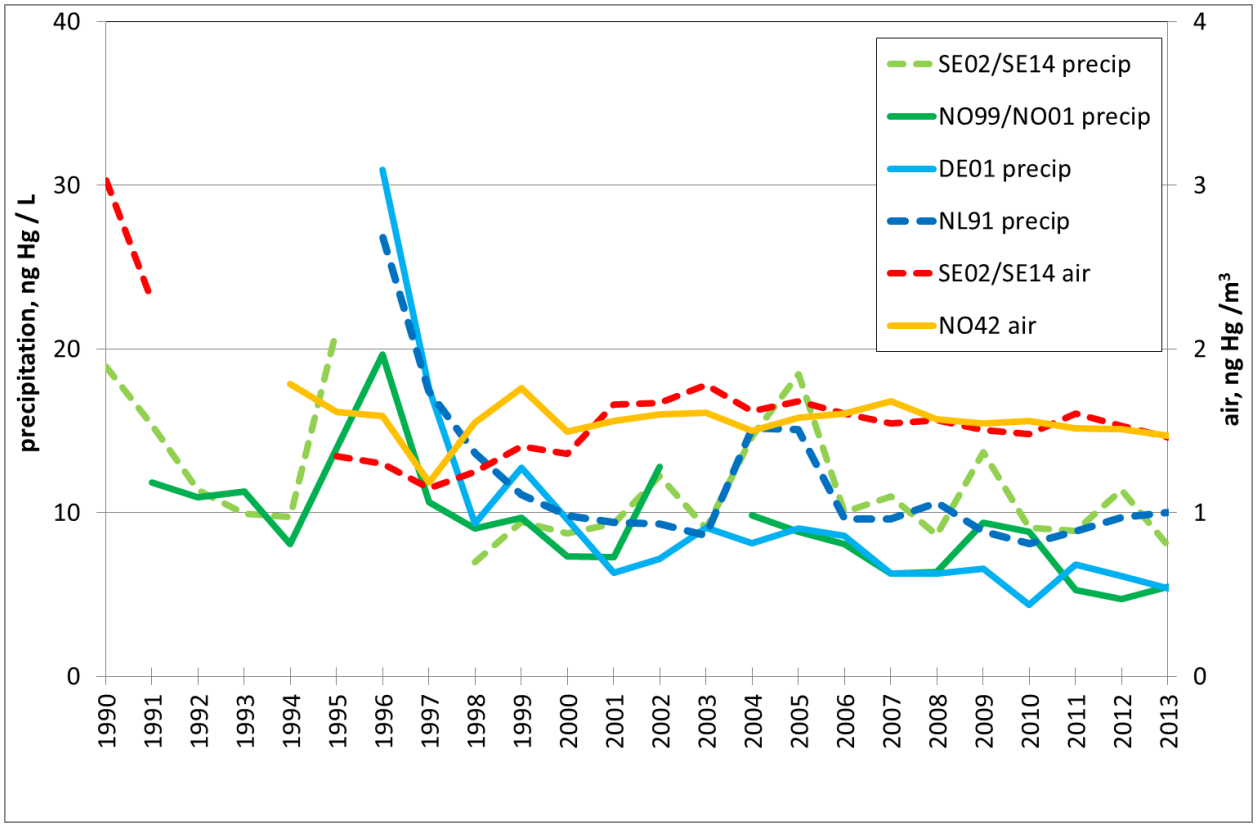

Figure 4.10: Time series of mercury. Solid lines are sites with significant trends while dotted lines are not.

4.3 Time series in annual mean for γ-HCH

For γ-HCH there has been as significant decline at all the sites, which have measured this compound, especially before 2000, see Figure 4.11 and Figure 4.12. For most other POPs, there are few long-term measurements, but it is quite clear that for legacy POPs there is a general reduction in the observed concentration levels (Tørseth et al, 2012).

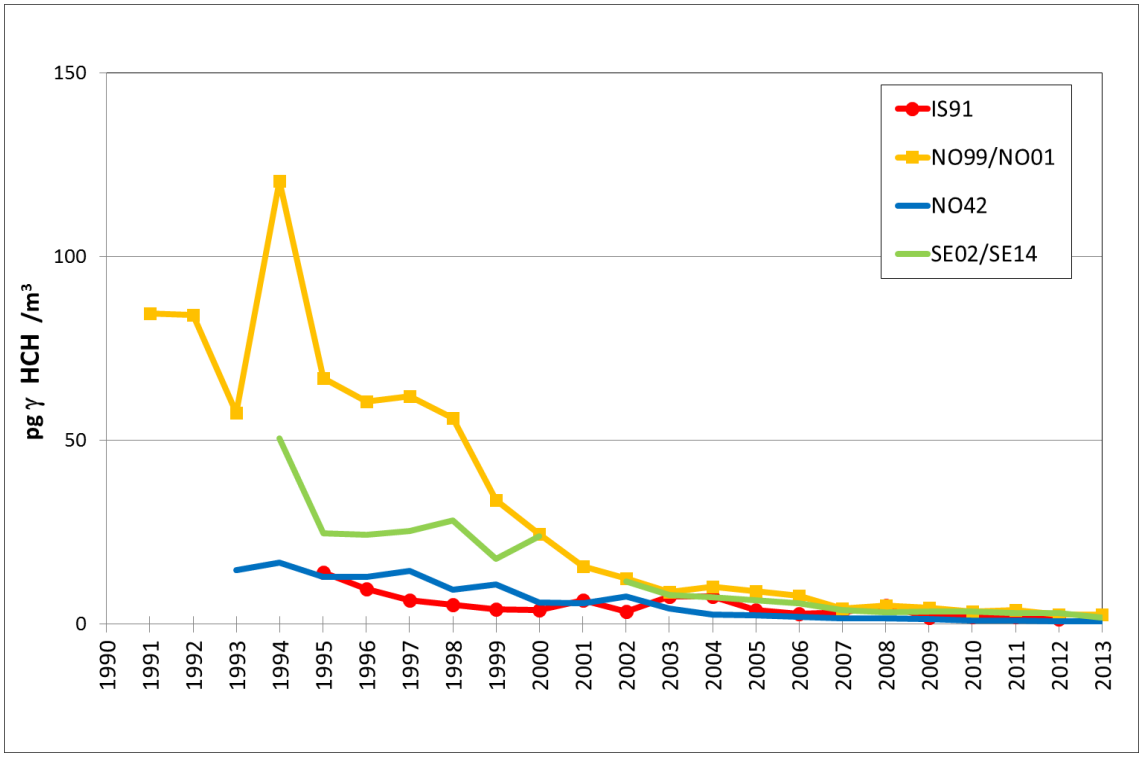

Figure 4.11: Time series of γ-HCH in air.

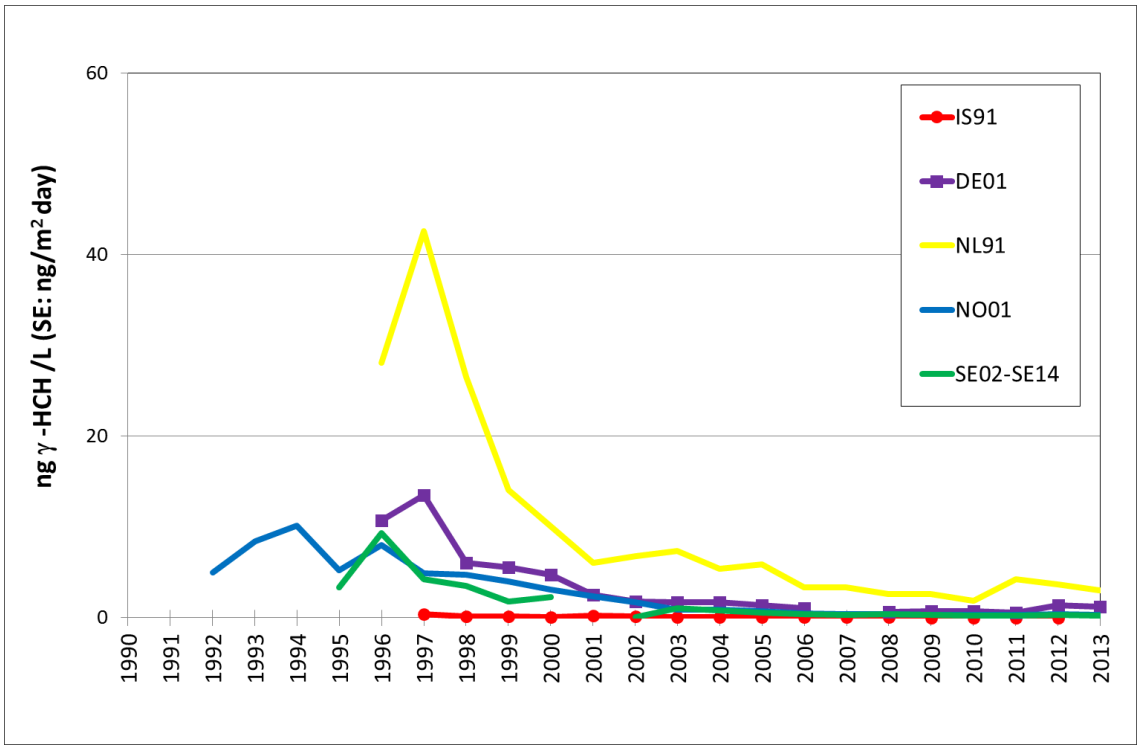

Figure 4.12: Time series of γ-HCH in precipitation (SE02-14 – total deposition).

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Annex 1

Monitoring stations reporting to CAMP in 2013

Table A.1.1: Details of locations of monitoring stations with coordinates and corresponding OSPAR region.

Country	Station number	Station name	OSPAR Region	Lat.	Long.	masl
Iceland	IS0090R	Reykjavik	I	63º 8' N	20º 54' W	52 m
	IS0091R	Storhofdi	I	63º 24' N	20º 17' W	118 m
Norway	NO0001R	Birkenes	II	58º 23' N	8º 15' E	190 m
	NO0039R	Kårvatn	I	62º 47' N	8º 53' E	210 m
	NO0042G	Zeppelin	I	78º54’ N	11º53’ E	475 m
	NO0090R	Andøya	I	69º16’ N	16º0’ E	380 m
	NO0554R	Haukeland	II	60°49' N	5°35' E	190 m
	NO0572R	Vikedal	II	59°32'N	5°58' E	60 m
	NO0655R	Nausta	II	61°35' N	5°54' E	230 m
Belgium	BE0014R	Koksijde	II	51°7' N	2°39' E	4 m
	BE0011R	Moerkerke	II	51°1’’N	2°35’’E	0 m
	BE0013R	Houtem	II	51°15’’N	3°21’’E	10 m
Netherlands	NL0009R	Kollumerwaard	II	53º 20' N	6º 17' E	1 m
	NL0091R	De Zilk	II	52º 18' N	4º 31' E	4 m
Germany	DE0001R	Westerland	II	54º 56' N	8 º 19' E	12 m
Denmark	DK0005R	Keldsnor	II	54º44’N	10º44’E	19 m
	DK0008R	Anholt	II	56º43’N	11º31’E	40 m
	DK0022R	Sepstrup Sande	II	55º5’N	9º36’E	60 m
	DK0031R	Ulborg	II	56º17’N	8º26’E	10 m
Sweden	SE0014R	Råö	II	57º24' N	11º55' E	5 m
United Kingdom	GB0006R	Lough Navar	III	54º26’ N	7º54 W	126 m
	GB0013R	Yarner Wood	II	50º36’ N	3º43 W	119 m
	GB0014R	High Muffles	II	54º20' N	0º48' W	267 m
	GB0015R	Strath Vaich Dam	II	57º44' N	4º46’ W	270 m
	GB0036R	Harwell	II	51º34' N	1º19’ W	137 m
	GB0048R	Auchencorth Moss	II	55º47' N	3º14’ W	260 m
Ireland	IE0001R	Valentia Observ.	III	51º56' N	10º15' W	11 m
France	FR0090R	Porspoder	II	48º31N	4º45’W	50 m
Portugal	PT0006R	Alfragide	IV	38º44'N	9º12' W	109 m
	PT0004R	Monte Velho	IV	38º05'N	8º48' W	43 m
Spain	ES0005R	Noya	IV	42º44'N	8º55' W	683 m
	ES0008R	Niembro	IV	43º27'N	4º51' W	134 m
	ES0017R	Doñana	IV	37º2'N	6º20' W	5 m

Table A.1.2: Responsible CAMP institutes and contact persons.

Country	**Institute**	**Data reporter**
Belgium	Flemish Environment Agency	Elke Adriaenssens
Denmark	Department of Environmental Science, Aarhus University	Thomas Ellermann, Rune Keller
France	Université de Bretagne	Matthieu Waeles
Germany	Umweltbundesamt, Langen	Elke Bieber
Great Britain	AEA Technology and	Keith Vincent
	Centre for Ecology and Hydrology (CEH), Edinburgh	Heath M. Malcolm
Iceland	The Icelandic Meteorological Office	Arni Sigurdsson
Ireland	Environmental Protection Agency	Micheál O'Dwyer
Netherlands	National Institute for Public Health and Environmental Protection (RIVM)	Hans Berkhout
Norway	Norwegian Institute for Air Research (NILU)	Marit Vadset, Wenche Aas
Portugal	The Portugese Air Quality refernce Laboratory	Nuno Silva Oteda
Spain	Ministerio de Agrilcultura, Alimentación y Medio Ambiente	José A. Díaz Lázaro-Carrasco, Alberto Orío-Hernández
Sweden	IVL Swedish Environmental Research Institute	Karin Sjöberg, Ingvar Wängberg

Annex 2

Monthly and annual means of reported components.

Table A.2.1: Nitrate and ammonium concentrations in precipitation, 2013

			jan		febr		mar		apr		may		june		july		aug		sept		oct		nov		dec		2013	
Site	Comp	Unit	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt
BE0014R	ammonium	mgN/L	0.46	100	0.38	100	0.82	100	1.50	100	0.76	100	0.65	100	0.68	100	1.05	100	0.53	100	0.15	100	0.20	100	0.31	100	0.49	100
DE0001R	ammonium	mgN/L	0.33	100	0.37	100	0.80	95	1.94	100	0.88	100	0.61	100	0.81	100	0.63	100	0.35	100	0.52	100	0.36	100	0.56	70	0.57	97
DK0005R	ammonium	mgN/L	0.21	100	0.30	100	0.98	71	2.84	100	0.59	100	0.61	100	0.84	99	1.23	93	0.43	32	0.52	100	0.28	100	0.31	100	0.62	89
DK0008R	ammonium	mgN/L	0.20	100	0.36	100	0.86	100	1.23	100	0.17	100	0.51	100	0.86	100	0.48	100	0.49	100	0.31	100	0.26	100	0.21	100	0.42	100
DK0022R	ammonium	mgN/L	0.23	100	0.87	100	0.57	51	1.44	100	0.98	100	0.65	100	1.09	100	0.42	100	0.38	100	0.34	100	0.29	100	0.31	100	0.58	99
DK0031R	ammonium	mgN/L	0.09	3	0.19	100	0.62	100	1.01	100	0.64	100	0.57	100	0.35	81	0.28	100	0.19	100	0.16	100	0.13	100	-	-	0.32	95
ES0005R	ammonium	mgN/L	0.04	100	0.04	100	0.08	100	0.07	100	0.08	100	0.09	100	0.14	100	0.09	100	0.02	100	0.04	100	0.06	100	0.06	100	0.06	100
ES0008R	ammonium	mgN/L	0.11	100	0.25	100	0.65	100	0.91	100	0.31	100	0.35	100	0.52	100	0.46	99	0.27	100	0.24	100	0.19	100	0.26	100	0.36	100
ES0017R	ammonium	mgN/L	0.05	97	0.13	99	0.08	98	0.05	97	0.09	86	-	-	-	-	0.52	100	0.02	100	0.02	100	0.02	65	0.04	99	0.10	98
GB0006R	ammonium	mgN/L	0.22	100	0.32	100	1.21	100	0.34	100	0.17	100	0.26	100	0.11	100	0.17	100	0.48	100	0.27	100	0.13	100	0.14	100	0.28	100
GB0013R	ammonium	mgN/L	0.29	100	0.31	100	0.85	100	0.60	99	0.18	100	0.58	100	0.20	100	0.49	100	0.55	100	0.27	100	0.11	100	0.20	100	0.33	100
GB0014R	ammonium	mgN/L	0.67	100	0.83	100	1.13	100	1.69	100	0.27	100	0.51	100	1.00	99	0.74	100	0.75	100	0.43	100	0.37	100	0.43	100	0.60	100
GB0015R	ammonium	mgN/L	0.05	100	0.10	100	0.48	100	0.02	100	0.06	100	0.05	100	0.09	100	0.06	100	0.10	100	0.10	100	0.10	100	0.04	100	0.08	100
GB0048R	ammonium	mgN/L	0.17	100	0.20	100	0.66	100	0.56	100	0.55	100	0.59	100	0.35	100	0.35	100	0.28	100	0.21	100	0.17	100	0.16	96	0.30	99
IE0001R	ammonium	mgN/L	0.05	100	0.18	99	0.12	97	0.09	99	0.29	88	0.13	82	0.05	99	0.11	95	0.21	99	0.02	100	0.03	94	0.09	99	0.09	96
IS0090R	ammonium	mgN/L	0.16	100	0.20	100	0.44	100	0.35	100	0.82	100	0.30	100	0.17	100	0.47	100	0.31	100	0.33	100	0.21	100	0.28	100	0.31	100
IS0091R	ammonium	mgN/L	-	-	0.21	100	0.26	100	0.25	100	1.00	100	0.47	100	1.13	100	1.09	100	0.52	100	1.43	100	0.13	100	0.14	100	0.73	100
NL0091R	ammonium	mgN/L	0.36	98	0.24	99	0.81	87	1.51	85	0.76	93	0.65	96	0.92	98	0.92	92	0.40	97	0.48	98	0.23	97	0.33	90	0.50	95
NO0001R	ammonium	mgN/L	0.38	99	0.61	92	0.41	99	1.11	100	0.76	99	0.31	93	0.69	87	0.39	100	0.19	99	0.22	100	0.18	100	0.18	100	0.37	98
NO0039R	ammonium	mgN/L	0.08	97	0.12	100	0.21	100	0.17	100	0.22	96	0.11	99	0.12	100	0.29	83	0.18	94	0.10	74	0.06	100	0.05	100	0.13	96
NO0554R	ammonium	mgN/L	0.08	100	0.19	100	0.50	100	0.32	100	0.26	100	0.55	100	0.23	100	0.09	100	0.15	100	0.05	100	0.09	100	0.11	100	0.16	100
NO0572R	ammonium	mgN/L	0.31	100	0.47	100	0.34	100	0.52	100	0.68	90	0.83	100	0.95	85	0.37	100	0.64	100	0.20	100	0.18	100	0.25	100	0.41	98
NO0655R	ammonium	mgN/L	0.23	100	0.33	100	0.53	100	0.39	100	0.24	87	1.22	100	0.27	42	0.18	80	0.36	100	0.13	100	0.17	86	0.20	100	0.29	89
SE0014R	ammonium	mgN/L	0.16	100	0.28	97	-	-	1.12	100	0.53	100	0.51	100	0.93	99	0.51	100	0.29	100	0.33	100	0.23	100	0.30	100	0.44	100
BE0014R	nitrate	mgN/L	0.35	100	0.27	100	0.58	100	0.41	100	0.48	100	0.48	100	0.40	100	0.53	100	0.26	100	0.15	100	0.21	100	0.16	100	0.32	100
DE0001R	nitrate	mgN/L	0.36	100	0.34	100	0.48	95	1.55	100	0.57	100	0.31	100	0.44	100	0.36	100	0.26	100	0.32	100	0.35	100	0.41	70	0.39	97
DK0005R	nitrate	mgN/L	0.33	100	0.48	100	0.85	71	1.43	100	0.32	100	0.37	100	0.44	99	0.55	100	0.26	100	0.43	100	0.34	100	0.42	100	0.41	100
DK0008R	nitrate	mgN/L	0.39	100	0.91	100	0.93	100	0.68	100	0.14	100	0.34	100	0.51	100	0.41	100	0.45	100	0.38	100	0.46	100	0.36	100	0.40	100
DK0022R	nitrate	mgN/L	0.24	100	1.42	100	0.50	100	0.72	100	0.53	100	0.40	100	0.61	100	0.30	100	0.20	100	0.32	100	0.24	100	0.24	100	0.37	100
DK0031R	nitrate	mgN/L	0.12	3	0.39	100	0.52	100	0.62	100	0.38	100	0.38	100	0.40	81	0.36	100	0.17	100	0.18	100	0.18	100	-	-	0.28	95
ES0005R	nitrate	mgN/L	0.07	100	0.05	100	0.07	100	0.07	100	0.08	100	0.15	100	0.26	100	0.21	100	0.12	100	0.06	100	0.06	100	0.15	100	0.08	100
ES0008R	nitrate	mgN/L	0.14	100	1.32	100	0.66	100	0.62	100	1.93	100	0.40	100	0.79	100	1.83	100	0.37	100	0.36	100	0.36	100	2.22	100	0.84	100
ES0017R	nitrate	mgN/L	0.06	99	0.15	100	0.08	100	0.04	99	0.08	86	-	-	-	-	0.49	100	0.08	100	0.04	100	0.23	100	0.06	99	0.11	100
FR0090R	nitrate	mgN/L	0.14	100	0.11	100	0.26	100	0.46	100	0.65	100	0.06	100	0.91	100	1.32	100	0.77	100	1.25	100	0.37	100	0.20	100	0.45	100
GB0006R	nitrate	mgN/L	0.13	100	0.21	100	0.85	100	0.16	100	0.09	100	0.09	100	0.08	100	0.08	100	0.12	100	0.16	100	0.02	100	0.00	100	0.13	100
GB0013R	nitrate	mgN/L	0.33	100	0.31	100	0.62	100	0.30	99	0.12	100	0.59	100	0.20	100	0.21	100	0.46	100	0.27	100	0.10	100	0.12	100	0.28	100
GB0014R	nitrate	mgN/L	0.63	100	0.61	100	0.77	100	0.99	100	0.15	100	0.25	100	0.47	99	0.58	100	0.64	100	0.49	100	0.28	100	0.26	100	0.45	100
GB0015R	nitrate	mgN/L	0.05	100	0.03	100	0.39	100	0.02	100	0.06	100	0.15	100	0.10	100	0.06	100	0.01	100	0.03	100	0.00	100	0.02	100	0.04	100
GB0048R	nitrate	mgN/L	0.10	100	0.15	100	0.50	100	0.32	100	0.30	100	0.39	100	0.21	100	0.13	100	0.18	100	0.16	100	0.14	100	0.04	96	0.17	99
IE0001R	nitrate	mgN/L	0.08	100	0.13	99	0.12	97	0.10	99	0.11	88	0.04	82	0.06	99	0.06	95	0.17	99	0.04	100	0.02	94	0.04	99	0.07	96
IS0090R	nitrate	mgN/L	0.07	100	0.07	100	0.22	100	0.07	100	0.08	100	0.14	100	0.11	100	0.06	100	0.07	100	0.15	100	0.09	100	0.08	100	0.09	100

Table A.2.1: Cont.

	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	2013

Site	Comp	Unit	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt
IS0091R	nitrate	mgN/L	-	-	0.17	100	0.08	100	0.04	100	0.07	100	0.15	100	0.22	100	0.04	100	0.03	100	0.01	100	0.07	100	0.02	100	0.10	100
NL0091R	nitrate	mgN/L	0.33	98	0.36	99	0.50	91	0.72	92	0.60	94	0.36	100	0.44	100	0.57	98	0.33	97	0.33	99	0.24	98	0.24	91	0.36	97
NO0001R	nitrate	mgN/L	0.46	99	0.61	92	0.50	99	0.63	100	0.53	99	0.23	100	0.57	87	0.39	100	0.23	99	0.30	100	0.33	100	0.28	100	0.35	99
NO0039R	nitrate	mgN/L	0.03	97	0.03	100	0.04	100	0.07	100	0.10	96	0.07	99	0.07	100	0.08	100	0.05	99	0.05	74	0.04	100	0.04	100	0.06	97
NO0554R	nitrate	mgN/L	0.08	100	0.19	100	0.66	100	0.13	100	0.16	100	0.19	100	0.20	100	0.09	100	0.16	100	0.06	100	0.03	100	0.06	100	0.10	100
NO0572R	nitrate	mgN/L	0.13	100	0.23	100	0.12	100	0.23	100	0.31	90	0.25	100	0.37	100	0.20	100	0.23	100	0.15	100	0.08	100	0.13	100	0.18	99
NO0655R	nitrate	mgN/L	0.04	100	0.06	100	0.12	100	0.11	100	0.13	100	0.14	100	0.15	42	0.11	100	0.16	100	0.05	100	0.05	86	0.07	100	0.09	93
SE0014R	nitrate	mgN/L	0.30	100	0.76	97	-	-	0.57	100	0.35	100	0.35	100	0.65	99	0.49	100	0.34	100	0.37	100	0.38	100	0.39	100	0.40	100
BE0014R	amount	mm'	66	100	63	100	72	100	27	100	51	100	54	100	61	100	25	100	65	100	162	100	98	100	53	100	797	100
DE0001R	amount	mm'	43	99	21	100	4	100	24	100	59	100	111	100	29	100	63	100	132	100	105	100	101	100	71	95	764	99
DK0005R	amount	mm'	44	96	23	100	5	100	15	100	78	100	70	100	31	100	41	100	80	100	53	100	43	100	46	98	529	99
DK0008R	amount	mm'	34	96	7	100	2	100	22	98	54	54	63	100	28	100	35	100	33	98	17	54	47	100	52	98	394	91
DK0022R	amount	mm'	13	96	2	100	7	100	15	100	92	100	59	100	20	100	74	100	68	100	69	100	17	100	50	98	485	99
DK0031R	amount	mm'	26	54	22	100	6	100	27	100	42	100	68	100	5	100	52	100	76	100	168	100	52	100	0	98	543	96
ES0005R	amount	mm'	369	99	150	100	340	100	176	100	123	100	87	100	29	100	14	100	149	100	461	100	192	100	249	100	2338	100
ES0008R	amount	mm'	210	99	195	100	167	100	144	100	172	100	88	100	15	100	45	100	70	100	27	100	189	100	49	100	1369	100
ES0017R	amount	mm'	38	99	78	100	154	100	29	100	3	100	0	100	0	100	26	100	27	100	41	100	2	100	21	100	418	100
FR0090R	amount	mm'	117	99	45	100	78	100	52	100	50	100	50	100	24	100	24	100	43	100	110	100	109	100	187	100	891	100
GB0006R	amount	mm'	148	100	99	100	66	100	109	100	154	100	78	100	49	100	86	100	95	100	131	100	131	100	201	100	1347	100
GB0013R	amount	mm'	150	98	64	100	159	100	45	100	64	100	35	100	459	100	38	100	71	100	218	100	59	100	208	100	1570	100
GB0014R	amount	mm'	27	95	39	100	48	100	7	100	77	100	56	100	25	100	86	100	31	100	109	100	42	100	72	100	620	100
GB0015R	amount	mm'	106	100	74	100	30	100	128	100	122	100	31	100	59	100	62	100	78	100	163	100	161	100	222	100	1237	100
GB0048R	amount	mm'	74	100	30	100	16	100	29	80	66	100	23	100	88	100	46	97	59	100	86	100	28	83	134	94	678	96
IE0001R	amount	mm'	274	99	76	100	82	100	126	100	110	100	137	100	111	100	72	100	82	100	169	100	127	100	266	100	1631	100
IE0001R	amount_off	mm'	277	100	78	100	82	100	129	100	109	100	138	100	106	100	73	100	73	100	183	100	125	100	269	100	1641	100
IS0090R	amount	mm'	90	97	104	100	32	100	88	100	45	100	79	100	83	100	108	100	106	100	15	100	69	100	25	97	845	99
IS0091R	amount	mm'	-	-	130	100	71	100	59	100	106	100	83	100	214	100	165	100	123	100	72	100	44	100	30	100	1096	92
NL0091R	amount	mm'	29	97	35	100	32	100	17	100	57	100	53	100	28	100	14	100	115	100	108	100	107	100	68	100	665	100
NO0001R	amount	mm'	79	100	24	100	42	100	97	100	130	100	224	100	4	100	115	100	136	100	172	100	96	100	311	97	1429	100
NO0039R	amount	mm'	45	100	142	100	76	97	101	100	61	97	194	100	183	100	121	100	48	100	116	100	231	100	115	100	1432	99
NO0554R	amount	mm'	137	81	123	100	26	100	350	100	208	100	157	100	268	100	348	100	164	100	490	100	459	100	719	100	3448	98
NO0572R	amount	mm'	143	100	70	100	14	100	284	100	205	100	123	100	111	103	243	97	248	100	230	100	296	100	575	100	2534	100
NO0655R	amount	mm'	79	100	111	100	40	100	263	100	118	100	111	100	241	100	273	100	86	100	303	100	224	100	444	100	2292	100
SE0014R	amount	mm'	31	100	12	100	0	100	31	100	56	100	104	100	31	100	52	100	63	100	78	100	60	100	82	100	597	100

Table A.2.2: Wet deposition of nitrogen, 2013

Site	Comp	Unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year	Total N
BE0014R	ammonium	mg N m/2	23	19	44	29	35	35	41	26	32	21	16	15	337	
BE0014R	nitrate	mg N m/2	17	13	32	8	22	26	24	13	16	22	17	8	218	555
BE0014R	precipitation_amount	mm	49	51	54	19	46	54	61	25	60	142	81	47	691	
DE0001R	ammonium	mg N m/2	14	8	4	47	52	68	24	40	46	55	36	40	432	
DE0001R	nitrate	mg N m/2	16	7	2	38	34	34	13	23	34	34	36	29	298	729
DE0001R	precipitation_amount	mm	43	21	4	24	59	111	29	63	132	105	101	71	764	
DK0005R	ammonium	mg N m/2	9	7	5	43	46	43	26	51	35	28	12	14	326	
DK0005R	nitrate	mg N m/2	15	11	4	22	25	26	14	23	21	23	15	19	215	541
DK0005R	precipitation_amount	mm	44	23	5	15	78	70	31	41	80	53	43	46	529	
DK0008R	ammonium	mg N m/2	7	3	1	27	9	32	24	17	16	5	12	11	164	
DK0008R	nitrate	mg N m/2	13	7	2	15	8	22	14	14	15	6	22	19	156	320
DK0008R	precipitation_amount	mm	34	7	2	22	54	63	28	35	33	17	47	52	394	
DK0022R	ammonium	mg N m/2	3	1	4	21	90	38	22	31	26	24	5	16	281	
DK0022R	nitrate	mg N m/2	3	2	4	11	48	23	13	22	14	22	4	12	177	459
DK0022R	precipitation_amount	mm	13	2	7	15	92	59	20	74	68	69	17	50	485	
DK0031R	ammonium	mg N m/2	2	4	4	27	27	39	2	15	15	27	7	-	173	
DK0031R	nitrate	mg N m/2	3	9	3	17	16	26	2	19	13	31	9	-	151	324
DK0031R	precipitation_amount	mm	26	22	6	27	42	68	5	52	76	168	52	0	543	
ES0005R	nitrate	mg N m/2	24	8	23	12	9	13	7	3	18	29	12	37	195	
ES0005R	ammonium	mg N m/2	16	6	26	12	9	8	4	1	3	19	12	14	130	326
ES0005R	precipitation_amount	mm'	369	150	340	176	123	87	29	14	149	461	192	249	2338	
ES0008R	nitrate	mg N m/2	28	257	111	89	331	35	12	82	26	9	67	109	1157	
ES0008R	ammonium	mg N m/2	24	48	108	131	53	31	8	21	19	6	36	13	496	1653
ES0008R	precipitation_amount	mm'	210	195	167	144	172	88	15	45	70	27	189	49	1369	
GB0015R	nitrate	mg N m/2	6	2	12	3	7	5	6	3	1	5	0	4	54	
GB0015R	ammonium	mg N m/2	6	7	14	3	7	1	5	3	8	16	16	9	97	150
GB0015R	precipitation_amount	mm'	106	74	30	128	122	31	59	62	78	163	161	222	1237	
ES0017R	nitrate	mg N m/2	2	11	12	1.2	0.3	0	0	13	2.1	1.7	0.4	1.2	45	
ES0017R	ammonium	mg N m/2	2	10	12	1.5	0.3	0	0	14	0.5	0.8	0.0	0.9	42	87
ES0017R	precipitation_amount	mm'	38	78	154	29	3	0	0	26	27	41	2	21	418	
FR0090R	nitrate	mg N m/2	16	5	20	24	33	3	22	32	33	138	41	38	404	
FR0090R	precipitation_amount	mm	117	45	78	52	50	50	24	24	43	110	109	187	891	
GB0006R	nitrate	mg N m/2	19	21	57	17	14	7	4	7	11	21	3	0	181	
GB0006R	ammonium	mg N m/2	32	31	80	37	26	20	5	14	46	36	17	27	372	553
GB0006R	precipitation_amount	mm'	148	99	66	109	154	78	49	86	95	131	131	201	1347	

Table A.2.2: Cont

Site	Comp	Unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year	Total N
GB0013R	nitrate	mg N m/2	50	20	98	13	7	21	92	8	32	59	6	25	432	
GB0013R	ammonium	mg N m/2	43	20	135	27	12	20	93	19	39	59	7	42	515	947
GB0013R	precipitation_amount	mm	150	64	159	45	64	35	459	38	71	218	59	208	1570	
GB0014R	nitrate	mg N m/2	17	23	37	7	12	14	12	50	20	53	12	18	276	
GB0014R	ammonium	mg N m/2	18	32	55	13	21	29	25	64	23	47	16	31	372	648
GB0014R	precipitation_amount	mm	27	39	48	7	77	56	25	86	31	109	42	72	620	
GB0048R	nitrate	mg N m/2	8	4	8	9	20	9	18	6	10	14	4	6	117	
GB0048R	ammonium	mg N m/2	13	6	11	16	36	14	31	16	16	18	5	22	205	322
GB0048R	precipitation_amount	mm	74	30	16	29	66	23	88	46	59	86	28	134	678	
IE0001R	ammonium	mg N m/2	16	15	11	13	67	29	8	8	15	7	5	24	219	
IE0001R	nitrate	mg N m/2	22	10	10	13	12	8	7	4	12	7	3	11	117	336
IE0001R	precipitation_amount	mm	274	76	82	126	110	137	111	72	82	169	127	266	1631	
IS0090R	ammonium	mg N m/2	14	21	14	31	37	24	14	51	32	5	14	7	264	
IS0090R	nitrate	mg N m/2	6	7	7	6	4	11	9	6	7	2	6	2	75	339
IS0090R	precipitation_amount	mm	90	104	32	88	45	79	83	108	106	15	69	25	845	
IS0091R	ammonium	mg N m/2	-	27	18	15	106	39	241	180	64	102	6	4	802	
IS0091R	nitrate	mg N m/2	-	22	6	2	7	12	46	7	4	1	3	1	111	913
IS0091R	precipitation_amount	mm	-	130	71	59	106	83	214	165	123	72	44	30	1096	
NL0091R	ammonium	mg N m/2	10	8	26	25	44	35	26	13	45	52	25	23	329	
NL0091R	nitrate	mg N m/2	10	13	16	12	35	19	12	8	38	36	26	16	240	569
NL0091R	precipitation_amount	mm	29	35	32	17	57	53	28	14	115	108	107	68	665	
NO0001R	nitrate	mg N m/2	36	14	21	61	69	52	2	44	31	52	32	86	501	
NO0001R	ammonium	mg N m/2	30	14	17	108	99	70	3	45	26	37	18	57	523	1023
NO0001R	precipitation_amount	mm	79	24	42	97	130	224	4	115	136	172	96	311	1429	
NO0039R	nitrate	mg N m/2	1	4	3	7	6	13	12	9	3	6	9	5	80	
NO0039R	ammonium	mg N m/2	4	18	16	18	14	21	21	35	9	11	13	6	182	262
NO0039R	precipitation_amount	mm	45	142	76	101	61	194	183	121	48	116	231	115	1432	
NO0554R	nitrate	mg N m/2	12	24	17	44	33	29	54	31	26	31	15	47	362	
NO0554R	ammonium	mg N m/2	11	23	13	112	55	86	61	31	24	22	43	77	559	920
NO0554R	precipitation_amount	mm	137	123	26	350	208	157	268	348	164	490	459	719	3448	
NO0572R	nitrate	mg N m/2	21	16	2	64	63	30	40	50	57	34	23	74	470	
NO0572R	ammonium	mg N m/2	48	33	5	147	140	103	102	92	159	45	52	142	1054	1525
NO0572R	precipitation_amount	mm	143	70	14	284	205	123	111	243	248	230	296	575	2534	
NO0655R	nitrate	mg N m/2	3	6	5	30	15	15	35	31	14	16	10	33	208	
NO0655R	ammonium	mg N m/2	18	37	21	103	29	135	65	49	31	38	38	90	668	875
NO0655R	precipitation_amount	mm	79	111	40	263	118	111	241	273	86	303	224	444	2292	
SE0014R	ammonium	mg N m/2	5	3	-	35	29	53	29	26	18	26	14	24	262	
SE0014R	nitrate	mg N m/2	9	9	-	18	20	36	20	25	21	29	23	32	242	504
SE0014R	precipitation_amount	mm	31	12	0	31	56	104	31	52	63	78	60	82	597	

Table A.2.3: Concentrations of nitrogen compounds in air, 2013

				jan		febr		mar		apr		may		june		july		aug		sept		oct		nov		dec		2013	
Site	Comp	matrix	Unit	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg
BE0011R	nitrogen_dioxide	air	µg N /m³	8.22	97	6.39	100	6.09	100	4.57	100	3.65	100	3.04	100	3.65	100	3.35	100	4.26	100	4.87	100	5.48	100	6.09	100	4.96	100
BE0013R	nitrogen_dioxide	air	µg N /m³	7.31	97	5.48	100	4.87	100	4.57	100	3.04	100	2.74	100	3.35	100	3.04	100	3.96	100	3.35	100	3.96	100	4.26	100	4.15	100
DE0001R	nitrogen_dioxide	air	µg N /m³	2.45	100	1.91	100	2.49	94	2.30	100	2.07	100	1.23	100	1.28	100	1.54	77	1.78	87	2.89	100	2.21	100	3.88	100	2.19	96
DK0005R	nitrogen_dioxide	air	µg N /m³	2.46	95	1.95	95	2.07	94	2.63	89	2.98	95	2.03	72	1.37	81	1.39	95	1.50	95	2.44	96	2.26	95	3.95	87	2.26	91
DK0008R	nitrogen_dioxide	air	µg N /m³	1.82	89	1.79	58	1.98	85	2.48	95	2.44	87	1.19	91	1.36	93	1.65	95	1.57	93	2.52	91	2.55	94	3.32	95	2.07	89
ES0005R	nitrogen_dioxide	air	µg N /m³	0.65	99	0.97	99	0.76	99	0.89	99	0.97	99	0.87	99	1.03	99	0.55	99	0.65	99	0.41	99	0.43	99	0.71	99	0.74	99
ES0008R	nitrogen_dioxide	air	µg N /m³	1.26	99	1.55	92	1.19	99	1.11	99	0.90	99	0.90	98	0.95	99	0.90	99	1.12	97	1.24	97	1.03	99	1.59	99	1.14	98
GB0036R	nitrogen_dioxide	air	µg N /m³	5.29	89	4.79	96	5.25	51	3.66	97	4.97	39	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	30
GB0048R	nitrogen_dioxide	air	µg N /m³	2.14	78	2.22	51	-	0	-	0	-	0	-	0	-	0	1.96	67	1.35	8	0.12	77	1.11	71	0.12	1	-	29
IE0001R	nitrogen_dioxide	air	µg N /m³	1.00	100	1.45	86	1.98	100	0.97	100	0.50	100	0.86	100	1.07	100	0.56	100	0.89	93	1.46	100	1.09	71	0.76	92	1.04	95
NL0009R	nitrogen_dioxide	air	µg N /m³	4.75	100	4.01	99	3.39	96	3.87	100	3.00	99	2.12	99	2.38	92	2.94	99	3.04	99	4.39	100	4.22	99	5.78	98	3.67	98
NL0091R	nitrogen_dioxide	air	µg N /m³	7.50	99	4.67	100	5.85	100	4.79	100	3.50	95	2.93	87	3.62	93	4.03	97	3.51	91	5.79	95	4.66	95	6.67	99	4.84	96
NO0002R	nitrogen_dioxide	air	µg N /m³	0.46	100	0.34	100	0.29	100	0.34	100	0.29	100	0.18	100	0.19	100	0.17	100	0.21	100	0.35	100	0.14	100	0.40	100	0.28	100
NO0039R	nitrogen_dioxide	air	µg N /m³	0.19	100	0.25	100	0.23	100	0.10	100	0.09	100	0.14	100	0.13	100	0.16	97	0.12	100	0.19	100	0.12	100	0.16	97	0.16	99
SE0014R	nitrogen_dioxide	air	µg N /m³	1.59	97	1.22	100	1.09	100	1.32	100	1.01	100	0.88	100	1.05	100	0.69	100	0.97	100	1.10	100	1.03	100	1.50	97	1.12	99
GB0036R	nitric_acid	air	µg N /m³	0.04	90	0.09	90	0.06	98	0.11	91	0.05	95	0.04	92	0.07	98	0.06	99	0.05	97	0.07	95	0.04	93	0.02	93	0.06	94
GB0048R	nitric_acid	air	µg N /m³	0.02	90	0.03	96	0.04	79	0.02	97	0.02	94	0.02	89	0.03	79	0.02	67	0.01	73	0.02	67	0.01	84	0.01	88	0.02	83
NO0002R	nitric_acid	air	µg N /m³	0.15	100	0.09	100	0.09	100	0.06	100	0.08	97	0.06	97	0.08	100	0.16	100	0.06	100	0.03	100	0.02	100	0.04	100	0.08	99
NO0039R	nitric_acid	air	µg N /m³	0.06	100	0.02	96	0.02	100	0.06	78	0.04	96	0.05	100	0.04	94	0.10	96	0.02	97	0.01	97	0.04	97	0.05	100	0.04	96
NO0042G	nitric_acid	air	µg N /m³	0.04	100	0.03	100	0.10	100	0.11	90	0.01	100	0.03	97	0.06	100	0.03	59	-	0	0.02	64	0.06	90	0.05	100	0.05	83
DE0001R	nitrate	pm25	µg N /m³	0.67	35	0.91	32	0.77	32	0.92	33	0.86	23	0.37	30	0.12	32	0.07	32	0.14	33	0.51	35	0.24	33	0.53	32	0.50	32
ES0005R	nitrate	pm10	µg N /m³	0.08	81	0.14	74	0.09	75	0.25	73	0.16	86	0.11	100	0.20	97	0.20	100	0.09	100	0.09	94	0.08	93	0.20	68	0.14	87
ES0008R	nitrate	pm25	µg N /m³	0.09	16	0.04	18	0.26	15	0.08	18	0.06	16	0.03	17	0.01	15	0.02	17	0.04	17	0.04	15	0.04	17	0.17	17	0.07	16
ES0008R	nitrate	pm10	µg N /m³	0.13	99	0.24	86	0.39	84	0.39	93	0.34	97	0.21	97	0.21	90	0.27	100	0.21	100	0.20	97	0.17	100	0.27	97	0.25	95
GB0036R	nitrate	pm10	µg N /m³	1.05	88	0.99	99	1.98	98	1.16	92	0.71	96	0.55	93	0.61	98	0.53	99	0.78	88	0.51	96	0.63	93	0.54	93	0.84	95
GB0036R	nitrate	pm25	µg N /m³	1.05	90	0.93	99	1.93	98	1.11	93	0.61	96	0.45	93	0.45	98	0.40	99	0.65	97	0.42	96	0.53	94	0.45	94	0.75	96
GB0048R	nitrate	pm10	µg N /m³	0.28	96	0.49	93	0.43	71	0.35	96	0.31	92	0.29	88	0.28	78	0.25	66	0.23	85	0.29	63	0.16	83	0.12	88	0.29	83
GB0048R	nitrate	pm25	µg N /m³	0.27	98	0.42	96	0.47	78	0.29	97	0.25	94	0.19	89	0.21	79	0.19	67	0.14	68	0.20	67	0.15	84	0.11	88	0.24	84
NL0091R	nitrate	aerosol	µg N /m³	7.61	45	5.73	50	7.39	51	7.10	47	4.16	49	3.89	50	1.83	51	2.35	49	2.46	50	2.71	48	3.06	30	3.07	49	4.28	47
NO0002R	nitrate	aerosol	µg N /m³	0.56	100	0.06	100	0.27	100	0.34	100	0.16	97	0.19	97	0.15	100	0.23	100	0.15	100	0.10	100	0.08	100	0.20	100	0.21	99
NO0039R	nitrate	aerosol	µg N /m³	0.17	100	0.03	96	0.06	98	0.07	77	0.12	96	0.10	100	0.06	94	0.11	96	0.04	97	0.02	100	0.08	97	0.16	100	0.08	96
NO0042G	nitrate	aerosol	µg N /m³	0.11	100	0.07	100	0.30	100	0.27	90	0.11	100	0.10	93	0.09	100	0.08	59	-	0	0.03	64	0.09	90	0.12	100	0.13	83
DK0008R	Sum nitrate	air+aerosol	µg N /m³	0.47	99	0.48	100	0.40	94	0.83	100	0.99	100	0.56	97	0.55	100	0.63	100	0.40	97	0.66	100	0.39	100	0.77	100	0.60	99
DK0031R	Sum nitrate	air+aerosol	µg N /m³	0.71	99	0.76	96	0.76	100	0.84	100	0.98	100	0.55	100	0.61	100	0.56	100	0.37	100	0.65	100	0.29	100	0.30	14	0.64	92
ES0005R	Sum nitrate	air+aerosol	µg N /m³	0.35	99	0.31	100	0.36	100	0.39	100	0.41	100	0.35	100	0.35	100	0.33	100	0.35	94	0.25	54	0.20	93	0.36	97	0.34	95
ES0008R	Sum nitrate	air+aerosol	µg N /m³	0.41	99	0.60	93	0.65	100	0.56	100	0.72	100	0.54	97	0.67	100	0.63	100	0.57	100	0.43	100	0.36	100	0.50	100	0.55	99
ES0017R	Sum nitrate	air+aerosol	µg N /m³	0.54	96	0.48	100	0.44	100	0.59	97	0.53	100	0.55	97	0.49	94	0.71	100	0.74	90	0.45	90	0.37	100	0.55	90	0.54	96
GB0036R	Sum nitrate	air+PM10	µg N /m³	1.09	89	1.08	94	2.05	98	1.28	92	0.76	96	0.58	92	0.67	98	0.59	99	0.83	93	0.58	96	0.67	93	0.56	93	0.89	94
GB0048R	Sum nitrate	air+PM10	µg N /m³	0.30	93	0.52	94	0.47	75	0.38	96	0.34	93	0.31	89	0.31	78	0.27	66	0.25	79	0.31	65	0.17	83	0.13	88	0.31	83

Table A.2.3: Cont.

				jan		febr		mar		apr		may		june		july		aug		sept		oct		nov		dec		2013	
Site	Comp	matrix	Unit	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg
IE0001R	Sum nitrate	air+aerosol	µg N /m³	0.34	99	0.47	100	0.67	100	0.29	93	0.17	100	0.55	100	0.49	100	0.11	100	0.53	73	0.41	100	0.27	100	0.38	100	0.39	97
NO0002R	Sum nitrate	air+aerosol	µg N /m³	0.71	100	0.14	100	0.36	100	0.40	100	0.24	97	0.25	97	0.23	100	0.39	100	0.21	100	0.13	100	0.10	100	0.24	100	0.29	99
NO0039R	Sum nitrate	air+aerosol	µg N /m³	0.23	100	0.05	96	0.08	98	0.13	77	0.16	96	0.15	100	0.09	94	0.21	96	0.06	97	0.03	97	0.12	97	0.21	100	0.13	96
NO0042G	Sum nitrate	air+aerosol	µg N /m³	0.14	100	0.10	100	0.40	100	0.38	90	0.12	100	0.13	93	0.15	100	0.11	59	-	0	0.06	64	0.15	90	0.17	100	0.18	83
SE0014R	Sum nitrate	air+aerosol	µg N /m³	0.30	100	0.30	100	0.36	100	0.55	100	0.83	100	0.53	97	0.44	100	0.44	100	0.21	100	0.43	100	0.29	100	0.58	100	0.44	100
BE0014R	ammonia	air	µg N /m³	2.21	92	1.19	100	3.015	100	2.78	100	1.49	100	0.99	100	1.3	100	2.43	100	2.70	100	1.59	100	0.82	100	1.66	100	1.85	99
DK0008R	ammonia	air	µg N /m³	0.02	99	0.01	97	0.04	73	0.60	93	0.39	100	0.25	97	0.32	56	0.21	31	0.19	97	0.13	100	0.07	100	0.06	100	0.19	87
DK0031R	ammonia	air	µg N /m³	0.17	99	0.29	93	0.74	100	1.29	100	1.15	97	0.44	100	0.60	100	0.61	97	0.68	100	0.36	100	0.25	100	0.17	14	0.59	92
GB0036R	ammonia	air	µg N /m³	0.52	90	0.98	99	1.92	97	3.33	91	2.35	96	1.42	92	2.28	98	1.69	99	2.11	90	1.28	96	0.78	93	0.81	92	1.63	94
GB0048R	ammonia	air	µg N /m³	0.79	90	0.81	96	1.30	79	0.97	97	0.97	94	1.34	81	1.74	79	1.12	87	0.79	72	0.68	67	0.67	81	0.57	89	0.98	84
NL0091R	ammonia	air	µg N /m³	0.49	94	0.82	89	4.37	95	2.90	95	1.38	95	1.49	95	1.84	94	0.89	46	1.48	94	1.78	91	0.45	95	0.60	87	1.59	89
NO0002R	ammonia	air	µg N /m³	0.15	100	0.16	100	0.24	100	0.31	100	0.33	97	0.24	97	0.31	100	0.39	100	0.22	100	0.16	100	0.13	100	0.16	100	0.23	99
NO0039R	ammonia	air	µg N /m³	0.74	100	0.87	96	0.69	100	0.84	78	0.51	96	0.34	100	0.38	94	0.38	96	0.34	97	0.18	100	0.20	97	0.39	100	0.48	96
NO0042G	ammonia	air	µg N /m³	0.21	100	0.07	61	0.11	100	0.19	90	0.12	100	0.19	97	0.22	100	0.16	59	-	0	0.10	60	0.21	90	0.22	97	0.17	80
DE0001R	ammonium	pm25	µg N /m³	0.91	35	1.64	32	1.10	32	1.26	33	1.27	23	0.78	30	0.56	32	0.45	32	0.38	33	0.91	35	0.34	33	0.83	32	0.85	32
DK0008R	ammonium	aerosol	µg N /m³	0.51	99	0.76	86	0.78	81	0.95	100	1.18	100	0.64	90	0.56	56	0.64	38	0.47	97	0.85	100	0.44	100	0.78	100	0.72	87
DK0031R	ammonium	aerosol	µg N /m³	0.98	99	1.26	93	0.95	100	0.95	73	1.30	97	0.74	100	0.84	100	0.69	100	0.52	97	0.85	100	0.35	100	0.25	14	0.84	89
ES0008R	ammonium	pm25	µg N /m³	0.24	16	0.18	18	0.56	15	0.15	18	0.27	16	0.36	17	0.36	15	0.20	17	0.11	17	0.12	15	0.09	17	0.24	17	0.24	16
ES0008R	ammonium	pm10	µg N /m³	0.37	16	0.35	18	0.81	15	0.30	18	0.45	16	0.83	17	1.33	15	0.63	17	0.48	17	0.30	15	0.22	17	0.39	17	0.53	16
GB0036R	ammonium	pm10	µg N /m³	1.36	84	1.80	94	2.73	85	1.59	88	1.20	86	0.88	90	1.19	88	0.89	87	1.22	76	0.65	92	0.74	90	0.60	91	1.23	88
GB0036R	ammonium	pm25	µg N /m³	1.59	90	1.93	99	2.86	98	1.63	93	1.04	96	0.86	93	1.16	98	0.80	99	1.12	89	0.67	96	0.66	94	0.53	92	1.24	95
GB0048R	ammonium	pm10	µg N /m³	0.59	85	0.79	94	0.78	67	0.74	97	0.66	94	0.54	74	0.82	79	0.50	88	0.44	85	0.58	63	0.23	81	0.24	90	0.58	83
GB0048R	ammonium	pm25	µg N /m³	0.53	98	0.61	74	0.97	78	0.25	54	0.62	94	0.60	95	0.74	79	0.45	88	0.30	68	0.46	67	0.22	81	0.22	90	0.51	80
NL0091R	ammonium	aerosol	µg N /m³	2.98	45	2.29	50	2.86	51	2.13	47	1.14	49	0.94	50	0.45	51	0.47	49	0.58	50	0.60	48	0.98	30	0.88	49	1.35	47
NO0002R	ammonium	aerosol	µg N /m³	0.55	100	0.17	100	0.33	100	0.38	100	0.33	97	0.21	97	0.30	100	0.23	100	0.12	100	0.05	100	0.01	100	0.08	100	0.23	99
NO0039R	ammonium	aerosol	µg N /m³	0.14	100	0.06	96	0.09	100	0.10	78	0.22	96	0.08	100	0.13	94	0.08	96	0.04	97	0.01	100	0.04	97	0.12	100	0.09	96
NO0042G	ammonium	aerosol	µg N /m³	0.07	100	0.07	96	0.22	100	0.27	90	0.08	100	0.14	97	0.10	100	0.06	59	-	0	0.01	60	0.05	90	0.13	100	0.11	83
DK0008R	Sum ammonium	air+aerosol	µg N /m³	0.53	99	0.77	92	0.81	77	1.55	97	1.57	100	0.89	93	0.88	56	0.85	35	0.66	97	0.98	100	0.51	100	0.85	100	0.91	87
DK0031R	Sum ammonium	air+aerosol	µg N /m³	1.15	99	1.55	93	1.69	100	2.23	87	2.45	97	1.17	100	1.44	100	1.30	98	1.20	98	1.21	100	0.60	100	0.42	14	1.44	90
GB0036R	Sum ammonium	air+PM10	µg N /m³	1.88	87	2.78	96	4.64	91	4.92	90	3.56	91	2.30	91	3.47	93	2.58	93	3.33	83	1.93	94	1.52	91	1.41	92	2.86	91
GB0048R	Sum ammonium	air+PM10	µg N /m³	1.38	88	1.60	95	2.08	73	1.71	97	1.63	94	1.88	77	2.56	79	1.62	87	1.23	79	1.26	65	0.90	81	0.81	90	1.55	84
ES0005R	Sum ammonium	air+aerosol	µg N /m³	0.68	99	0.97	96	0.81	100	1.01	100	1.05	100	1.15	100	1.64	100	1.37	97	1.13	100	0.73	100	0.90	97	1.18	72	1.05	97
ES0008R	Sum ammonium	air+aerosol	µg N /m³	1.20	99	1.60	93	1.30	100	1.36	100	1.54	100	1.47	97	2.39	100	2.04	100	1.82	100	1.67	100	1.36	100	1.74	100	1.63	99
ES0017R	Sum ammonium	air+aerosol	µg N /m³	1.37	99	1.29	100	1.08	100	1.30	93	1.48	100	1.52	90	2.21	90	1.86	100	1.96	90	1.30	90	1.16	100	1.37	90	1.49	95
IE0001R	Sum ammonium	air+aerosol	µg N /m³	0.70	100	1.08	100	1.52	100	0.83	93	0.54	100	1.23	100	1.37	100	0.51	100	1.16	73	0.71	100	0.56	100	0.76	100	0.91	97
NL0091R	Sum ammonium	air+aerosol	µg N /m³	3.46	70	3.11	70	7.23	73	5.03	71	2.52	72	2.43	72	2.29	73	1.36	47	2.06	72	2.38	70	1.43	63	1.48	68	2.94	68
NO0002R	Sum ammonium	air+aerosol	µg N /m³	0.71	100	0.34	100	0.57	100	0.69	100	0.66	97	0.45	97	0.60	100	0.62	100	0.35	100	0.21	100	0.13	100	0.23	100	0.46	99
NO0039R	Sum ammonium	air+aerosol	µg N /m³	0.88	100	0.94	96	0.78	100	0.94	78	0.72	93	0.42	100	0.51	94	0.47	96	0.38	97	0.19	100	0.24	97	0.51	100	0.57	96
NO0042G	Sum ammonium	air+aerosol	µg N /m³	0.28	100	0.14	57	0.34	100	0.47	90	0.19	100	0.33	97	0.32	100	0.22	59	-	0	0.11	60	0.25	90	0.35	97	0.28	79
SE0014R	Sum ammonium	air+aerosol	µg N /m³	0.36	100	0.54	100	0.47	100	0.96	100	1.37	100	0.74	97	0.64	100	0.66	100	0.40	100	0.55	94	0.26	93	0.54	97	0.63	98

Table A.2.4: Concentrations of heavy metals in precipitation.

			Jan		Febr		Mar		Apr		May		June		July		Aug		Sept		Oct		Nov		Dec		2013	
Site	Comp	unit	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt
BE0014R	arsenic	?gL	0.091	100	0.134	100	0.056	100	0.104	100	0.134	100	0.109	100	0.101	100	0.075	100	0.051	100	-0.02	100	0.001	100	0.009	100	0.054	100

DE0001R	arsenic	gL	0.058	100	0.066	96	0.111	54	0.272	99	0.222	100	0.060	100	0.049	100	0.055	100	0.046	100	0.097	12	0.064	74	0.100	100	0.082	84
DK0008R	arsenic	gL	0.264	100	0.647	100	3.112	100	0.591	100	0.166	100	0.164	100	0.272	100	0.201	100	0.288	100	0.158	100	0.112	100	0.122	100	0.230	100
DK0022R	arsenic	gL	0.067	100	0.075	100	0.270	100	0.302	100	0.173	100	0.134	100	0.196	100	0.064	100	0.075	100	0.089	100	0.093	100	0.049	100	0.099	100
DK0031R	arsenic	gL	0.045	100	0.054	100	0.147	100	0.248	100	0.212	100	0.101	100	0.279	100	0.099	100	0.050	100	0.055	100	0.046	100	0.085	100	0.084	100
ES0008R	arsenic	gL	0.073	100	0.095	100	0.076	100	0.129	100	0.181	100	0.094	100	0.112	100	0.211	100	0.091	100	0.081	100	0.075	100	0.097	100	0.107	100
GB0036R	arsenic	gL	0.033	100	0.078	100	0.199	100	0.150	100	0.123	53	0.077	55	0.089	100	0.147	100	0.073	100	0.053	100	0.048	100	0.002	100	0.090	94
GB0048R	arsenic	gL	0.074	100	0.051	100	0.179	96	0.121	98	0.124	100	0.077	90	0.052	100	0.053	99	0.075	100	0.063	100	0.085	99	0.037	100	0.072	99
IE0001R	arsenic	gL	-0.034	100	-0.085	100	0.049	100	-0.012	100	0.059	100	0.004	100	0.006	100	0.023	100	0.078	100	0.012	100	0.010	100	0.030	100	0.008	100
IS0090R	arsenic	gL	0.045	100	0.045	100	0.045	100	0.045	100	0.045	100	0.045	100	0.045	100	0.045	100	0.045	100	0.045	100	0.045	100	0.045	100	0.045	100
IS0091R	arsenic	gL	0.090	100	0.090	100	-	0	0.180	100	0.090	100	0.090	100	0.090	100	0.090	100	0.090	100	0.180	100	0.090	100	0.090	100	0.098	98
NL0091R	arsenic	gL	0.075	100	0.075	100	0.075	99	0.098	100	0.076	100	0.166	74	0.075	100	0.094	99	0.075	100	0.158	100	0.075	100	0.075	100	0.096	98
NO0001R	arsenic	gL	0.053	100	0.184	100	0.055	100	0.067	100	0.087	100	0.045	100	0.171	100	0.048	100	0.045	100	0.045	100	0.045	100	0.045	100	0.053	100
PT0004R	arsenic	gL	0.200	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.200	100	-	-	-	-
PT0006R	arsenic	gL	0.200	100	0.200	100	0.200	100	0.200	100	0.200	100	0.200	100	0.200	100	-	-	0.200	100	0.200	100	0.200	100	0.200	100	0.200	100
BE0014R	cadmium	gL	0.020	100	0.021	100	0.008	100	0.023	100	0.052	100	0.024	100	0.094	100	0.160	100	0.046	100	0.008	100	0.056	100	0.010	100	0.039	100
DE0001R	cadmium	gL	0.024	100	0.010	96	0.027	54	0.047	99	0.027	100	0.013	100	0.011	100	0.011	100	0.008	100	0.023	12	0.015	74	0.026	100	0.017	84
DK0008R	cadmium	gL	0.023	100	0.023	100	0.016	100	0.047	100	0.027	100	0.022	100	0.029	100	0.015	100	0.036	100	0.022	100	0.009	100	0.016	100	0.023	100
DK0022R	cadmium	gL	0.009	100	0.004	100	0.049	100	0.044	100	0.204	100	0.042	100	0.037	100	0.011	100	0.011	100	0.012	100	0.009	100	0.014	100	0.035	100
DK0031R	cadmium	gL	0.008	100	0.008	100	0.463	100	0.023	100	0.002	100	0.011	100	0.055	100	0.017	100	0.011	100	0.010	100	0.012	100	0.047	100	0.018	100
ES0008R	cadmium	gL	0.028	100	0.037	100	0.107	100	0.097	100	0.230	100	0.075	100	0.041	100	0.138	100	0.167	100	0.106	100	0.067	100	0.044	100	0.100	100
FR0090R	cadmium	gL	0.042	100	0.031	100	0.035	100	0.020	100	0.024	100	0.026	100	0.028	100	0.032	100	0.013	100	0.048	100	0.020	100	0.008	100	0.027	100
GB0036R	cadmium	gL	0.005	100	0.011	100	0.029	100	0.030	100	0.024	53	0.016	55	0.020	100	0.030	100	0.014	100	0.002	100	0.011	100	0.008	100	0.015	94
GB0048R	cadmium	gL	0.005	100	0.004	100	0.043	96	0.008	98	0.020	100	0.014	90	0.006	100	0.004	99	0.007	100	0.004	100	0.002	99	0.004	100	0.008	99
IE0001R	cadmium	gL	0.009	100	0.011	100	0.024	100	0.013	100	0.094	100	0.019	100	0.023	100	0.020	100	0.030	100	0.020	100	0.105	100	0.012	100	0.028	100
IS0090R	cadmium	gL	0.015	100	0.006	100	0.018	100	0.021	100	0.018	100	0.017	100	0.020	100	0.016	100	0.055	100	0.027	100	0.012	100	0.008	100	0.019	100
IS0091R	cadmium	gL	0.006	100	0.015	100	-	0	0.042	100	0.028	100	0.055	100	0.020	100	0.015	100	0.010	100	0.011	100	0.007	100	0.008	100	0.019	98
NL0091R	cadmium	gL	0.017	100	0.017	100	0.017	99	0.030	100	0.022	100	0.124	100	0.017	100	0.024	99	0.017	100	0.017	100	0.021	100	0.022	100	0.028	100
NO0001R	cadmium	gL	0.033	100	0.041	100	0.021	100	0.019	100	0.023	100	0.014	100	0.033	100	0.012	100	0.012	100	0.013	100	0.011	100	0.011	100	0.015	100
NO0039R	cadmium	gL	0.002	99	0.021	100	0.013	100	0.005	100	0.008	100	0.004	100	0.004	100	0.003	100	0.008	99	0.003	100	0.002	100	0.002	100	0.006	100
PT0004R	cadmium	gL	0.050	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.050	100	-	-	-	-
PT0006R	cadmium	gL	0.050	100	0.050	100	0.050	100	0.050	100	0.050	100	0.050	100	0.050	100	-	-	0.050	100	0.050	100	0.050	100	0.050	100	0.050	100
SE0014R	cadmium	gL	0.011	100	0.020	100	-	-	0.118	100	0.077	100	0.010	100	0.022	100	0.011	100	0.020	100	0.020	100	0.010	100	0.029	100	0.027	100
BE0014R	chromium	gL	0.149	100	0.248	100	0.065	100	0.151	100	0.187	100	0.154	100	0.125	100	0.243	100	0.049	100	- 0.002	100	0.068	100	0.050	100	0.103	100
DE0001R	chromium	gL	0.058	100	0.028	96	0.096	54	0.147	99	0.118	100	0.115	100	0.100	100	0.077	100	0.057	100	0.096	12	0.647	74	0.157	100	0.161	84
DK0008R	chromium	gL	0.150	100	0.562	100	2.185	100	0.630	100	0.124	100	0.147	100	0.384	100	0.300	100	0.203	100	0.077	100	0.087	100	0.093	100	0.195	100
DK0022R	chromium	gL	0.037	100	0.069	100	0.376	100	0.408	100	0.233	100	0.233	100	0.294	100	0.093	100	0.041	100	0.070	100	0.116	100	0.062	100	0.117	100
DK0031R	chromium	gL	0.033	100	0.192	100	0.144	100	0.225	100	0.192	100	0.116	100	0.689	100	0.151	100	0.076	100	0.051	100	0.058	100	0.329	100	0.119	100

Table A.2.4: Cont.

			Jan		**Febr**		**Mar**		**Apr**		**May**		**June**		**July**		**Aug**		**Sept**		**Oct**		**Nov**		**Dec**		**2013**	
Site	Comp	unit	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt
ES0008R	chromium	gL	0.507	100	0.610	100	0.999	100	0.676	100	1.828	100	0.479	100	0.986	100	1.435	100	5.056	100	0.961	100	0.781	100	0.761	100	1.131	100
FR0090R	chromium	gL	0.035	100	0.042	100	0.040	100	0.061	100	0.051	100	0.032	100	0.092	100	0.096	100	0.064	100	0.046	100	0.027	100	0.045	100	0.045	100
GB0036R	chromium	gL	0.123	100	0.122	100	0.144	100	0.229	100	0.235	53	0.123	55	0.165	100	0.125	100	0.013	100	0.071	100	0.133	100	0.072	100	0.119	94
GB0048R	chromium	gL	0.023	100	0.026	100	0.113	96	0.149	98	0.150	100	0.056	90	0.015	100	0.033	99	0.050	100	0.026	100	0.079	99	0.204	100	0.092	99

IE0001R	chromium	gL	0.044	100	0.105	100	0.142	100	0.079	100	0.040	100	0.020	100	0.030	100	0.039	100	0.021	100	0.773	100	0.367	100	0.086	100	0.157	100
IS0090R	chromium	gL	0.165	100	0.123	100	0.549	100	0.390	100	0.440	100	0.329	100	0.244	100	0.222	100	0.191	100	0.372	100	0.541	100	0.285	100	0.289	100
IS0091R	chromium	gL	0.090	100	0.090	100	-	0	0.408	100	0.090	100	0.090	100	0.090	100	0.090	100	0.090	100	0.180	100	0.090	100	0.090	100	0.109	98
NL0091R	chromium	gL	0.260	100	0.260	100	0.260	99	0.260	95	0.260	99	0.260	99	0.260	100	0.260	99	0.260	100	0.260	100	0.260	100	0.260	100	0.260	100
NO0001R	chromium	gL	0.097	100	0.182	100	0.049	100	0.092	100	0.060	100	0.048	100	0.286	100	0.050	100	0.046	100	0.052	100	0.075	100	0.051	100	0.059	100
PT0004R	chromium	gL	0.200	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.200	100	-	-	-	-
PT0006R	chromium	gL	0.200	100	0.200	100	0.200	100	0.200	100	0.200	100	0.200	100	0.200	100	-	-	0.200	100	0.200	100	0.200	100	0.200	100	0.200	100
SE0014R	chromium	gL	0.036	100	0.210	100	-	-	0.089	100	0.068	100	0.030	100	0.117	100	0.040	100	0.030	100	0.030	100	0.030	100	0.030	100	0.044	100
BE0014R	copper	gL	12.882	100	15.893	100	1.166	100	10.324	100	3.805	100	18.952	100	66.146	100	12.257	100	-0.559	100	0.608	100	-0.129	100	0.077	100	7.708	100
DE0001R	copper	gL	2.817	100	2.141	96	3.880	54	2.557	99	1.829	100	1.660	100	1.620	100	1.860	100	0.852	100	0.980	12	0.542	74	0.709	100	1.398	84
DK0008R	copper	gL	0.458	100	1.321	100	3.115	100	1.521	100	0.632	100	0.590	100	2.043	100	0.827	100	0.888	100	0.602	100	0.352	100	0.328	100	0.729	100
DK0022R	copper	gL	0.509	100	0.497	100	1.789	100	1.736	100	3.619	100	0.820	100	1.726	100	0.513	100	0.844	100	0.405	100	0.635	100	0.359	100	0.921	100
DK0031R	copper	gL	0.321	100	0.468	100	1.414	100	1.460	100	1.298	100	0.552	100	3.505	100	1.456	100	0.670	100	0.678	100	0.571	100	3.636	100	0.973	100
ES0008R	copper	gL	11.880	100	11.081	100	18.466	100	15.150	100	59.870	100	13.228	100	12.199	100	26.924	100	46.537	100	8.673	100	12.984	100	8.848	100	22.209	100
FR0090R	copper	gL	0.220	100	0.297	100	0.340	100	0.281	100	0.408	100	0.094	100	0.265	100	0.852	100	1.326	100	0.325	100	0.192	100	0.091	100	0.295	100
GB0036R	copper	gL	0.160	100	0.482	100	1.539	100	1.644	100	1.214	53	0.924	55	1.553	100	1.367	100	0.638	100	0.504	100	0.928	100	0.279	100	0.882	94
GB0048R	copper	gL	0.340	100	0.559	100	0.979	96	0.565	98	0.653	100	0.613	90	0.428	100	0.276	99	0.389	100	0.316	100	0.275	99	0.170	100	0.393	99
IE0001R	copper	gL	4.150	100	14.807	100	19.698	100	3.042	100	8.798	100	8.600	100	7.873	100	23.833	100	15.089	100	9.617	100	12.319	100	6.307	100	9.254	100
IS0090R	copper	gL	4.380	100	1.520	100	3.110	100	2.660	100	3.260	100	2.730	100	1.440	100	1.060	100	1.107	100	2.510	100	2.470	100	2.890	100	2.318	100
IS0091R	copper	gL	1.380	100	1.800	100	-	0	6.500	100	2.440	100	1.770	100	1.130	100	1.250	100	0.100	100	1.410	100	0.680	100	1.780	100	1.560	98
NL0091R	copper	gL	1.372	100	0.976	100	0.863	99	2.326	100	1.075	100	3.294	100	1.115	100	2.495	99	0.501	100	0.543	100	0.443	100	0.632	100	1.009	100
NO0001R	copper	gL	0.928	100	0.961	100	0.888	100	1.017	100	0.887	100	0.410	100	2.414	100	0.747	100	0.300	100	1.424	100	4.353	100	0.734	100	0.998	100
PT0004R	copper	gL	1.700	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.600	100	-	-	-	-
PT0006R	copper	gL	1.600	100	1.861	100	1.431	100	2.088	100	2.100	100	2.100	100	2.100	100	-	-	1.600	100	1.554	100	1.399	100	1.400	100	1.660	100
SE0014R	copper	gL	1.365	100	4.020	100	-	-	7.118	100	0.857	100	0.800	100	1.646	100	0.288	100	0.446	100	0.630	100	0.472	100	0.402	100	1.075	100
BE0014R	lead	gL	5.477	100	6.343	100	0.496	100	7.248	100	3.852	100	1.194	100	3.731	100	9.233	100	1.084	100	0.343	100	1.523	100	0.417	100	2.635	100
DE0001R	lead	gL	0.373	100	0.244	96	0.865	54	1.103	99	1.169	100	0.489	100	0.644	100	0.686	100	0.241	100	0.471	12	0.578	74	0.517	100	0.534	84
DK0008R	lead	gL	0.728	100	1.549	100	2.864	100	1.650	100	0.986	100	0.725	100	1.950	100	1.158	100	1.102	100	0.716	100	0.435	100	0.454	100	0.910	100
DK0022R	lead	gL	0.381	100	0.464	100	2.180	100	1.851	100	1.200	100	0.886	100	1.156	100	0.370	100	0.264	100	0.452	100	0.638	100	0.373	100	0.605	100
DK0031R	lead	gL	0.353	100	0.381	100	0.764	100	1.277	100	1.072	100	0.579	100	2.070	100	0.587	100	0.317	100	0.331	100	0.547	100	2.422	100	0.665	100
ES0008R	lead	gL	4.130	100	0.907	100	1.550	100	1.630	100	9.679	100	1.882	100	0.923	100	3.399	100	3.967	100	1.060	100	1.700	100	1.083	100	3.039	100
FR0090R	lead	gL	0.230	100	0.182	100	0.130	100	0.130	100	0.376	100	0.133	100	0.120	100	0.209	100	0.230	100	0.409	100	0.341	100	0.290	100	0.261	100
GB0036R	lead	gL	0.192	100	0.451	100	1.390	100	4.631	100	7.442	53	1.805	55	3.371	100	2.890	100	0.659	100	0.768	100	0.613	100	0.412	100	1.646	94
GB0048R	lead	gL	0.135	100	0.176	100	0.941	96	0.247	98	0.725	100	0.586	90	0.332	100	0.180	99	0.354	100	0.152	100	0.116	99	0.047	100	0.264	99

Table A.2.4: Cont.

			Jan		**Febr**		**Mar**		**Apr**		**May**		**June**		**July**		**Aug**		**Sept**		**Oct**		**Nov**		**Dec**		**2013**	
Site	Comp	unit	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt
IE0001R	lead	gL	0.593	100	0.163	100	1.345	100	0.159	100	0.598	100	0.710	100	0.428	100	0.643	100	0.429	100	0.000	100	0.601	100	0.454	100	0.487	100
IS0090R	lead	gL	0.140	100	0.126	100	0.209	100	0.227	100	0.316	100	0.310	100	0.299	100	0.255	100	0.165	100	0.190	100	0.246	100	0.840	100	0.249	100
IS0091R	lead	gL	0.214	100	0.454	100	-	0	0.360	100	0.280	100	0.372	100	0.313	100	0.263	100	0.098	100	0.299	100	0.074	100	0.202	100	0.265	98
NL0091R	lead	gL	0.386	100	0.552	100	0.361	99	0.612	100	0.899	100	1.030	100	0.631	100	0.768	99	0.448	100	0.667	100	0.564	100	0.452	100	0.612	100
NO0001R	lead	gL	0.961	100	1.180	100	0.693	100	0.817	100	0.892	100	0.375	100	1.182	100	0.491	100	0.400	100	0.531	100	1.143	100	0.490	100	0.602	100
NO0039R	lead	gL	0.086	99	0.396	100	0.292	100	0.123	100	0.169	100	0.147	100	0.105	100	0.054	100	0.745	99	0.059	100	0.044	100	0.090	100	0.157	100
PT0004R	lead	gL	0.210	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.300	100	-	-	-	-

PT0006R	lead	gL	0.200	100	0.661	100	0.427	100	0.511	100	0.200	100	0.210	100	0.210	100	-	-	0.240	100	0.234	100	0.200	100	0.200	100	0.404	100
SE0014R	lead	gL	0.328	100	0.870	100	-	-	0.577	100	0.493	100	0.150	100	0.676	100	0.317	100	0.450	100	0.450	100	0.252	100	0.299	100	0.360	100
BE0014R	mercury	ng/L	4.6	100	4.6	100	4.6	100	6.4	100	8.7	100	10.6	100	13.8	100	36.6	100	6.7	100	3.8	100	4.9	100	4.4	100	7.3	100
DE0001R	mercury	ng/L	3.9	100	3.8	100	8.2	95	15.7	100	8.4	100	5.5	100	11.3	100	10.1	100	5.1	100	4.0	100	2.3	100	2.1	100	5.4	100
ES0008R	mercury	ng/L	8.5	100	6.1	100	5.2	100	10.6	75	3.8	100	12.0	100	3.1	100	10.2	100	10.6	100	9.5	98	5.0	100	5.8	100	7.0	97
GB0036R	mercury	ng/L	4.0	100	3.7	100	3.4	100	4.6	100	4.5	100	8.7	100	9.6	100	9.0	100	4.0	100	3.0	100	1.2	100	2.3	100	3.8	100
GB0048R	mercury	ng/L	2.0	100	2.7	100	6.4	100	4.2	100	2.0	100	-	-	3.0	100	3.2	100	4.0	100	2.6	100	2.0	100	1.1	100	3.0	100
IE0001R	mercury	ng/L	12.5	100	12.5	100	12.5	100	12.5	100	12.5	100	12.5	100	12.5	100	12.5	100	12.5	100	12.5	100	12.5	100	12.5	100	12.5	100
NL0091R	mercury	ng/L	6.3	89	5.8	99	5.5	99	18.1	94	14.3	100	11.4	95	15.9	100	14.7	80	9.9	100	10.9	100	7.4	100	8.3	100	10.0	98
NO0001R	mercury	ng/L	3.7	100	4.4	100	5.4	100	10.3	100	8.0	100	7.2	100	16.0	100	14.4	100	4.7	100	3.8	100	0.7	100	1.6	100	5.5	100
PT0004R	mercury	ng/L	10.0	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.0	100	-	-	-	-
PT0006R	mercury	ng/L	5.0	100	5.0	100	5.0	100	5.0	100	5.0	100	5.0	100	5.0	100	-	-	5.0	100	5.0	100	5.0	100	5.0	100	5.0	100
SE0014R	mercury	ng/L	7	100	7	100	51	100	18	100	10	100	6	100	15	100	11	100	9	100	6	100	8	100	6	100	8	100
BE0014R	nickel	gL	-0.065	100	0.625	100	0.107	100	0.200	100	0.397	100	0.219	100	0.674	100	1.157	100	0.217	100	0.009	100	0.200	100	0.103	100	0.271	100
DE0001R	nickel	gL	0.349	100	0.213	96	0.287	54	0.337	99	0.543	100	0.437	100	0.307	100	0.302	100	0.224	100	0.289	12	0.497	74	0.260	100	0.346	84
DK0008R	nickel	gL	0.215	100	0.120	100	0.172	100	0.288	100	0.431	100	0.474	100	0.368	100	0.316	100	0.342	100	0.302	100	0.171	100	0.220	100	0.318	100
DK0022R	nickel	gL	0.107	100	0.379	100	0.651	100	0.518	100	0.348	100	0.348	100	0.534	100	0.170	100	0.097	100	0.121	100	0.165	100	0.106	100	0.197	100
DK0031R	nickel	gL	0.155	100	0.157	100	0.329	100	0.361	100	0.328	100	0.262	100	1.101	100	0.545	100	0.172	100	0.274	100	0.197	100	0.522	100	0.276	100
ES0008R	nickel	gL	0.653	100	0.666	100	0.536	100	0.629	100	1.317	100	0.520	100	0.625	100	0.920	100	0.942	100	0.709	100	0.520	100	0.589	100	0.722	100
FR0090R	nickel	gL	0.100	100	0.090	100	0.120	100	0.198	100	0.230	100	0.102	100	0.265	100	0.349	100	0.152	100	0.777	100	0.080	100	0.090	100	0.207	100
IE0001R	nickel	gL	0.294	100	0.093	100	0.193	100	0.074	100	0.128	100	0.087	100	0.119	100	0.148	100	0.381	100	0.048	100	0.200	100	0.142	100	0.162	100
IS0090R	nickel	gL	0.330	100	0.310	100	0.889	100	0.784	100	0.903	100	0.532	100	0.412	100	0.474	100	0.652	100	1.235	100	1.259	100	0.959	100	0.628	100
IS0091R	nickel	gL	0.929	100	0.541	100	-	0	0.447	100	0.714	100	0.779	100	0.388	100	0.472	100	0.130	100	0.552	100	0.162	100	0.474	100	0.506	98
NL0091R	nickel	gL	0.205	100	0.215	100	0.211	99	0.291	100	0.228	100	0.210	100	0.205	100	0.205	99	0.205	100	0.205	100	0.205	100	0.205	100	0.211	100
NO0001R	nickel	gL	0.315	100	0.371	100	0.487	100	0.411	100	0.330	100	0.134	100	0.683	100	0.259	100	0.106	100	0.218	100	0.231	100	0.124	100	0.208	100
PT0004R	nickel	gL	0.620	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.730	100	-	-	-	-
PT0006R	nickel	gL	0.350	100	0.359	100	0.420	100	0.361	100	2.500	100	0.590	100	0.590	100	-	-	0.360	100	0.703	100	0.311	100	0.290	100	0.468	100
SE0014R	nickel	gL	0.114	100	0.290	100	-	-	0.177	100	0.107	100	0.050	100	0.230	100	0.140	100	0.140	100	0.130	100	0.110	100	0.139	100	0.123	100
BE0014R	zinc	gL	6.0	100	6.9	100	5.6	100	7.9	100	7.4	100	8.8	100	26.4	100	42.6	100	5.5	100	1.8	100	7.0	100	2.3	100	8.7	100
DE0001R	zinc	gL	3.5	100	5.3	96	12.0	54	10.1	99	8.7	100	7.9	100	3.6	100	3.5	100	1.7	100	4.6	12	5.9	74	6.1	100	5.2	84
ES0008R	zinc	gL	39.2	100	41.1	100	75.2	100	129.1	100	261.0	100	36.8	100	27.2	100	125.2	100	235.2	100	41.9	100	85.4	100	30.5	100	105.0	100

Table A.2.4: Cont.

			Jan		**Febr**		**Mar**		**Apr**		**May**		**June**		**July**		**Aug**		**Sept**		**Oct**		**Nov**		**Dec**		**2013**	
Site	Comp	unit	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt	avg	capt
FR0090R	zinc	gL	1.8	100	1.5	100	2.0	100	2.7	100	2.9	100	0.2	100	5.5	100	8.0	100	5.5	100	9.9	100	3.2	100	1.4	100	3.4	100
GB0036R	zinc	gL	4.1	100	4.3	100	6.5	100	10.9	100	8.9	53	7.3	55	7.9	100	8.3	100	4.8	100	2.6	100	3.0	100	2.7	100	5.4	94
GB0048R	zinc	gL	4.4	100	4.9	100	7.7	96	2.9	98	5.1	100	9.7	90	3.7	100	6.2	99	4.2	100	3.1	100	4.7	99	4.0	100	4.5	99
IE0001R	zinc	gL	12.0	100	76.8	100	39.3	100	36.2	100	54.6	100	26.5	100	67.8	100	49.1	100	70.4	100	22.4	100	103.3	100	62.4	100	47.1	100
IS0090R	zinc	gL	4.6	100	3.4	100	24.9	100	14.9	100	13.7	100	8.5	100	6.9	100	5.1	100	4.8	100	11.7	100	6.8	100	3.3	100	7.4	100
IS0091R	zinc	gL	12.5	100	12.7	100	-	0	21.7	100	8.8	100	14.1	100	8.9	100	19.1	100	4.8	100	9.4	100	2.1	100	14.8	100	11.3	98
NL0091R	zinc	gL	2.7	100	2.7	100	5.4	99	5.6	100	3.6	100	18.3	100	2.5	100	5.0	99	3.9	100	2.0	100	2.1	100	2.0	100	4.3	100
NO0001R	zinc	gL	7.2	100	19.7	100	20.6	100	5.1	100	6.0	100	2.2	100	11.2	100	2.3	100	1.6	100	4.9	100	11.8	100	4.6	100	5.3	100
NO0039R	zinc	gL	1.3	99	21.9	100	40.3	100	1.0	100	2.6	100	0.7	100	1.2	100	1.5	100	6.5	99	4.8	100	3.3	100	2.4	100	6.5	100
PT0004R	zinc	gL	2.6	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.0	100	-	-	-	-

PT0006R	zinc	??gL	9.0	100	9.3	100	4.6	100	7.0	100	13.0	100	14.0	100	14.0	100	-	-	5.9	100	5.9	100	11.9	100	12.0	100	6.4	100
SE0014R	zinc	?gL	3.1	100	7.2	100	-	-	7.9	100	8.9	100	2.3	100	5.3	100	1.5	100	2.2	100	2.6	100	3.0	100	3.9	100	3.7	100
BE0014R	prec	mm'	37	100	56	100	49	77	20	100	44	100	55	100	27	100	40	100	74	100	114	100	98	100	38	100	654	98
BE0014R	Prec (Hg)	mm'	49	84	45	90	61	68	23	72	47	100	60	77	62	55	22	85	74	70	118	99	107	100	49	100	718	83
DE0001R	prec	mm'	37	96	20	100	5	100	22	100	44	100	107	100	29	100	63	100	128	100	104	100	101	100	76	95	737	99
DE0001R	prec (Hg)	mm'	42	96	23	100	4	100	25	100	44	100	109	100	29	100	62	100	133	100	106	100	102	100	73	95	752	99
DK0008R	prec	mm'	43	99	8	100	3	100	22	100	83	100	61	100	27	100	35	100	37	100	60	100	51	100	52	98	483	100
DK0022R	prec	mm'	53	99	23	100	4	100	30	100	76	100	56	100	15	100	78	100	81	100	131	100	70	100	144	98	759	100
DK0031R	prec	mm'	68	99	26	100	6	100	29	100	46	100	76	100	5	100	61	100	153	100	55	98	113	99	46	98	685	99
ES0008R	prec (HM)	mm'	109	99	157	100	176	100	144	100	175	100	106	81	17	28	43	85	67	70	33	99	175	100	52	98	1254	88
FR0090R	prec	mm'	117	99	45	100	78	100	52	100	50	100	50	100	24	100	24	100	43	100	110	100	109	100	187	100	891	100
GB0036R	prec	mm'	26	27	81	100	65	100	41	100	40	100	29	100	42	100	23	100	45	100	96	100	21	100	39	76	548	92
GB0036R	prec (Hg)	mm'	26	27	88	100	80	100	41	100	37	100	29	100	37	100	9	21	47	88	121	100	65	100	133	100	713	86
GB0048R	prec	mm'	67	97	50	100	30	100	45	100	72	100	24	100	78	100	51	100	58	100	81	100	42	100	169	100	765	100
GB0048R	prec (Hg)	mm'	76	100	34	100	38	100	58	100	71	92	-	-	24	24	84	100	46	100	63	100	59	100	133	100	687	85
IE0001R	prec	mm'	274	99	76	100	82	100	126	100	110	100	137	100	111	100	72	100	82	100	169	100	127	100	266	100	1631	100
IS0090R	prec	mm'	103	97	105	100	28	100	56	100	55	100	119	100	75	100	110	100	85	100	16	100	87	100	33	97	873	99
IS0091R	prec	mm'	186	100	168	100	26	100	74	100	114	100	155	100	258	100	195	100	130	100	77	100	176	100	104	100	1664	100
NL0091R	prec	mm'	27	68	39	86	38	87	21	83	68	87	61	87	27	84	22	87	131	83	119	87	111	87	65	81	730	84
NL0091R	prec (Hg)	mm'	32	93	32	100	32	100	16	100	58	100	51	100	31	100	14	100	115	100	115	100	98	100	68	100	663	99
NO0001R	prec (Hg)	mm'	77	100	24	100	42	100	97	100	130	100	224	100	4	100	115	100	136	100	174	100	93	100	308	97	1423	100
NO0001R	prec	mm'	68	100	17	100	44	100	43	100	152	100	195	100	8	100	115	100	134	100	168	100	86	100	418	100	1447	100
NO0039R	prec	mm'	7	100	83	100	87	100	91	100	61	100	189	100	158	100	92	81	47	100	105	100	192	100	64	100	1178	98
PT0004R	prec	mm'	6	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	50	-	-	-	-
PT0006R	prec	mm'	0	2	51	100	178	100	76	100	14	100	6	100	0	100	0	100	96	100	19	100	9	100	1	5	450	84
SE0014R	Prec (Hg)	mm'	22	100	5	100	1	100	10	100	58	100	101	100	15	100	71	100	65	100	58	100	48	100	61	100	515	100
SE0014R	prec	mm'	39	100	10	100	0	100	27	100	46	100	87	100	13	100	53	100	48	100	64	100	52	100	70	100	510	100

Table A.2.5: Wet deposition of heavy metals, 2013

Site	Comp	Unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year
BE0014R	arsenic	µg /m2	3.3	7.5	2.8	2.1	5.8	6.1	2.8	3.0	3.7	-2.3	0.1	0.4	35
DE0001R	arsenic	µg /m2	2.4	1.5	0.5	6.8	9.8	6.5	1.4	3.4	6.1	10.3	6.5	7.3	61
DK0008R	arsenic	µg /m2	11.4	5.2	10.9	13.2	13.7	9.9	7.3	7.1	10.7	9.5	5.8	6.3	111
DK0022R	arsenic	µg /m2	3.5	1.7	1.0	9.1	13.1	7.5	2.9	5.0	6.1	11.7	6.5	7.0	75
DK0031R	arsenic	µg /m2	3.1	1.4	0.9	7.1	9.8	7.7	1.5	6.0	7.7	3.0	5.3	3.9	57
ES0008R	arsenic	µg /m2	7.9	14.9	13.4	18.6	31.6	9.9	1.9	9.1	6.1	2.6	13.2	5.0	134
GB0036R	arsenic	µg /m2	0.8	6.4	12.8	6.2	4.9	2.2	3.7	3.4	3.3	5.1	1.0	0.1	49
GB0048R	arsenic	µg /m2	4.9	2.5	5.3	5.4	9.0	1.9	4.0	2.7	4.3	5.1	3.5	6.3	55
IE0001R	arsenic	µg /m2	0.0	0.0	4.0	0.0	6.5	0.5	0.7	1.6	6.4	2.0	1.3	7.9	14
IS0090R	arsenic	µg /m2	4.7	4.7	1.3	2.5	2.5	5.4	3.4	4.9	3.8	0.7	3.9	1.5	39
IS0091R	arsenic	µg /m2	16.8	15.1	-	13.3	10.3	13.9	23.2	17.5	11.7	13.9	15.9	9.4	164
NL0091R	arsenic	µg /m2	2.1	2.9	2.9	2.0	5.2	10.0	2.0	2.1	9.8	18.8	8.3	4.9	70
NO0001R	arsenic	µg /m2	3.6	3.2	2.4	2.8	13.1	8.8	1.4	5.5	6.0	7.6	3.9	18.8	77
PT0004R	arsenic	µg /m2	1.2	-	-	-	-	-	-	-	-	-	1.6	-	-
PT0006R	arsenic	µg /m2	0.1	10.1	35.7	15.1	2.8	1.1	0.0	-	19.3	3.8	1.8	0.2	90
BE0014R	cadmium	µg /m2	0.7	1.2	0.4	0.5	2.2	1.4	2.6	6.4	3.4	0.9	5.5	0.4	26
DE0001R	cadmium	µg /m2	1.0	0.2	0.1	1.2	1.2	1.4	0.3	0.7	1.0	2.4	1.5	1.9	12
DK0008R	cadmium	µg /m2	1.0	0.2	0.1	1.1	2.2	1.3	0.8	0.5	1.3	1.3	0.5	0.8	11
DK0022R	cadmium	µg /m2	0.5	0.1	0.2	1.3	15.4	2.3	0.5	0.9	0.9	1.6	0.6	2.0	26
DK0031R	cadmium	µg /m2	0.5	0.2	3.0	0.7	0.1	0.8	0.3	1.0	1.6	0.5	1.4	2.2	12
ES0008R	cadmium	µg /m2	3	6	19	14	40	8	1	6	11	3	12	2	125
FR0090R	cadmium	µg /m2	4.9	1.4	2.7	1.1	1.2	1.3	0.7	0.8	0.6	5.3	2.2	1.5	24
GB0036R	cadmium	µg /m2	0.1	0.9	1.9	1.2	1.0	0.5	0.8	0.7	0.6	0.2	0.2	0.3	8
GB0048R	cadmium	µg /m2	0.3	0.2	1.3	0.4	1.5	0.3	0.5	0.2	0.4	0.3	0.1	0.6	6
IE0001R	cadmium	µg /m2	2.5	0.9	2.0	1.7	10.4	2.6	2.6	1.5	2.4	3.4	13.3	3.2	46
IS0090R	cadmium	µg /m2	1.6	0.6	0.5	1.2	1.0	2.0	1.5	1.8	4.7	0.4	1.0	0.3	17
IS0091R	cadmium	µg /m2	1.1	2.5	-	3.1	3.2	8.5	5.1	2.9	1.3	0.9	1.2	0.8	31
NL0091R	cadmium	µg /m2	0.5	0.7	0.7	0.6	1.5	7.5	0.5	0.5	2.2	2.0	2.3	1.5	20
NO0001R	cadmium	µg /m2	2.2	0.7	0.9	0.8	3.6	2.7	0.3	1.3	1.6	2.2	1.0	4.5	22
NO0039R	cadmium	µg /m2	0.0	1.7	1.2	0.4	0.5	0.7	0.7	0.3	0.4	0.3	0.3	0.1	7
PT0004R	cadmium	µg /m2	0.3	-	-	-	-	-	-	-	-	-	0.4	-	-
PT0006R	cadmium	µg /m2	0.0	2.5	8.9	3.8	0.7	0.3	0.0	-	4.8	1.0	0.5	0.0	23
SE0014R	cadmium	µg /m2	0.4	0.2	-	3.2	3.5	0.9	0.3	0.6	1.0	1.3	0.5	2.1	14
BE0014R	chromium	µg /m2	5	14	3	3	8	9	3	10	4	0	7	2	68
DE0001R	chromium	µg /m2	2	1	0	4	5	13	3	5	8	10	66	11	121

Table A.2.5: Cont.

Site	Comp	Unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year

DK0008R	chromium	µg /m2	6	5	8	14	10	9	10	11	8	5	4	5	94
DK0022R	chromium	µg /m2	2	2	1	12	18	13	4	7	3	9	8	9	89
DK0031R	chromium	µg /m2	2	5	1	6	9	9	4	9	12	3	7	15	81
ES0008R	chromium	µg /m2	55	96	175	97	320	51	17	62	337	31	137	40	1419
FR0090R	chromium	µg /m2	4	2	3	3	3	2	2	2	3	5	3	8	40
GB0036R	chromium	µg /m2	3	10	9	9	9	4	7	3	1	7	3	3	65
GB0048R	chromium	µg /m2	2	1	3	7	11	1	1	2	3	2	3	34	70
IE0001R	chromium		12	8	12	10	4	3	3	3	2	131	47	23	257
IS0090R	chromium	µg /m2	17	13	16	22	24	39	18	24	16	6	47	9	252
IS0091R	chromium	µg /m2	17	15	-	30	10	14	23	18	12	14	16	9	181
NL0091R	chromium	µg /m2	7	10	10	5	18	16	7	6	34	31	29	17	190
NO0001R	chromium	µg /m2	7	3	2	4	9	9	2	6	6	9	7	21	85
PT0004R	chromium	µg /m2	1	-	-	-	-	-	-	-	-	-	2	-	-
PT0006R	chromium	µg /m2	0.1	10.1	35.7	15.1	2.8	1.1	0.0	-	19.3	3.8	1.8	0.2	90
SE0014R	chromium	µg /m2	1.4	2.2	-	2.4	3.1	2.6	1.6	2.1	1.4	1.9	1.6	2.1	22
BE0014R	copper	µg /m2	472	896	58	209	166	1050	1818	494	-41	-69	-13	3	5042
DE0001R	copper	µg /m2	118	49	16	64	81	182	47	115	113	104	55	52	1051
DK0008R	copper	µg /m2	20	11	11	34	52	36	55	29	33	36	18	17	352
DK0022R	copper	µg /m2	27	11	7	53	273	46	26	40	68	53	44	52	699
DK0031R	copper	µg /m2	22	12	9	42	60	42	19	89	103	37	65	167	666
ES0008R	copper	µg /m2	1294	1741	3242	2182	10491	1400	212	1169	3101	284	2274	460	27850
FR0090R	copper	µg /m2	26	13	26	15	21	5	6	21	56	36	21	17	263
GB0036R	copper	µg /m2	4	39	99	68	49	27	65	32	29	49	19	11	483
GB0048R	copper	µg /m2	23	28	29	25	47	15	33	14	23	26	11	29	301
IE0001R	copper	µg /m2	1136	1122	1615	383	968	1174	877	1711	1242	1627	1564	1675	15092
IS0090R	copper	µg /m2	453	160	88	149	180	325	108	116	95	41	215	95	2024
IS0091R	copper	µg /m2	257	303	-	480	278	274	292	244	13	109	120	185	2595
NL0091R	copper	µg /m2	38	38	33	48	74	199	30	56	65	65	49	41	736
NO0001R	copper	µg /m2	63	16	39	43	135	80	20	86	40	240	375	307	1444
PT0004R	copper	µg /m2	11	-	-	-	-	-	-	-	-	-	12	-	-
PT0006R	copper	µg /m2	0	94	255	158	30	12	0	-	154	30	13	1	747
SE0014R	copper	µg /m2	53	42	-	193	40	70	22	15	21	40	25	28	549
BE0014R	lead	µg /m2	201	358	25	147	168	66	103	372	80	39	149	16	1724
DE0001R	lead	µg /m2	16	6	4	28	52	53	19	43	32	50	59	38	401
DK0008R	lead	µg /m2	32	12	10	37	82	44	53	41	41	43	22	23	440

Table A.2.5: Cont.

Site	Comp	Unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year
DK0022R	lead	µg /m2	20	11	8	56	91	50	17	29	21	59	45	54	459
DK0031R	lead	µg /m2	24	10	5	36	50	44	11	36	49	18	62	111	456

ES0008R	lead	µg /m2	450	143	272	235	1696	199	16	148	264	35	298	56	3811
FR0090R	lead	µg /m2	27	8	10	7	19	7	3	5	10	45	37	54	232
GB0036R	lead	µg /m2	5	37	90	191	297	52	142	67	30	74	13	16	902
GB0048R	lead	µg /m2	9	9	28	11	52	14	26	9	21	12	5	8	202
IE0001R	lead	µg /m2	162	12	110	20	66	97	48	46	35	0	76	121	794
IS0090R	lead	µg /m2	14	13	6	13	17	37	22	28	14	3	21	28	217
IS0091R	lead	µg /m2	40	76	-	27	32	58	81	51	13	23	13	21	441
NL0091R	lead	µg /m2	11	21	14	13	62	62	17	17	58	80	63	30	447
NO0001R	lead	µg /m2	65	20	31	35	135	73	10	56	53	89	98	205	872
NO0039R	lead	µg /m2	1	33	25	11	10	28	17	5	35	6	8	6	185
PT0004R	lead	µg /m2	1	-	-	-	-	-	-	-	-	-	2	-	-
PT0006R	lead	µg /m2	0.1	33.4	76.2	38.7	2.8	1.2	0.0	-	23.1	4.5	1.8	0.2	182
SE0014R	lead	µg /m2	13	9	-	16	23	13	9	17	22	29	13	21	184
BE0014R	mercury	ng/m2	226	209	283	144	412	637	855	789	496	445	524	217	5237
DE0001R	mercury	ng/m2	146	75	42	345	371	586	332	641	650	419	231	161	3998
ES0008R	mercury	ng/m2	920	965	917	1526	657	1266	54	441	707	312	883	304	8820
GB0036R	mercury	ng/m2	103	323	274	188.5	168.2	249.1	357.5	81.3	187.8	361.6	78.1	308.7	2682
GB0048R	mercury	ng/m2	153.0	91.5	243.6	240.2	143.6	-	71.1	270.6	184.9	165.2	118.9	145.5	1828
IE0001R	mercury	ng/m2	3421	947	1025	1572	1375	1706	1393	897	1029	2114	1587	3321	20387
NL0091R	mercury	ng/m2	202	188	177	292	833	581	486	210	1138	1257	733	568	6655
NO0001R	mercury	ng/m2	284	104	228	999	1031	1607	61	1663	631	655	65	484	7812
PT0004R	mercury	ng/m2	62	-	-	-	-	-	-	-	-	-	78	-	-
PT0006R	mercury	ng/m2	1	253	892	378	71	28	1	-	481	95	45	4	2250
SE0014R	mercury	ng/m2	158	39	41	189	576	567	216	766	553	373	367	353	4199
BE0014R	nickel	µg /m2	-2	35	5	4	17	12	19	47	16	1	20	4	177
DE0001R	nickel	µg /m2	15	5	1	8	24	48	9	19	30	31	51	19	260
DK0008R	nickel	µg /m2	9	1	1	6	36	29	10	11	13	18	9	11	154
DK0022R	nickel	µg /m2	6	9	2	16	26	19	8	13	8	16	12	15	150
DK0031R	nickel	µg /m2	11	4	2	10	15	20	6	33	26	15	22	24	189
ES0008R	nickel	µg /m2	71	105	94	91	231	55	11	40	63	23	91	31	905
FR0090R	nickel	µg /m2	12	4	9	10	12	5	6	9	6	86	9	17	185
IE0001R	nickel	µg /m2	80	7	16	9	14	12	13	11	31	8	25	38	265
IS0090R	nickel	µg /m2	34	33	25	44	50	63	31	52	56	20	109	32	549

Table A.2.5: Cont.

Site	Comp	Unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year
IS0091R	nickel	µg /m2	173	91	-	33	81	121	100	92	17	43	29	49	842
NL0091R	nickel	µg /m2	6	8	8	6	16	13	5	5	27	24	23	13	154
NO0001R	nickel	µg /m2	21	6	22	18	50	26	6	30	14	37	20	52	301
PT0004R	nickel	µg /m2	4	-	-	-	-	-	-	-	-	-	6	-	-

PT0006R	nickel	µg /m2	0.1	18	75	27	36	3	0.1	-	35	13	3	0.2	210
SE0014R	nickel	ng /m2	4	3	-	5	5	4	3	7	7	8	6	10	63
BE0014R	zinc	ng /m2	221	390	277	159	324	488	725	1719	405	202	683	88	5681
DE0001R	zinc	µg /m2	145	121	49	253	383	868	103	220	230	492	603	446	3935
ES0008R	zinc	ng /m2	4263	6457	13203	18585	45728	3892	474	5434	15671	1372	14952	1583	131614
FR0090R	zinc	ng /m2	210	66	158	140	145	9	131	196	236	1095	348	268	3002
GB0036R	zinc	ng /m2	105	346	422	447	356	212	332	193	215	251	64	103	2954
GB0048R	zinc	ng /m2	291	246	227	129	370	236	287	314	246	253	194	678	3454
IE0001R	zinc	ng /m2	3284	5817	3218	4557	6004	3613	7561	3523	5797	3781	13107	16590	76853
IS0090R	zinc	ng /m2	477	355	706	833	754	1005	514	554	408	191	594	109	6500
IS0091R	zinc	ng /m2	2319	2133	-	1605	998	2180	2292	3725	621	728	368	1534	18795
NL0091R	zinc	ng /m2	73	106	206	116	246	1109	65	112	510	234	235	128	3141
NO0001R	zinc	ng /m2	488	338	911	218	914	428	94	260	218	819	1021	1924	7634
NO0039R	zinc	µg /m2	9	1822	3491	93	159	135	193	134	310	500	633	155	7633
PT0004R	zinc	µg /m2	16	-	-	-	-	-	-	-	-	-	86	-	-
PT0006R	zinc	µg /m2	2	472	814	531	185	79	2	-	568	112	108	10	2883
SE0014R	zinc	µg /m2	122	74	-	213	409	200	72	81	106	166	157	272	1873

Table A.2.6: Concentrations of heavy metals in air, 2013.

				Jan		Febr		Mar		Apr		May		June		July		Aug		Sept		Oct		Nov		Dec		2013	
Site	Comp	matrix	Unit	conc	capt	conc	capt	conc	capt	conc	capt	conc	capt	conc	capt	conc	capt	conc	capt	conc	capt	conc	capt	conc	capt	conc	capt	conc	capt
BE0014R	arsenic	pm10	ng/m3	1.32	100	0.96	96	0.96	100	0.59	100	0.48	100	0.45	100	0.63	100	0.53	100	0.56	97	0.51	100	0.45	100	0.57	100	0.67	99
DE0001R	arsenic	pm10	ng/m3	0.60	97	0.49	100	0.43	100	0.34	100	0.26	100	0.22	100	0.20	100	0.20	100	0.23	100	0.37	100	0.24	100	0.23	100	0.32	100
DK0008R	arsenic	aerosol	ng/m3	0.36	99	0.42	100	0.43	81	0.29	98	0.41	89	0.20	97	0.16	40	0.22	38	0.22	97	0.38	100	0.20	100	0.32	100	0.31	86
ES0008R	arsenic	pm10	ng/m3	0.08	16	0.14	17	0.07	17	0.17	17	0.13	16	0.12	17	0.22	15	0.16	17	0.21	17	0.14	15	0.17	17	0.24	17	0.16	16
GB0036R	arsenic	aerosol	ng/m3	0.81	96	1.23	100	0.90	100	0.45	100	0.38	100	0.39	100	0.40	100	0.39	100	0.63	100	0.47	100	0.89	100	0.59	100	0.62	100
GB0048R	arsenic	aerosol	ng/m3	0.17	96	0.28	100	0.30	99	0.22	31	0.16	77	0.25	100	0.17	100	0.13	100	0.18	92	0.23	100	0.32	86	0.17	100	0.21	90
IS0091R	arsenic	aerosol	ng/m3	0.02	100	0.04	100	0.06	1	0.06	49	0.07	100	0.04	100	0.05	100	0.04	52	0.04	100	0.03	100	0.02	100	0.03	100	0.04	83
NL0009R	arsenic	aerosol	ng/m3	0.36	51	0.38	50	0.40	49	0.29	47	0.24	51	0.17	50	0.23	49	0.43	51	0.20	50	0.36	49	0.21	50	0.31	51	0.30	50
NO0002R	arsenic	pm10	ng/m3	0.11	97	0.17	75	0.23	100	0.15	100	0.27	100	0.12	100	0.08	100	0.12	100	0.20	100	0.21	100	0.09	100	0.05	100	0.15	98
NO0042	arsenic	aerosol	ng/m3	0.27	29	0.05	29	0.26	26	0.11	20	0.03	13	0.03	27	0.02	35	0.01	32	0.04	37	0.03	19	0.03	27	0.17	68	0.10	30
NO0090R	arsenic	aerosol	ng/m3	0.04	26	0.02	29	0.10	19	0.06	27	0.05	19	0.02	23	0.04	32	0.02	26	0.08	30	0.02	23	0.01	27	0.01	19	0.04	25
SE0014R	arsenic	aerosol	ng/m3	0.26	97	0.24	96	0.20	87	0.17	98	0.13	96	0.10	93	0.09	87	0.13	94	0.14	94	0.29	97	0.13	96	0.14	91	0.17	94
BE0014R	cadmium	pm10	ng/m3	0.348	100	0.259	96	0.252	100	0.157	100	0.158	100	0.093	100	0.142	100	0.123	100	0.162	97	0.165	100	0.120	100	0.248	100	0.185	99
DE0001R	cadmium	pm10	ng/m3	0.092	97	0.106	100	0.124	100	0.076	100	0.056	100	0.033	100	0.032	100	0.045	100	0.053	100	0.087	100	0.042	100	0.090	100	0.070	100
DK0008R	cadmium	aerosol	ng/m3	0.056	99	0.086	100	0.074	81	0.056	98	0.106	89	0.019	97	0.009	40	0.036	38	0.016	97	0.066	100	0.035	100	0.080	100	0.056	86
ES0008R	cadmium	pm10	ng/m3	0.034	16	0.042	17	0.046	17	0.084	17	0.050	16	0.138	17	0.097	15	0.063	17	0.092	17	0.050	15	0.071	17	0.114	17	0.074	16
GB0036R	cadmium	aerosol	ng/m3	0.105	96	0.137	100	0.155	100	0.076	100	0.064	100	0.066	100	0.075	100	0.102	100	0.113	100	0.065	100	0.113	100	0.084	100	0.096	100
GB0048R	cadmium	aerosol	ng/m3	0.022	96	0.034	100	0.044	99	0.027	31	0.026	77	0.025	100	0.020	100	0.020	100	0.021	92	0.022	100	0.018	86	0.014	100	0.024	90
IS0091R	cadmium	aerosol	ng/m3	0.002	100	0.011	100	0.021	1	0.107	49	0.010	100	0.054	100	0.052	100	1.637	52	0.034	100	0.005	100	0.004	100	0.020	100	0.111	83
NL0009R	cadmium	aerosol	ng/m3	0.144	51	0.143	50	0.148	49	0.108	47	0.117	51	0.094	50	0.063	49	0.093	51	0.062	50	0.116	49	0.062	50	0.135	51	0.107	50
NO0002R	cadmium	pm10	ng/m3	0.029	97	0.041	75	0.041	100	0.032	100	0.048	100	0.026	100	0.011	100	0.016	100	0.032	100	0.030	100	0.014	100	0.012	100	0.027	98
NO0042G	cadmium	aerosol	ng/m3	0.035	29	0.009	29	0.026	26	0.023	20	0.005	13	0.004	27	0.004	35	0.001	32	0.007	37	0.003	19	0.004	27	0.019	68	0.012	30
NO0090R	cadmium	aerosol	ng/m3	0.010	26	0.006	29	0.016	19	0.010	27	0.009	19	0.002	23	0.006	32	0.004	26	0.019	30	0.003	23	0.002	27	0.002	19	0.008	25
SE0014R	cadmium	aerosol	ng/m3	0.054	97	0.064	96	0.041	87	0.036	98	0.025	96	0.012	93	0.012	87	0.020	94	0.019	94	0.044	97	0.015	96	0.035	91	0.032	94
BE0014R	chromium	pm10	ng/m3	3.57	100	2.46	96	3.78	100	2.99	100	2.66	100	2.76	100	2.17	100	1.66	100	1.52	97	1.70	100	0.98	100	1.18	100	2.29	99
ES0008R	chromium	pm10	ng/m3	0.31	16	0.61	17	2.16	17	2.46	17	1.76	16	0.53	17	1.01	15	0.66	17	0.58	17	0.61	15	0.95	17	1.01	17	1.06	16
GB0036R	chromium	aerosol	ng/m3	1.56	96	1.32	100	1.96	100	0.69	100	0.11	100	0.06	100	0.65	100	1.08	100	1.53	100	1.20	100	1.26	100	0.14	100	0.96	100
GB0048R	chromium	aerosol	ng/m3	1.64	96	1.85	100	1.20	99	0.30	31	0.06	77	0.06	100	0.12	100	0.48	100	0.71	92	1.16	100	1.20	86	0.06	100	0.76	90
IS0091R	chromium	aerosol	ng/m3	4.00	100	8.77	100	14.38	1	2.37	49	5.02	100	15.17	100	5.85	100	1.27	52	4.36	100	7.23	100	2.24	100	3.37	100	5.75	83
NO0002R	chromium	pm10	ng/m3	0.24	97	0.19	75	0.24	100	0.28	100	0.39	100	0.27	100	0.44	100	0.27	100	0.29	100	0.28	100	0.28	100	0.74	100	0.33	98
NO0042G	chromium	aerosol	ng/m3	0.40	29	0.13	29	0.13	26	0.04	20	0.03	13	0.40	27	0.17	35	0.03	32	0.06	37	0.29	19	0.18	27	0.12	68	0.16	30
NO0090R	chromium	aerosol	ng/m3	0.10	26	0.07	29	0.11	19	0.07	27	0.26	19	0.05	23	0.10	32	0.05	26	0.18	30	0.05	23	0.05	27	0.19	19	0.10	25
SE0014R	chromium	aerosol	ng/m3	0.59	97	1.10	96	0.85	87	0.03	98	0.02	96	0.18	93	0.29	87	0.30	94	0.30	94	0.32	97	0.11	96	0.14	91	0.35	94
BE0014R	copper	pm10	ng/m3	7.16	100	5.14	96	5.53	100	3.63	100	3.12	100	3.65	100	3.51	100	4.50	100	4.12	97	4.10	100	3.53	100	6.41	100	4.54	99
GB0036R	copper	aerosol	ng/m3	2.83	96	3.20	100	4.37	100	2.23	100	1.94	100	2.29	100	2.01	100	0.41	100	3.68	100	2.07	100	3.03	100	2.03	100	2.50	100
GB0048R	copper	aerosol	ng/m3	0.50	96	1.02	100	0.91	99	2.32	31	1.31	77	3.56	100	0.93	100	0.03	100	0.44	92	0.67	100	0.88	86	0.41	100	1.00	90
IS0091R	copper	aerosol	ng/m3	0.38	100	0.47	100	0.63	1	0.71	49	0.79	100	0.57	100	0.66	100	7.58	52	0.81	100	0.59	100	0.61	100	0.77	100	1.00	83
NO0002R	copper	pm10	ng/m3	0.19	97	0.56	75	0.62	100	0.44	100	0.93	100	0.40	100	0.45	100	0.56	100	0.84	100	0.57	100	0.22	100	0.42	100	0.52	98
NO0042G	copper	aerosol	ng/m3	0.27	29	0.11	29	0.34	26	0.47	20	0.06	13	0.27	27	0.28	35	0.12	32	0.33	37	0.31	19	0.16	27	0.24	68	0.25	30
NO0090R	copper	aerosol	ng/m3	0.27	26	0.17	29	0.31	19	0.25	27	0.39	19	0.10	23	0.20	32	0.11	26	0.32	30	0.11	23	0.11	27	0.68	19	0.24	25
SE0014R	copper	aerosol	ng/m3	1.40	97	1.00	96	1.00	87	0.86	98	0.61	96	1.10	93	0.78	87	2.31	94	0.83	94	0.93	97	0.61	96	0.85	91	1.02	94

Table A.2.6: Cont.

				Jan		Febr		Mar		Apr		May		June		July		Aug		Sept		Oct		Nov		Dec		2013	
Site	Comp	matrix	Unit	conc	capt	conc	capt	conc	capt	conc	capt	conc	capt	conc	capt	conc	capt	conc	capt	conc	capt	conc	capt	conc	capt	conc	capt	conc	capt
BE0014R	lead	pm10	ng/m3	13.62	100	10.61	96	10.32	100	5.78	100	4.03	100	3.55	100	4.93	100	4.55	100	6.71	97	5.73	100	5.15	100	8.49	100	6.94	99
DE0001R	lead	pm10	ng/m3	2.61	97	3.27	100	2.94	100	2.46	100	1.70	100	1.18	100	1.07	100	1.45	100	1.61	100	3.08	100	1.48	100	3.17	100	2.16	100
DK0008R	lead	aerosol	ng/m3	2.16	74	-	0	2.32	47	1.28	98	2.33	89	0.82	97	0.71	40	0.65	6	0.68	56	3.05	100	1.00	100	2.92	97	1.80	67
ES0008R	lead	pm10	ng/m3	1.20	16	1.74	17	0.87	17	3.51	17	2.00	16	2.78	17	3.32	15	2.72	17	7.31	17	1.66	15	2.09	17	4.08	17	2.78	16
GB0036R	lead	aerosol	ng/m3	6.36	96	6.22	100	6.95	100	3.87	100	3.70	100	3.16	100	4.15	100	3.33	100	4.91	100	3.88	100	6.58	100	4.37	100	4.77	100
GB0048R	lead	aerosol	ng/m3	1.16	96	1.98	100	1.94	99	1.14	31	1.03	77	1.46	100	1.33	100	0.77	100	1.06	92	1.09	100	1.44	86	0.76	100	1.27	90
IS0091R	lead	aerosol	ng/m3	0.17	100	0.86	100	1.66	1	0.48	49	0.25	100	0.59	100	0.32	100	6.61	52	0.33	100	0.23	100	0.20	100	0.60	100	0.72	83
NL0009R	lead	aerosol	ng/m3	5.20	51	4.90	50	4.60	49	3.10	47	3.50	51	1.70	50	2.00	49	3.60	51	2.70	50	4.30	49	2.70	50	5.20	51	3.600	50
NO0002R	lead	pm10	ng/m3	0.64	97	0.97	75	1.11	100	0.84	100	1.28	100	0.59	100	0.35	100	0.49	100	0.87	100	0.79	100	0.39	100	0.52	100	0.73	98
NO0042G	lead	aerosol	ng/m3	1.18	29	0.31	29	0.95	26	0.77	20	0.13	13	0.14	27	0.07	35	0.04	32	0.40	37	0.51	19	0.20	27	0.61	68	0.46	30
NO0090R	lead	aerosol	ng/m3	0.31	26	0.20	29	0.58	19	0.33	27	0.30	19	0.08	23	0.20	32	0.09	26	0.61	30	0.09	23	0.07	27	0.06	19	0.24	25
SE0014R	lead	aerosol	ng/m3	1.30	97	1.60	96	1.10	87	0.91	98	0.81	96	0.47	93	0.45	87	0.73	94	0.93	94	1.60	97	0.51	96	1.36	91	0.98	94
ES0008R	mercury	air	ng/m3	0.52	99	0.54	91	0.61	100	0.55	99	0.48	100	0.30	58	-	0	0.45	96	0.42	99	0.42	99	0.35	99	0.38	99	0.46	87
GB0048R	mercury	air	ng/m3	0.20	73	0.69	100	0.53	100	1.01	100	0.70	100	1.24	100	0.89	76	-	0	-	0	1.13	50	1.51	100	1.01	94	0.90	74
IS0091R	mercury	aerosol	pg/m3	3.63	100	4.46	100	5.72	1	7.44	49	5.86	100	4.93	100	4.93	100	8.14	52	3.44	100	4.13	100	3.19	100	3.18	100	4.56	83
NO0002R	mercury	air	ng/m3	1.69	88	1.70	93	1.57	78	1.53	65	1.51	96	1.55	98	1.48	78	1.50	25	1.42	89	1.57	84	1.47	25	1.59	93	1.56	76
NO0042G	mercury	air	ng/m3	1.52	65	1.65	89	1.39	90	1.22	96	1.40	100	1.45	95	1.52	28	1.63	96	1.51	96	1.48	92	1.40	41	1.52	69	1.47	80
NO0090R	mercury	air	ng/m3	1.66	97	1.68	100	1.58	96	1.46	93	1.41	97	1.40	98	1.44	93	1.42	79	1.50	37	1.56	99	1.60	75	1.69	98	1.53	88
SE0014R	mercury	air+aerosol	ng/m3	1.56	23	1.63	29	1.41	29	1.35	27	1.59	29	1.47	30	1.50	26	1.47	31	1.40	28	1.46	29	1.39	29	1.31	23	1.46	28
SE0014R	mercury	aerosol	pg/m3	6.23	26	5.10	29	12.31	29	5.19	27	8.03	29	5.40	30	2.67	26	2.88	31	3.57	28	2.44	26	1.70	29	4.15	27	5.01	28
BE0014R	nickel	pm10	ng/m3	3.31	100	2.72	96	4.28	100	4.18	100	4.76	100	6.37	100	8.73	100	5.13	100	2.75	97	2.08	100	1.77	100	1.75	100	4.00	99
DE0001R	nickel	pm10	ng/m3	0.87	97	0.75	100	1.12	100	2.10	100	2.05	100	1.26	100	1.46	100	1.60	100	0.71	100	1.14	100	0.60	100	1.12	100	1.24	100
DK0008R	nickel	aerosol	ng/m3	0.68	74	-	0	2.08	47	3.77	98	8.43	89	2.59	97	2.63	40	50.24	3	1.07	12	1.15	100	0.98	88	2.58	13	3.09	55
ES0008R	nickel	pm10	ng/m3	0.83	16	0.61	17	0.84	17	1.14	17	1.05	16	1.14	17	1.47	15	1.18	17	0.86	17	1.27	15	1.99	17	0.91	17	1.10	16
IS0091R	nickel	aerosol	ng/m3	2.81	100	5.09	100	7.95	1	1.45	49	2.80	100	8.11	100	3.52	100	5.26	52	2.63	100	4.04	100	1.90	100	2.40	100	3.66	83
NL0009R	nickel	aerosol	ng/m3	1.27	51	0.99	50	0.80	49	1.94	47	1.90	51	1.55	50	1.96	49	1.42	51	1.09	50	0.77	49	0.62	50	0.72	51	1.25	50
NO0002R	nickel	pm10	ng/m3	0.14	97	0.37	75	0.33	100	0.39	100	0.76	100	0.47	100	0.50	100	0.47	100	0.47	100	0.33	100	0.12	100	0.23	100	0.38	98
NO0042G	nickel	aerosol	ng/m3	0.23	29	0.06	29	0.12	26	0.18	20	0.02	13	0.17	27	0.09	35	0.01	32	0.17	37	0.19	19	0.08	27	0.12	68	0.12	30
NO0090R	nickel	aerosol	ng/m3	0.06	26	0.07	29	0.14	19	0.13	27	0.20	19	0.12	23	0.17	32	0.09	26	0.33	30	0.07	23	0.08	27	0.10	19	0.13	25
SE0014R	nickel	aerosol	ng/m3	0.91	97	0.89	96	0.54	87	0.63	98	0.59	96	1.49	93	0.82	87	0.75	94	0.41	94	0.48	97	0.18	96	0.65	91	0.69	94
BE0014R	zinc	pm10	ng/m3	46.60	100	27.00	96	30.32	100	20.68	100	17.90	100	16.62	100	28.95	100	21.64	100	33.32	97	31.35	100	21.41	100	34.37	100	27.55	99
ES0008R	zinc	pm10	ng/m3	1.16	16	6.44	17	70.13	17	73.60	17	34.88	16	12.29	17	19.40	15	14.80	17	21.86	17	12.24	15	13.56	17	20.23	17	25.37	16
GB0036R	zinc	aerosol	ng/m3	10.82	96	12.38	100	14.74	100	18.84	100	7.93	100	5.84	100	9.81	100	10.51	100	9.94	100	4.64	100	10.09	100	8.12	100	10.28	100
GB0048R	zinc	aerosol	ng/m3	1.48	96	1.84	100	2.47	99	1.48	31	1.50	77	2.72	100	3.13	100	1.50	100	2.45	92	1.81	100	1.75	86	1.50	100	2.01	90
IS0091R	zinc	aerosol	ng/m3	1.41	100	2.18	100	3.24	1	13.18	49	2.25	100	7.20	100	3.73	100	244.56	52	7.53	100	2.76	100	1.82	100	23.10	100	18.77	83
NL0009R	zinc	aerosol	ng/m3	30.43	51	20.12	50	32.14	49	20.79	47	32.63	51	13.94	50	17.13	49	20.85	51	19.07	50	17.20	49	11.80	50	22.77	51	21.69	50
NO0002R	zinc	pm10	ng/m3	2.84	97	4.78	75	5.10	100	4.28	100	5.13	100	2.44	100	2.33	100	2.02	100	7.39	100	5.44	100	1.91	100	2.88	100	3.85	98
NO0042G	zinc	aerosol	ng/m3	3.89	29	1.67	29	2.01	26	1.23	20	0.58	13	2.95	27	3.81	35	0.78	32	1.85	37	3.94	19	1.80	27	2.14	68	2.28	30
NO0090R	zinc	aerosol	ng/m3	1.64	26	0.93	29	1.85	19	1.06	27	1.83	19	1.49	23	2.00	32	1.33	26	2.50	30	0.78	23	0.55	27	1.11	19	1.44	25
SE0014R	zinc	aerosol	ng/m3	8.00	97	12.00	96	6.80	87	5.20	98	2.90	96	4.12	93	2.55	87	8.59	94	3.70	94	12.00	97	2.00	96	4.10	91	6.01	94

Table A.2.7: Total depostion and concentrations of POPs in precipitation, 2013

Site	Comp	matrix	unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year	capture
BE0013R	anthracene	precip	ng/L	4.8	2.0	0.4	0.4	0.4	0.4	0.6	1.3	2.8	2.3	1.3	0.8	2.1	100
BE0013R	precipitation_amount	precip	mm'	36.1	16.9	15.3	4.0	4.8	10.0	0.5	7.5	37.3	49.7	33.8	27.9	243.7	100
BE0013R	benz_a_anthracene	precip	ng/L	9.0	3.8	0.8	0.8	0.8	0.9	8.8	13.8	29.5	20.7	3.6	1.6	11.6	100
BE0013R	benzo_a_pyrene	precip	ng/L	11.6	12.3	11.0	10.8	5.2	7.2	24.6	23.3	32.8	23.7	6.6	2.6	15.7	100
BE0013R	benzo_b_fluoranthene	precip	ng/L	38.1	27.6	13.9	13.7	6.4	9.2	35.0	20.2	44.6	32.8	7.9	6.2	25.2	100
BE0013R	benzo_ghi_perylene	precip	ng/L	17.6	14.2	10.2	11.4	7.3	7.1	23.5	26.5	34.4	22.1	5.0	3.7	16.6	100
BE0013R	benzo_k_fluoranthene	precip	ng/L	11.5	9.9	6.2	9.3	4.9	6.5	18.8	15.6	19.4	13.0	3.2	2.0	10.1	100
BE0013R	chrysene	precip	ng/L	32.4	12.1	0.8	0.8	0.8	1.1	27.5	38.2	54.9	37.2	9.6	8.2	25.2	100
BE0013R	dibenzo_ah_anthracene	precip	ng/L	2.8	2.4	1.2	1.3	0.8	0.9	4.1	5.2	5.8	3.9	0.9	0.2	2.7	100
BE0013R	fluoranthene	precip	ng/L	38.6	16.5	4.2	51.5	4.2	4.3	24.7	19.4	74.4	80.3	41.4	11.2	43.6	100
BE0013R	fluorene	precip	ng/L	1.6	1.7	1.7	1.9	7.6	1.7	1.7	1.7	1.7	4.0	5.3	2.5	2.9	100
BE0013R	inden_123cd_pyrene	precip	ng/L	22.7	17.7	10.2	9.2	4.9	5.7	21.7	24.5	29.8	19.4	6.6	4.5	16.5	100
BE0013R	pyrene	precip	ng/L	21.3	9.3	2.5	51.1	2.5	2.6	14.0	29.8	70.2	51.3	13.2	6.8	29.7	100
BE0014R	PCB_101	precip	ng/L	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100
BE0014R	precipitation_amount	precip	mm'	74	41	51	27	54	55	45	74	103	136	83	67	811	100
BE0014R	PCB_118	precip	ng/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	100
BE0014R	PCB_138	precip	ng/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	100
BE0014R	PCB_153	precip	ng/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	100
BE0014R	PCB_180	precip	ng/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	100
BE0014R	PCB_28	precip	ng/L	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	100
BE0014R	PCB_52	precip	ng/L	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	100
BE0014R	aldrin	precip	ng/L	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	100
BE0014R	alpha_HCH	precip	ng/L	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	100
BE0014R	beta_HCH	precip	ng/L	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	100
BE0014R	dieldrin	precip	ng/L	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	100
BE0014R	endrin	precip	ng/L	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	100
BE0014R	gamma_HCH	precip	ng/L	1.23	0.20	0.91	0.97	0.31	1.00	1.00	0.64	0.20	0.65	0.70	0.81	0.69	100
BE0014R	heptachlor	precip	ng/L	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100
BE0014R	op_DDD	precip	ng/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	100
BE0014R	op_DDE	precip	ng/L	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100
BE0014R	op_DDT	precip	ng/L	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	100
BE0014R	pp_DDD	precip	ng/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	100
BE0014R	pp_DDE	precip	ng/L	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	100
BE0014R	pp_DDT	precip	ng/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	100

Table A.2.7: Cont

Site	Comp	matrix	unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year	capture
DE0001R	HCB	precip	ng/L	0.05	0.25	0.32	0.04	0.07	0.02	0.07	0.03	0.03	0.04	0.03	0.03	0.05	100

DE0001R	precipitation_amount	precip	ng/L	35	28	3	27	60	100	24	70	134	116	86	78	762	99
DE0001R	PCB_28	precip	ng/L	0.05	0.46	0.49	0.04	0.07	0.02	0.06	0.05	0.03	0.03	0.04	0.09	0.06	100
DE0001R	PCB_52	precip	ng/L	0.04	0.37	0.10	0.01	0.03	0.01	0.03	0.02	0.01	0.01	0.01	0.04	0.03	100
DE0001R	alpha_HCH	precip	ng/L	0.18	0.15	0.29	0.14	0.15	0.15	0.14	0.12	0.16	0.16	0.14	0.12	0.15	100
DE0001R	benz_a_anthracene	precip	ng/L	1.45	0.70	5.37	7.13	2.35	0.28	0.67	0.46	0.56	0.78	0.77	1.06	1.06	100
DE0001R	benzo_a_pyrene	precip	ng/L	0.86	0.59	4.34	6.49	2.66	0.31	0.53	0.52	0.64	0.59	0.78	0.92	1.01	100
DE0001R	benzo_bjk_fluoranthenes	precip	ng/L	8.74	2.65	29.89	44.37	9.65	0.99	2.57	1.81	3.08	3.35	4.34	4.16	5.26	100
DE0001R	benzo_ghi_perylene	precip	ng/L	2.52	1.01	7.13	10.88	2.60	0.29	0.51	0.53	0.87	0.88	1.28	1.45	1.45	100
DE0001R	chrysene_triphenylene	precip	ng/L	6.62	2.00	17.08	31.17	5.93	0.79	1.98	1.47	2.39	3.33	3.15	3.56	3.95	100
DE0001R	dibenzo_ah_anthracene	precip	ng/L	0.55	0.32	2.00	3.09	0.61	0.09	0.09	0.15	0.23	0.31	0.38	0.45	0.41	100
DE0001R	dieldrin	precip	ng/L	0.05	0.05	0.22	0.02	0.02	0.03	0.04	0.03	0.04	0.09	0.06	0.06	0.05	100
DE0001R	fluoranthene	precip	ng/L	9.42	4.06	13.18	42.93	14.74	3.06	7.12	5.17	6.31	7.73	6.82	8.56	8.34	100
DE0001R	gamma_HCH	precip	ng/L	1.51	1.58	3.58	1.62	1.31	1.49	1.66	1.13	0.94	1.18	0.93	1.26	1.23	100
DE0001R	inden_123cd_pyrene	precip	ng/L	2.79	1.26	8.78	12.49	2.94	0.33	0.64	0.61	1.00	0.93	1.27	1.42	1.60	100
DE0001R	pp_DDE	precip	ng/L	0.01	0.03	0.18	0.04	0.04	0.01	0.02	0.02	0.01	0.02	0.02	0.02	0.02	100
DE0001R	pp_DDT	precip	ng/L	0.04	0.05	0.41	0.13	0.09	0.01	0.03	0.04	0.01	0.01	0.02	0.02	0.03	100
DE0001R	pyrene	precip	ng/L	4.50	2.19	6.36	25.08	10.32	1.74	3.54	2.74	3.20	3.91	3.36	4.37	4.58	100
ES0008R	acenaphthene	precip+dry_dep	ng/m^{2}day	-	-	-	0.09	0.09	0.09	-	-	-	-	-	-	-	25
ES0008R	acenaphthylene	precip+dry_dep	ng/m^{2}day	-	-	-	0.07	0.07	0.07	-	-	-	-	-	-	-	25
ES0008R	anthracene	precip+dry_dep	ng/m^{2}day	-	-	-	0.01	0.01	0.01	-	-	-	-	-	-	-	25
ES0008R	benz_a_anthracene	precip+dry_dep	ng/m^{2}day	-	-	-	0.02	0.02	0.02	-	-	-	-	-	-	-	25
ES0008R	benzo_a_pyrene	precip+dry_dep	ng/m^{2}day	-	-	-	7.81	6.25	6.25	-	-	-	-	-	-	-	25
ES0008R	benzo_bj_fluoranthenes	precip+dry_dep	ng/m^{2}day	-	-	-	0.03	0.03	0.03	-	-	-	-	-	-	-	25
ES0008R	benzo_ghi_perylene	precip+dry_dep	ng/m^{2}day	-	-	-	0.02	0.02	0.02	-	-	-	-	-	-	-	25
ES0008R	benzo_k_fluoranthene	precip+dry_dep	ng/m^{2}day	-	-	-	0.02	0.02	0.02	-	-	-	-	-	-	-	25
ES0008R	chrysene	precip+dry_dep	ng/m^{2}day	-	-	-	0.02	0.02	0.02	-	-	-	-	-	-	-	25
ES0008R	dibenzo_ah_anthracene	precip+dry_dep	ng/m^{2}day	-	-	-	0.02	0.02	0.02	-	-	-	-	-	-	-	25
ES0008R	fluoranthene	precip+dry_dep	ng/m^{2}day	-	-	-	0.03	0.03	0.03	-	-	-	-	-	-	-	25
ES0008R	fluorene	precip+dry_dep	ng/m^{2}day	-	-	-	0.02	0.02	0.02	-	-	-	-	-	-	-	25
ES0008R	inden_123cd_pyrene	precip+dry_dep	ng/m^{2}day	-	-	-	0.02	0.02	0.02	-	-	-	-	-	-	-	25
ES0008R	naphthalene	precip+dry_dep	ng/m^{2}day	-	-	-	0.09	0.09	0.09	-	-	-	-	-	-	-	25
ES0008R	phenanthrene	precip+dry_dep	ng/m^{2}day	-	-	-	96.11	16.11	0.02	-	-	-	-	-	-	-	25
ES0008R	pyrene	precip+dry_dep	ng/m^{2}day	-	-	-	0.04	0.04	0.04	-	-	-	-	-	-	-	25
																-	

Table A.2.7: Cont.

Site	Comp	matrix	unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year	capture
NL0091R	gamma_HCH	precip	ng/L	2.8	0.9	1.7	2.4	2.6	1.6	2.6	3.2	2.8	3.4	6.4	2.1	3.0	100
NL0091R	precipitation_amount	precip	mm'	46	48	48	28	45	47	45	35	44	102	94	95	675	99
NO0001R	HCB	precip	ng/L	0.14	0.15	0.10	0.10	0.10	0.12	0.16	0.06	0.03	0.04	0.07	0.04	0.08	99

NO0001R	precipitation_amount	precip	mm'	74	31	38	98	126	219	20	98	166	145	91	307	1413	88
NO0001R	PCB_101	precip	ng/L	0.01	0.01	0.01	0.01	0.01	0.06	0.10	0.06	0.10	0.09	0.01	0.01	0.04	86
NO0001R	PCB_118	precip	ng/L	0.01	0.01	0.01	0.01	0.01	0.05	0.10	0.05	0.09	0.05	0.00	0.00	0.03	99
NO0001R	PCB_138	precip	ng/L	0.01	0.02	0.00	0.01	0.01	0.11	0.21	0.11	0.22	0.11	0.01	0.01	0.07	98
NO0001R	PCB_153	precip	ng/L	0.01	0.02	0.00	0.01	0.01	0.11	0.22	0.13	0.20	0.10	0.02	0.01	0.07	97
NO0001R	PCB_180	precip	ng/L	0.01	0.01	0.00	0.01	0.00	0.04	0.06	0.04	0.07	0.03	0.01	0.01	0.02	93
NO0001R	PCB_28	precip	ng/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	97
NO0001R	PCB_52	precip	ng/L	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.02	0.00	0.01	86
NO0001R	PCB_99	precip	ng/L	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.01	0.01	0.00	0.00	0.01	99
NO0001R	alpha_HCH	precip	ng/L	0.05	0.06	0.03	0.13	0.18	0.14	0.13	0.06	0.13	0.12	0.12	0.10	0.11	99
NO0001R	gamma_HCH	precip	ng/L	0.08	0.08	0.06	0.55	0.45	0.48	0.32	0.17	0.20	0.30	0.15	0.20	0.29	99
PT0006R	PCB_101	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	PCB_105	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	PCB_128	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	PCB_153	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	PCB_156	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	PCB_170	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	PCB_180	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	PCB_28	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	PCB_31	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	PCB_52	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	acenaphthene	precip	ng/L	-	5.0	5.0	5.0	5.0	-	-	-	5.0	5.0	5.0	-	-	-
PT0006R	acenaphthylene	precip	ng/L	-	5.0	5.0	5.0	5.0	-	-	-	5.0	5.0	5.0	-	-	-
PT0006R	aldrin	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	alpha_HCH	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	alpha_endosulfan	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	anthracene	precip	ng/L	-	5.0	5.0	5.0	5.0	-	-	-	5.0	5.0	5.0	-	-	-
PT0006R	benz_a_anthracene	precip	ng/L	-	5.0	5.0	5.0	5.0	-	-	-	5.0	5.0	5.0	-	-	-
PT0006R	benzo_a_pyrene	precip	ng/L	-	5.0	5.0	5.0	5.0	-	-	-	5.0	5.0	5.0	-	-	-
PT0006R	benzo_b_fluoranthene	precip	ng/L	-	5.0	5.0	5.0	5.0	-	-	-	5.0	5.0	5.0	-	-	-
PT0006R	benzo_ghi_perylene	precip	ng/L	-	5.0	5.0	5.0	5.0	-	-	-	5.0	5.0	5.0	-	-	-
PT0006R	benzo_k_fluoranthene	precip	ng/L	-	5.0	5.0	5.0	5.0	-	-	-	5.0	5.0	5.0	-	-	-
PT0006R	beta_endosulfan	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	chrysene	precip	ng/L	-	5.0	5.0	5.0	5.0	-	-	-	5.0	5.0	5.0	-	-	-
PT0006R	dibenzo_ah_anthracene	precip	ng/L	-	5.0	5.0	5.0	5.0	-	-	-	5.0	5.0	5.0	-	-	-
PT0006R	dieldrin	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-

Table A.2.7: Cont.

Site	Comp	matrix	unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year	capture
PT0006R	endrin	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	fluoranthene	precip	ng/L	-	5.0	7.0	5.1	5.0	-	-	-	5.0	5.0	5.0	-	-	-
PT0006R	fluorene	precip	ng/L	-	5.0	5.0	5.0	5.0	-	-	-	5.0	5.0	5.0	-	-	-

PT0006R	gamma_HCH	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	heptachlor	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	heptachlorepoxide	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	hexachlorobenzene	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	inden_123cd_pyrene	precip	ng/L	-	5.0	5.0	5.0	5.0	-	-	-	5.0	5.0	5.0	-	-	-
PT0006R	naphthalene	precip	ng/L	-	18.0	5.1	10.8	5.0	-	-	-	20.0	18.6	11.0	-	-	-
PT0006R	phenanthrene	precip	ng/L	-	6.0	5.0	5.0	5.0	-	-	-	5.0	5.0	5.0	-	-	-
PT0006R	pp_DDD	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	pp_DDE	precip	ng/L	-	5.0	5.0	5.0	-	-	-	-	5.0	5.0	-	-	-	-
PT0006R	pyrene	precip	ng/L	-	5.0	5.0	5.0	5.0	-	-	-	5.0	5.0	5.0	-	-	-
SE0014R	PCB_101	precip+dry_dep	ng/m^{2}day	0.14	0.08	0.24	0.15	0.14	0.22	0.18	0.22	0.15	0.04	0.05	0.09	0.14	98
SE0014R	PCB_118	precip+dry_dep	ng/m^{2}day	0.11	0.05	0.14	0.07	0.09	0.12	0.06	0.08	0.05	0.02	0.08	0.02	0.07	98
SE0014R	PCB_138	precip+dry_dep	ng/m^{2}day	0.29	0.10	0.25	0.28	0.32	0.38	0.17	0.30	0.25	0.13	0.17	0.16	0.23	98
SE0014R	PCB_153	precip+dry_dep	ng/m^{2}day	0.25	0.10	0.23	0.27	0.33	0.38	0.23	0.34	0.25	0.08	0.18	0.11	0.23	98
SE0014R	PCB_180	precip+dry_dep	ng/m^{2}day	0.16	0.05	0.13	0.20	0.20	0.21	0.09	0.18	0.18	0.06	0.14	0.08	0.14	98
SE0014R	PCB_28	precip+dry_dep	ng/m^{2}day	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	98
SE0014R	PCB_52	precip+dry_dep	ng/m^{2}day	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.01	0.03	98
SE0014R	alpha_HCH	precip+dry_dep	ng/m^{2}day	0.03	0.04	0.02	0.12	0.21	0.20	0.03	0.14	0.13	0.06	0.17	0.11	0.11	98
SE0014R	anthracene	precip+dry_dep	ng/m^{2}day	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	0.00	0.12	1.00	1.00	0.25	98
SE0014R	benz_a_anthracene	precip+dry_dep	ng/m^{2}day	4.00	3.60	1.00	1.96	1.85	1.00	0.91	0.00	0.98	2.00	2.00	4.87	1.97	98
SE0014R	benzo_a_pyrene	precip+dry_dep	ng/m^{2}day	5.00	4.46	1.00	2.92	2.85	2.00	1.01	1.00	1.96	2.00	2.00	6.78	2.69	98
SE0014R	benzo_b_fluoranthene	precip+dry_dep	ng/m^{2}day	9.00	8.46	5.00	5.96	5.69	4.00	2.02	2.00	3.94	5.00	5.00	14.56	5.78	98
SE0014R	benzo_ghi_perylene	precip+dry_dep	ng/m^{2}day	5.06	5.60	3.00	3.90	2.85	2.00	2.09	3.00	3.00	3.00	3.00	9.69	3.79	98
SE0014R	benzo_k_fluoranthene	precip+dry_dep	ng/m^{2}day	4.00	3.60	1.00	1.96	1.85	1.00	1.00	1.00	1.96	2.00	2.00	5.82	2.22	98
SE0014R	chrysene	precip+dry_dep	ng/m^{2}day	7.00	6.60	4.00	9.46	4.85	4.00	3.08	14.00	4.44	5.12	6.00	14.60	6.88	98
SE0014R	fluoranthene	precip+dry_dep	ng/m^{2}day	10.94	10.13	11.00	14.60	10.54	8.00	5.02	5.00	8.00	13.48	17.00	28.47	11.74	98
SE0014R	gamma_HCH	precip+dry_dep	ng/m^{2}day	0.08	0.08	0.06	0.06	0.46	0.77	0.17	0.48	0.18	0.22	0.32	0.23	0.26	98
SE0014R	inden_123cd_pyrene	precip+dry_dep	ng/m^{2}day	6.06	6.33	2.00	3.86	2.85	2.00	1.10	2.00	2.96	3.00	3.00	10.65	3.73	98
SE0014R	phenanthrene	precip+dry_dep	ng/m^{2}day	9.81	8.88	21.00	16.99	14.46	17.00	9.60	15.00	9.30	11.85	18.00	21.82	14.50	98
SE0014R	pp_DDD	precip+dry_dep	ng/m^{2}day	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	98
SE0014R	pp_DDE	precip+dry_dep	ng/m^{2}day	0.06	0.04	0.07	0.09	0.06	0.03	0.03	0.03	0.07	0.06	0.03	0.08	0.05	98
SE0014R	pp_DDT	precip+dry_dep	ng/m^{2}day	0.03	0.03	0.06	0.10	0.09	0.10	0.03	0.03	0.08	0.08	0.08	0.08	0.07	98
SE0014R	pyrene	precip+dry_dep	ng/m^{2}day	10.00	9.60	7.00	9.76	7.69	6.00	4.02	4.00	5.06	9.12	10.00	18.60	8.31	98

Table A.2.8: Concentrations of POPs in air, 2013.

Site	Comp	matrix	unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year	capture
BE0013R	benz_a_anthracene	air+aerosol	ng/m^3	0.177	0.054	0.163	0.109	0.022	0.038	0.008	0.020	0.067	0.075	0.242	0.334	0.103	27
BE0013R	benzo_a_pyrene	air+aerosol	ng/m^3	0.331	0.221	0.151	0.065	0.008	0.013	0.005	0.014	0.050	0.063	0.225	0.280	0.112	27
BE0013R	benzo_ghi_perylene	air+aerosol	ng/m^3	0.223	0.169	0.187	0.069	0.018	0.025	0.015	0.023	0.050	0.069	0.215	0.192	0.099	27
BE0013R	chrysene	air+aerosol	ng/m^3	0.668	0.194	0.240	0.218	0.055	0.067	0.026	0.059	0.127	0.122	0.292	0.368	0.194	27

BE0013R	fluoranthene	air+aerosol	ng/m^3	0.957	0.589	0.624	0.279	0.084	0.141	0.045	0.072	0.110	0.156	0.285	0.385	0.287	27
BE0013R	inden_123cd_pyrene	air+aerosol	ng/m^3	0.624	0.641	0.220	0.129	0.018	0.026	0.009	0.014	0.041	0.078	0.204	0.157	0.170	27
BE0013R	pyrene	air+aerosol	ng/m^3	0.700	0.402	0.374	0.160	0.032	0.017	0.015	0.031	0.057	0.063	0.239	0.388	0.190	27
DE0001R	HCB	air+pm10	pg/m^3	-	-	-	52.000	42.500	18.400	14.300	17.200	17.000	34.100	28.700	43.400	29.744	73
DE0001R	PCB_101	air+pm10	pg/m^3	-	-	-	2.260	3.280	2.830	6.110	5.710	2.100	3.370	2.090	5.300	3.693	73
DE0001R	PCB_118	air+pm10	pg/m^3	-	-	-	0.540	0.790	0.700	1.340	1.440	0.560	0.860	0.520	1.400	0.911	73
DE0001R	PCB_138	air+pm10	pg/m^3	-	-	-	1.000	1.530	1.340	3.210	2.550	0.970	1.390	0.890	1.990	1.661	73
DE0001R	PCB_153	air+pm10	pg/m^3	-	-	-	1.620	2.390	2.150	5.050	3.990	1.530	2.510	1.490	3.830	2.744	73
DE0001R	PCB_180	air+pm10	pg/m^3	-	-	-	0.370	0.440	0.470	1.190	0.810	0.320	0.440	0.270	0.520	0.539	73
DE0001R	PCB_28	air+pm10	pg/m^3	-	-	-	2.740	3.650	2.000	2.170	4.070	1.930	4.560	2.580	4.940	3.195	73
DE0001R	PCB_52	air+pm10	pg/m^3	-	-	-	2.940	4.280	3.130	4.220	6.420	2.330	4.400	2.980	7.120	4.223	73
DE0001R	aldrin	air+pm10	ng/m^3	-	-	-	0.140	0.340	0.120	0.090	0.110	0.070	0.200	0.210	0.370	0.184	73
DE0001R	alpha_HCH	air+pm10	ng/m^3	-	-	-	5.500	11.300	4.400	4.700	6.600	6.700	9.300	5.600	5.800	6.672	73
DE0001R	benz_a_anthracene	air+pm10	ng/m^3	0.167	0.039	0.030	0.023	0.005	0.003	0.009	0.009	0.009	0.043	0.037	0.016	0.033	97
DE0001R	benzo_a_pyrene	air+pm10	ng/m^3	0.179	0.052	0.037	0.033	0.002	0.002	0.010	0.012	0.009	0.054	0.043	0.018	0.038	97
DE0001R	benzo_bj_fluoranthenes	air+pm10	ng/m^3	0.520	0.181	0.149	0.104	0.026	0.004	0.031	0.037	0.028	0.147	0.154	0.082	0.122	97
DE0001R	benzo_bjk_fluoranthenes	air+pm10	ng/m^3	0.693	0.246	0.182	0.135	0.034	0.013	0.041	0.047	0.035	0.188	0.197	0.101	0.159	97
DE0001R	benzo_ghi_perylene	air+pm10	ng/m^3	0.241	0.093	0.080	0.062	0.013	0.003	0.017	0.019	0.017	0.076	0.098	0.043	0.063	97
DE0001R	benzo_k_fluoranthene	air+pm10	ng/m^3	0.173	0.065	0.033	0.032	0.007	0.006	0.010	0.010	0.008	0.041	0.043	0.019	0.037	97
DE0001R	chrysene_triphenylene	air+pm10	ng/m^3	0.152	0.104	0.042	0.066	0.022	0.013	0.026	0.024	0.019	0.088	0.082	0.051	0.057	97
DE0001R	dibenzo_ah_anthracene	air+pm10	ng/m^3	0.026	0.008	0.006	0.007	0.001	0.001	0.002	0.002	0.002	0.008	0.009	0.004	0.006	97
DE0001R	dieldrin	air+pm10	ng/m^3	-	-	-	2.160	6.580	3.420	5.430	6.870	3.160	6.500	2.670	3.960	4.553	73
DE0001R	endrin	air+pm10	ng/m^3	-	-	-	0.090	0.260	0.130	0.140	0.250	0.110	0.140	0.120	0.180	0.159	73
DE0001R	fluoranthene	air+pm10	ng/m^3	1.716	0.801	0.899	0.536	0.294	0.441	1.518	0.458	0.311	0.560	0.492	0.342	0.699	97
DE0001R	gamma_HCH	air+pm10	pg/m^3	-	-	-	11.800	29.400	10.600	17.100	20.400	11.400	16.000	8.200	7.500	14.774	73
DE0001R	heptachlor	air+pm10	ng/m^3	-	-	-	0.070	0.140	0.030	0.030	0.090	0.030	0.240	0.100	0.190	0.103	73
DE0001R	inden_123cd_pyrene	air+pm10	ng/m^3	0.224	0.081	0.070	0.055	0.011	0.002	0.014	0.016	0.014	0.077	0.087	0.039	0.058	97
DE0001R	op_DDD	air+pm10	pg/m^3	-	-	-	0.200	0.800	0.310	0.500	0.620	0.280	0.670	0.300	0.400	0.456	73
DE0001R	op_DDE	air+pm10	pg/m^3	-	-	-	0.200	0.460	0.140	0.190	0.210	0.110	0.450	0.150	0.240	0.240	73

Table A.2.8: Cont.

Site	Comp	matrix	unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year	capture
DE0001R	op_DDT	air+pm10	pg/m^3	-	-	-	0.620	1.720	0.610	0.880	0.950	0.460	1.840	0.320	0.350	0.867	73
DE0001R	pp_DDD	air+pm10	pg/m^3	-	-	-	0.060	0.270	0.090	0.160	0.200	0.080	0.220	0.090	0.110	0.143	73
DE0001R	pp_DDE	air+pm10	pg/m^3	-	-	-	3.510	7.950	1.870	2.170	3.340	1.790	12.500	2.410	3.340	4.349	73
DE0001R	pp_DDT	air+pm10	pg/m^3	-	-	-	0.730	2.090	0.710	1.130	1.180	0.560	2.190	0.380	0.360	1.043	73
DE0001R	pyrene	air+pm10	ng/m^3	0.912	0.464	0.456	0.266	0.122	0.157	0.472	0.190	0.156	0.285	0.293	0.178	0.329	97
ES0008R	acenaphthene	pm10	ng/m^3	0.085	0.085	0.085	0.085	0.114	0.085	0.085	0.085	0.130	0.110	0.085	0.085	0.095	14
ES0008R	acenaphthylene	pm10	ng/m^3	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	14

ES0008R	anthracene	pm10	ng/m^3	0.005	0.005	0.010	0.005	0.028	0.010	0.016	0.012	0.007	0.007	0.005	0.005	0.010	14
ES0008R	benz_a_anthracene	pm10	ng/m^3	0.048	0.102	0.026	0.037	0.015	0.015	0.026	0.021	0.024	0.037	0.015	0.052	0.036	14
ES0008R	benzo_a_pyrene	pm10	ng/m^3	0.043	0.040	0.033	0.020	0.020	0.067	0.126	0.050	0.080	0.036	0.020	0.020	0.046	14
ES0008R	benzo_bj_fluoranthenes	pm10	ng/m^3	0.420	0.432	0.550	0.100	0.304	1.287	0.849	0.392	0.782	0.664	0.063	0.465	0.513	14
ES0008R	benzo_ghi_perylene	pm10	ng/m^3	0.069	0.074	0.073	0.020	0.074	0.307	0.205	0.078	0.205	0.166	0.022	0.088	0.113	14
ES0008R	benzo_k_fluoranthene	pm10	ng/m^3	0.038	0.036	0.053	0.020	0.116	0.310	0.227	0.175	0.308	0.348	0.029	0.175	0.153	14
ES0008R	chrysene	pm10	ng/m^3	0.066	0.198	0.064	0.155	0.166	0.473	0.278	0.191	0.172	0.330	0.078	0.468	0.217	14
ES0008R	dibenzo_ah_anthracene	pm10	ng/m^3	0.015	0.015	0.015	0.015	0.018	0.060	0.024	0.020	0.020	0.045	0.015	0.019	0.023	14
ES0008R	fluorene	pm10	ng/m^3	0.028	0.024	0.020	0.020	0.020	0.020	0.020	0.020	0.026	0.020	0.020	0.020	0.022	14
ES0008R	inden_123cd_pyrene	pm10	ng/m^3	0.093	0.106	0.138	0.032	0.122	0.527	0.259	0.107	0.288	0.272	0.028	0.205	0.176	14
ES0008R	naphthalene	pm10	ng/m^3	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.111	0.085	0.085	0.085	0.085	0.087	14
ES0008R	phe-threne	pm10	ng/m^3	0.039	0.062	0.104	0.028	0.356	0.357	0.251	0.457	0.051	0.015	0.015	0.030	0.136	14
ES0008R	pyrene	pm10	ng/m^3	0.098	0.244	0.071	0.035	0.059	0.277	0.218	0.141	0.082	0.119	0.035	0.183	0.127	14
GB0036R	5-methylchrysene	aerosol	ng/m^3	0.007	0.002	0.003	0.003	0.023	0.023	0.005	0.002	0.002	0.001	0.004	0.003	0.007	100
GB0036R	anthanthrene	aerosol	ng/m^3	0.008	0.019	0.012	0.003	0.008	0.013	0.006	0.003	0.005	0.005	0.009	0.018	0.009	100
GB0036R	benz_a_anthracene	aerosol	ng/m^3	0.276	0.128	0.160	0.081	0.037	0.028	0.034	0.026	0.061	0.041	0.160	0.116	0.096	100
GB0036R	benzo_a_pyrene	aerosol	ng/m^3	0.200	0.126	0.163	0.047	0.031	0.022	0.028	0.017	0.044	0.044	0.106	0.122	0.079	100
GB0036R	benzo_b_fluoranthene	aerosol	ng/m^3	0.476	0.326	0.291	0.188	0.095	0.100	0.079	0.062	0.155	0.114	0.368	0.277	0.210	100
GB0036R	benzo_b_naphtho_21_d_thiophene	aerosol	ng/m^3	0.046	0.022	0.036	0.024	0.008	0.007	0.020	0.009	0.017	0.009	0.019	0.019	0.020	100
GB0036R	benzo_c_phe-threne	aerosol	ng/m^3	0.084	0.038	0.053	0.041	0.023	0.033	0.040	0.027	0.038	0.020	0.050	0.037	0.040	100
GB0036R	benzo_e_pyrene	aerosol	ng/m^3	0.367	0.256	0.243	0.097	0.062	0.055	0.042	0.042	0.099	0.071	0.179	0.192	0.142	100
GB0036R	benzo_ghi_perylene	aerosol	ng/m^3	0.219	0.489	0.207	0.055	0.044	0.030	0.028	0.024	0.052	0.054	0.104	0.143	0.118	100
GB0036R	benzo_j_fluoranthene	aerosol	ng/m^3	0.233	0.119	0.155	0.066	0.029	0.020	0.029	0.029	0.089	0.050	0.107	0.114	0.087	100
GB0036R	benzo_k_fluoranthene	aerosol	ng/m^3	0.180	0.114	0.138	0.082	0.037	0.042	0.043	0.026	0.077	0.053	0.114	0.121	0.085	100
GB0036R	chrysene	aerosol	ng/m^3	0.495	0.275	0.289	0.190	0.062	0.049	0.064	0.054	0.122	0.077	0.211	0.229	0.176	100
GB0036R	coronene	aerosol	ng/m^3	0.086	0.163	0.148	0.013	0.013	0.020	0.012	0.009	0.021	0.022	0.044	0.047	0.049	100
GB0036R	cyclopenta_cd_pyrene	aerosol	ng/m^3	0.016	0.019	0.025	0.003	0.027	0.027	0.005	0.007	0.003	0.005	0.015	0.019	0.014	100
GB0036R	dibenzo_ac_anthracene	aerosol	ng/m^3	0.050	0.032	0.031	0.008	0.012	0.011	0.005	0.005	0.017	0.014	0.038	0.033	0.021	100

Table A.2.8: Cont.

Site	Comp	matrix	unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year	capture
GB0036R	dibenzo_ae_pyrene	aerosol	ng/m^3	0.113	0.037	0.072	0.012	0.018	0.009	0.011	0.024	0.058	0.025	0.060	0.033	0.039	100
GB0036R	dibenzo_ah_anthracene	aerosol	ng/m^3	0.085	0.040	0.063	0.006	0.007	0.003	0.006	0.009	0.017	0.024	0.013	0.025	0.025	100
GB0036R	dibenzo_ah_pyrene	aerosol	ng/m^3	0.012	0.006	0.015	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.015	0.012	100
GB0036R	dibenzo_ai_pyrene	aerosol	ng/m^3	0.026	0.064	0.055	0.010	0.011	0.011	0.019	0.007	0.038	0.021	0.022	0.043	0.027	100
GB0036R	dibenzo_al_pyrene	aerosol	ng/m^3	0.020	0.011	0.026	0.003	0.006	0.005	0.006	0.003	0.010	0.005	0.002	0.004	0.008	100
GB0036R	perylene	aerosol	ng/m^3	0.036	0.016	0.031	0.010	0.007	0.005	0.006	0.005	0.008	0.008	0.024	0.023	0.015	100
GB0036R	1-methylanthracene	air+aerosol	ng/m^3	0.042	0.019	0.010	0.018	0.003	0.002	0.000	0.001	0.003	0.000	0.002	0.005	0.009	100
GB0036R	1-methylnaphthalene	air+aerosol	ng/m^3	0.036	0.009	0.030	0.015	0.099	0.012	0.005	0.030	0.030	0.003	0.030	0.030	0.028	100
GB0036R	1-methylphe-threne	air+aerosol	ng/m^3	0.336	0.155	0.083	0.120	0.062	0.025	0.033	0.028	0.035	0.054	0.058	0.089	0.090	100
GB0036R	2-methylanthracene	air+aerosol	ng/m^3	0.016	0.152	0.152	-0.037	0.152	0.038	0.152	0.152	0.152	0.152	0.010	0.152	0.104	100

GB0036R	2-methylnaphthalene	air+aerosol	ng/m^3	0.055	0.075	0.075	0.084	0.237	0.067	0.017	0.003	0.075	0.007	0.005	0.015	0.059	100
GB0036R	2-methylphe-threne	air+aerosol	ng/m^3	0.518	0.235	0.283	0.260	0.205	0.216	0.067	0.076	0.185	0.196	0.604	0.874	0.311	100
GB0036R	4-5-methylenephe-threne	air+aerosol	ng/m^3	0.327	0.276	0.096	0.083	0.083	0.044	0.041	0.034	0.053	0.055	0.080	0.106	0.106	100
GB0036R	5-methylchrysene	air+aerosol	ng/m^3	0.001	0.003	0.003	0.038	0.005	0.023	0.000	0.008	0.003	0.000	0.004	0.003	0.008	100
GB0036R	9-methylphe-threne	air+aerosol	ng/m^3	0.021	0.012	0.005	0.020	0.002	0.053	0.002	0.002	0.002	0.003	0.003	0.002	0.011	100
GB0036R	acenaphthene	air+aerosol	ng/m^3	0.054	0.042	0.019	0.081	0.117	0.033	0.034	0.008	0.005	0.025	0.012	0.017	0.037	100
GB0036R	acenaphthylene	air+aerosol	ng/m^3	0.088	0.051	0.021	0.017	0.033	0.007	0.011	0.005	0.003	0.008	0.016	0.034	0.024	100
GB0036R	anthanthrene	air+aerosol	ng/m^3	0.050	0.088	0.046	0.023	0.009	0.044	0.006	0.008	0.013	0.008	0.026	0.030	0.029	100
GB0036R	anthracene	air+aerosol	ng/m^3	0.386	0.264	0.064	0.045	0.025	0.033	0.009	0.095	0.007	0.012	0.045	0.072	0.087	100
GB0036R	benz_a_anthracene	air+aerosol	ng/m^3	0.241	0.142	0.065	0.087	0.028	0.246	0.020	0.020	0.041	0.040	0.216	0.160	0.108	100
GB0036R	benzo_a_pyrene	air+aerosol	ng/m^3	0.262	0.210	0.090	0.083	0.034	0.125	0.022	0.027	0.042	0.027	0.125	0.103	0.095	100
GB0036R	benzo_b_fluoranthene	air+aerosol	ng/m^3	0.384	0.305	0.193	0.165	0.084	0.380	0.054	0.050	0.106	0.100	0.525	0.487	0.235	100
GB0036R	benzo_b_naphtho_21_d_thiophene	air+aerosol	ng/m^3	0.045	0.035	0.018	0.045	0.011	0.058	0.015	0.013	0.016	0.012	0.029	0.027	0.027	100
GB0036R	benzo_c_phe-threne	air+aerosol	ng/m^3	0.083	0.058	0.025	0.053	0.022	0.058	0.029	0.017	0.034	0.035	0.051	0.050	0.043	100
GB0036R	benzo_e_pyrene	air+aerosol	ng/m^3	0.324	0.313	0.137	0.120	0.064	0.173	0.030	0.037	0.069	0.050	0.233	0.195	0.144	100
GB0036R	benzo_ghi_perylene	air+aerosol	ng/m^3	0.303	0.693	0.178	0.078	0.044	0.144	0.027	0.027	0.050	0.040	0.178	0.141	0.155	100
GB0036R	benzo_j_fluoranthene	air+aerosol	ng/m^3	0.219	0.165	0.071	0.069	0.030	0.088	0.020	0.032	0.058	0.025	0.094	0.078	0.078	100
GB0036R	benzo_k_fluoranthene	air+aerosol	ng/m^3	0.179	0.136	0.076	0.116	0.036	0.157	0.020	0.030	0.051	0.035	0.164	0.135	0.094	100
GB0036R	biphenyl	air+aerosol	ng/m^3	0.122	0.058	0.019	0.047	0.096	0.009	0.018	0.020	0.020	0.018	0.057	0.092	0.048	100
GB0036R	chrysene	air+aerosol	ng/m^3	0.409	0.285	0.125	0.221	0.062	0.285	0.059	0.068	0.112	0.102	0.294	0.252	0.188	100
GB0036R	coronene	air+aerosol	ng/m^3	0.183	0.599	0.194	0.027	0.010	0.043	0.010	0.011	0.021	0.016	0.068	0.051	0.099	100
GB0036R	cyclopenta_cd_pyrene	air+aerosol	ng/m^3	0.110	0.082	0.032	0.035	0.007	0.047	0.007	0.007	0.005	0.003	0.096	0.074	0.042	100
GB0036R	dibenzo_ac_anthracene	air+aerosol	ng/m^3	0.049	0.037	0.037	0.034	0.011	0.015	0.006	0.007	0.023	0.024	0.059	0.039	0.028	100
GB0036R	dibenzo_ae_pyrene	air+aerosol	ng/m^3	0.109	0.087	0.115	0.040	0.016	0.054	0.012	0.023	0.099	0.000	0.068	0.031	0.054	100
GB0036R	dibenzo_ah_anthracene	air+aerosol	ng/m^3	0.111	0.081	0.028	0.019	0.006	0.014	0.014	0.011	0.018	0.011	0.024	0.013	0.029	100
GB0036R	dibenzo_ah_pyrene	air+aerosol	ng/m^3	0.034	0.035	0.005	0.012	0.005	0.012	0.005	0.015	0.005	0.005	0.010	0.005	0.012	100
GB0036R	dibenzo_ai_pyrene	air+aerosol	ng/m^3	0.098	0.078	0.107	0.011	0.001	0.011	0.017	0.019	0.060	0.001	0.038	0.018	0.038	100

Table A.2.8: Cont.

Site	Comp	matrix	unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year	capture
GB0036R	dibenzo_al_pyrene	air+aerosol	ng/m^3	0.038	0.028	0.031	0.010	0.011	0.038	0.001	0.005	0.014	0.001	0.005	0.005	0.015	100
GB0036R	fluoranthene	air+aerosol	ng/m^3	0.966	0.894	0.601	0.335	0.188	0.328	0.381	0.220	0.379	0.274	0.637	0.658	0.486	100
GB0036R	fluorene	air+aerosol	ng/m^3	0.457	0.242	0.124	0.131	0.377	0.108	0.140	0.057	0.081	0.103	0.129	0.145	0.175	100
GB0036R	inden_123cd_pyrene	air+aerosol	ng/m^3	0.271	0.280	0.182	0.062	0.041	0.219	0.028	0.026	0.065	0.052	0.187	0.148	0.129	100
GB0036R	perylene	air+aerosol	ng/m^3	0.044	0.037	0.017	0.029	0.009	0.031	0.006	0.013	0.010	0.005	0.025	0.019	0.020	100
GB0036R	phe-threne	air+aerosol	ng/m^3	3.018	1.749	1.348	1.566	1.986	0.955	0.711	0.482	1.148	0.871	2.153	2.802	1.566	100
GB0036R	pyrene	air+aerosol	ng/m^3	0.592	1.326	0.342	0.132	0.074	0.150	0.146	0.070	0.173	0.123	0.312	0.309	0.305	100
GB0036R	retene	air+aerosol	ng/m^3	0.399	0.176	0.081	0.185	0.075	0.042	0.007	0.024	0.018	0.038	0.125	0.142	0.109	100
GB0048R	5-methylchrysene	aerosol	ng/m^3	0.007	0.001	0.002	0.002	0.003	0.002	0.008	0.002	0.004	0.003	0.012	0.007	0.004	100
GB0048R	anthanthrene	aerosol	ng/m^3	0.011	0.007	0.012	0.006	0.013	0.004	0.013	0.003	0.003	0.007	0.029	0.006	0.009	100

GB0048R	benz_a_anthracene	aerosol	ng/m^3	0.052	0.055	0.065	0.032	0.016	0.029	0.015	0.008	0.007	0.025	0.268	0.028	0.050	100
GB0048R	benzo_a_pyrene	aerosol	ng/m^3	0.044	0.045	0.061	0.019	0.012	0.020	0.007	0.010	0.010	0.027	0.149	0.029	0.036	100
GB0048R	benzo_b_fluoranthene	aerosol	ng/m^3	0.113	0.145	0.126	0.055	0.044	0.068	0.018	0.023	0.021	0.066	0.439	0.069	0.098	100
GB0048R	benzo_b_naphtho_21_d_thiophene	aerosol	ng/m^3	0.013	0.009	0.015	0.007	0.004	0.012	0.016	0.003	0.003	0.006	0.038	0.005	0.011	100
GB0048R	benzo_c_phe-threne	aerosol	ng/m^3	0.023	0.016	0.020	0.016	0.012	0.034	0.011	0.010	0.006	0.011	0.090	0.011	0.022	100
GB0048R	benzo_e_pyrene	aerosol	ng/m^3	0.077	0.082	0.095	0.034	0.029	0.053	0.016	0.016	0.017	0.039	0.232	0.052	0.061	100
GB0048R	benzo_ghi_perylene	aerosol	ng/m^3	0.057	0.060	0.084	0.027	0.020	0.019	0.010	0.015	0.013	0.036	0.180	0.041	0.047	100
GB0048R	benzo_j_fluoranthene	aerosol	ng/m^3	0.055	0.049	0.064	0.021	0.012	0.028	0.008	0.010	0.013	0.028	0.143	0.030	0.038	100
GB0048R	benzo_k_fluoranthene	aerosol	ng/m^3	0.054	0.051	0.052	0.025	0.016	0.031	0.014	0.010	0.013	0.034	0.181	0.029	0.042	100
GB0048R	chrysene	aerosol	ng/m^3	0.095	0.094	0.106	0.055	0.024	0.042	0.020	0.017	0.019	0.044	0.392	0.049	0.079	100
GB0048R	coronene	aerosol	ng/m^3	0.017	0.020	0.045	0.009	0.004	0.008	0.009	0.006	0.007	0.023	0.066	0.014	0.019	100
GB0048R	cyclopenta_cd_pyrene	aerosol	ng/m^3	0.022	0.009	0.016	0.009	0.003	0.010	0.005	0.002	0.004	0.007	0.070	0.009	0.014	100
GB0048R	dibenzo_ac_anthracene	aerosol	ng/m^3	0.012	0.016	0.017	0.006	0.015	0.006	0.003	0.003	0.003	0.017	0.060	0.010	0.014	100
GB0048R	dibenzo_ae_pyrene	aerosol	ng/m^3	0.012	0.017	0.034	0.013	0.009	0.004	0.007	0.006	0.008	0.035	0.051	0.011	0.017	100
GB0048R	dibenzo_ah_anthracene	aerosol	ng/m^3	0.027	0.018	0.033	0.005	0.014	0.003	0.003	0.006	0.005	0.022	0.059	0.009	0.017	100
GB0048R	dibenzo_ah_pyrene	aerosol	ng/m^3	0.007	0.002	0.012	0.012	0.012	0.012	0.012	0.012	0.011	0.026	0.012	0.012	0.012	100
GB0048R	dibenzo_ai_pyrene	aerosol	ng/m^3	0.008	0.024	0.031	0.012	0.011	0.011	0.010	0.011	0.008	0.030	0.044	0.017	0.018	100
GB0048R	dibenzo_al_pyrene	aerosol	ng/m^3	0.005	0.005	0.014	0.005	0.010	0.005	0.005	0.003	0.003	0.008	0.013	0.002	0.007	100
GB0048R	perylene	aerosol	ng/m^3	0.007	0.007	0.010	0.004	0.004	0.008	0.002	0.003	0.004	0.007	0.032	0.006	0.008	100
GB0048R	1-methylanthracene	air+aerosol	ng/m^3	0.018	0.015	0.009	0.022	0.001	0.016	0.001	0.003	0.003	0.003	0.002	0.003	0.008	100
GB0048R	1-methylnaphthalene	air+aerosol	ng/m^3	0.030	0.008	0.030	0.025	0.056	0.011	0.004	0.011	0.030	0.030	0.030	0.030	0.025	100
GB0048R	1-methylphe-threne	air+aerosol	ng/m^3	0.103	0.106	0.054	0.068	0.045	0.012	0.024	0.025	0.019	0.029	0.041	0.018	0.045	100
GB0048R	2-methylanthracene	air+aerosol	ng/m^3	0.152	0.152	0.152	0.037	0.000	0.014	0.152	0.014	0.152	0.152	0.152	0.152	0.106	100
GB0048R	2-methylnaphthalene	air+aerosol	ng/m^3	0.075	0.000	0.075	0.125	0.142	0.006	0.002	0.020	0.075	0.075	0.075	0.075	0.063	100
GB0048R	2-methylphe-threne	air+aerosol	ng/m^3	0.149	0.155	0.154	0.108	0.118	0.103	0.041	0.039	0.082	0.100	0.413	0.292	0.146	100
GB0048R	4-5-methylenephe-threne	air+aerosol	ng/m^3	0.108	0.107	0.061	0.047	0.054	0.028	0.031	0.026	0.044	0.032	0.053	0.030	0.051	100

Table A.2.8: Cont.

Site	Comp	matrix	unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year	capture
GB0048R	5-methylchrysene	air+aerosol	ng/m^3	0.001	0.001	0.003	0.019	0.002	0.023	0.001	0.020	0.004	0.002	0.000	0.000	0.006	100
GB0048R	9-methylphe-threne	air+aerosol	ng/m^3	0.012	0.008	0.008	0.014	0.002	0.053	0.002	0.000	0.002	0.002	0.000	0.002	0.009	100
GB0048R	acenaphthene	air+aerosol	ng/m^3	0.015	0.030	0.005	0.051	0.065	0.010	0.025	0.005	0.009	0.013	0.008	0.006	0.020	100
GB0048R	acenaphthylene	air+aerosol	ng/m^3	0.018	0.015	0.010	0.024	0.020	0.003	0.008	0.003	0.006	0.007	0.012	0.008	0.011	100
GB0048R	anthanthrene	air+aerosol	ng/m^3	0.017	0.004	0.039	0.017	0.007	0.013	0.005	0.016	0.020	0.006	0.013	0.009	0.014	100
GB0048R	anthracene	air+aerosol	ng/m^3	0.133	0.118	0.036	0.038	0.032	0.018	0.009	0.069	0.042	0.011	0.032	0.015	0.045	100
GB0048R	benz_a_anthracene	air+aerosol	ng/m^3	0.053	0.118	0.041	0.048	0.014	0.065	0.015	0.025	0.018	0.019	0.127	0.033	0.047	100
GB0048R	benzo_a_pyrene	air+aerosol	ng/m^3	0.063	0.072	0.060	0.043	0.017	0.036	0.012	0.019	0.016	0.013	0.053	0.021	0.035	100
GB0048R	benzo_b_fluoranthene	air+aerosol	ng/m^3	0.128	0.210	0.136	0.061	0.042	0.135	0.036	0.033	0.033	0.046	0.276	0.118	0.103	100
GB0048R	benzo_b_naphtho_21_d_thiophene	air+aerosol	ng/m^3	0.013	0.033	0.011	0.024	0.001	0.022	0.012	0.024	0.009	0.006	0.013	0.004	0.014	100
GB0048R	benzo_c_phe-threne	air+aerosol	ng/m^3	0.021	0.052	0.017	0.035	0.011	0.033	0.022	0.016	0.019	0.020	0.042	0.019	0.025	100
GB0048R	benzo_e_pyrene	air+aerosol	ng/m^3	0.097	0.176	0.084	0.060	0.027	0.070	0.022	0.027	0.032	0.021	0.115	0.050	0.064	100

GB0048R	benzo_ghi_perylene	air+aerosol	ng/m^3	0.089	0.100	0.091	0.057	0.023	0.060	0.019	0.019	0.029	0.020	0.086	0.035	0.052	100
GB0048R	benzo_j_fluoranthene	air+aerosol	ng/m^3	0.062	0.112	0.050	0.037	0.015	0.027	0.015	0.026	0.016	0.011	0.045	0.014	0.035	100
GB0048R	benzo_k_fluoranthene	air+aerosol	ng/m^3	0.055	0.093	0.055	0.057	0.019	0.056	0.016	0.030	0.019	0.016	0.083	0.029	0.044	100
GB0048R	biphenyl	air+aerosol	ng/m^3	0.037	0.054	0.020	0.077	0.050	0.009	0.008	0.009	0.020	0.004	0.030	0.016	0.027	100
GB0048R	chrysene	air+aerosol	ng/m^3	0.109	0.247	0.069	0.107	0.025	0.092	0.033	0.048	0.030	0.046	0.139	0.048	0.081	100
GB0048R	coronene	air+aerosol	ng/m^3	0.050	0.069	0.076	0.017	0.009	0.011	0.007	0.014	0.036	0.007	0.027	0.013	0.028	100
GB0048R	cyclopenta_cd_pyrene	air+aerosol	ng/m^3	0.025	0.008	0.026	0.039	0.007	0.027	0.005	0.011	0.007	0.001	0.040	0.014	0.017	100
GB0048R	dibenzo_ac_anthracene	air+aerosol	ng/m^3	0.023	0.023	0.036	0.037	0.001	0.015	0.006	0.015	0.029	0.017	0.027	0.001	0.019	100
GB0048R	dibenzo_ae_pyrene	air+aerosol	ng/m^3	0.038	0.046	0.071	0.028	0.000	0.009	0.009	0.030	0.156	0.008	0.041	0.014	0.037	100
GB0048R	dibenzo_ah_anthracene	air+aerosol	ng/m^3	0.038	0.041	0.049	0.025	0.001	0.014	0.011	0.021	0.013	0.006	0.022	0.001	0.020	100
GB0048R	dibenzo_ah_pyrene	air+aerosol	ng/m^3	0.027	0.005	0.073	0.012	0.005	0.012	0.005	0.012	0.076	0.005	0.005	0.005	0.020	100
GB0048R	dibenzo_ai_pyrene	air+aerosol	ng/m^3	0.031	0.028	0.079	0.011	0.001	0.011	0.001	0.022	0.104	0.001	0.001	0.001	0.024	100
GB0048R	dibenzo_al_pyrene	air+aerosol	ng/m^3	0.011	0.011	0.022	0.010	0.010	0.010	0.001	0.010	0.032	0.001	0.009	0.012	0.011	100
GB0048R	fluoranthene	air+aerosol	ng/m^3	0.274	0.410	0.313	0.149	0.100	0.149	0.224	0.097	0.153	0.169	0.266	0.153	0.203	100
GB0048R	fluorene	air+aerosol	ng/m^3	0.178	0.197	0.046	0.071	0.132	0.032	0.083	0.033	0.065	0.042	0.072	0.032	0.081	100
GB0048R	inden_123cd_pyrene	air+aerosol	ng/m^3	0.098	0.089	0.133	0.043	0.019	0.078	0.020	0.022	0.029	0.028	0.090	0.036	0.057	100
GB0048R	perylene	air+aerosol	ng/m^3	0.010	0.011	0.014	0.025	0.005	0.014	0.004	0.015	0.008	0.002	0.010	0.004	0.010	100
GB0048R	phe-threne	air+aerosol	ng/m^3	0.957	0.935	0.629	0.704	1.027	0.648	0.349	0.264	0.563	0.467	1.292	0.823	0.719	100
GB0048R	pyrene	air+aerosol	ng/m^3	0.150	0.235	0.174	0.081	0.044	0.065	0.103	0.066	0.077	0.083	0.152	0.082	0.109	100
GB0048R	retene	air+aerosol	ng/m^3	0.051	0.087	0.041	0.078	0.067	0.033	0.018	0.018	0.012	0.005	0.085	0.031	0.043	100
NL0009R	benzo_ghi_perylene	aerosol	ng/m^3	0.222	0.121	0.154	0.042	0.012	0.010	0.009	0.015	0.029	0.075	0.091	0.144	0.076	48
NL0009R	chrysene	aerosol	ng/m^3	0.258	0.134	0.213	0.050	0.011	0.010	0.009	0.018	0.028	0.065	0.064	0.126	0.081	48
NL0009R	benz_a_anthracene	pm10	ng/m^3	0.099	0.047	0.076	0.016	0.003	0.003	0.002	0.004	0.008	0.023	0.022	0.047	0.029	48
NL0009R	benzo_a_pyrene	pm10	ng/m^3	0.137	0.066	0.113	0.026	0.005	0.005	0.004	0.008	0.014	0.041	0.042	0.078	0.044	48

Table A.2.8: Cont.

Site	Comp	matrix	unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year	capture
NL0009R	benzo_bjk_fluoranthenes	pm10	ng/m^3	0.574	0.292	0.429	0.105	0.023	0.020	0.025	0.037	0.068	0.160	0.198	0.343	0.187	48
NL0009R	dibenzo_ah_anthracene	pm10	ng/m^3	0.027	0.015	0.019	0.006	0.002	0.002	0.001	0.002	0.003	0.010	0.013	0.024	0.010	48
NL0009R	inden_123cd_pyrene	pm10	ng/m^3	0.283	0.161	0.200	0.047	0.013	0.011	0.011	0.019	0.033	0.088	0.105	0.186	0.096	48
NL0091R	benzo_ghi_perylene	aerosol	ng/m^3	0.276	0.115	0.180	0.073	0.037	0.025	0.025	0.023	0.035	0.076	0.119	0.196	0.098	50
NL0091R	chrysene	aerosol	ng/m^3	0.370	0.141	0.246	0.079	0.042	0.025	0.026	0.026	0.042	0.079	0.099	0.221	0.116	50
NL0091R	benz_a_anthracene	pm10	ng/m^3	0.124	0.043	0.081	0.025	0.015	0.011	0.008	0.008	0.011	0.024	0.033	0.073	0.038	50
NL0091R	benzo_a_pyrene	pm10	ng/m^3	0.160	0.057	0.119	0.034	0.018	0.013	0.010	0.010	0.017	0.037	0.048	0.117	0.053	50
NL0091R	benzo_bjk_fluoranthenes	pm10	ng/m^3	0.765	0.310	0.497	0.176	0.096	0.056	0.066	0.057	0.091	0.183	0.272	0.441	0.251	50
NL0091R	dibenzo_ah_anthracene	pm10	ng/m^3	0.036	0.017	0.022	0.012	0.007	0.004	0.007	0.006	0.005	0.011	0.017	0.022	0.014	50
NL0091R	inden_123cd_pyrene	pm10	ng/m^3	0.320	0.133	0.200	0.074	0.036	0.025	0.030	0.027	0.040	0.074	0.135	0.216	0.109	50
NO0002R	alpha_HCH	air+aerosol	pg/m^3	3.037	2.828	3.366	4.377	7.768	12.200	8.820	6.184	6.273	5.643	4.091	3.138	4.862	12
NO0002R	cis_CD	air+aerosol	pg/m^3	0.316	0.229	0.270	0.390	0.577	0.391	0.679	0.640	0.443	0.452	0.450	0.410	0.437	13
NO0002R	cis_NO	air+aerosol	pg/m^3	0.015	0.011	0.013	0.027	0.052	0.911	0.076	0.072	0.049	0.037	0.034	0.026	0.112	14

NO0002R	gamma_HCH	air+aerosol	pg/m^3	0.912	0.966	0.801	1.403	4.628	5.180	4.890	6.167	3.606	3.388	1.740	1.664	2.634	12
NO0002R	op_DDD	air+aerosol	pg/m^3	0.017	0.015	0.020	0.014	0.038	0.042	0.205	0.040	0.046	0.056	0.023	0.028	0.033	12
NO0002R	op_DDE	air+aerosol	pg/m^3	0.070	0.075	0.060	0.077	0.094	0.116	0.121	0.064	0.132	0.106	0.054	0.085	0.080	12
NO0002R	op_DDT	air+aerosol	pg/m^3	0.102	0.129	0.083	0.205	0.446	0.252	0.347	0.343	1.259	0.376	0.165	0.176	0.301	10
NO0002R	pp_DDD	air+aerosol	pg/m^3	0.010	0.022	0.030	0.110	0.096	0.141	0.158	0.051	0.028	0.078	0.028	0.025	0.060	11
NO0002R	pp_DDE	air+aerosol	pg/m^3	0.655	0.731	0.366	0.716	1.209	1.200	0.695	1.139	3.126	2.294	0.584	1.049	1.099	12
NO0002R	pp_DDT	air+aerosol	pg/m^3	0.097	0.116	0.060	0.116	0.382	0.542	0.619	0.437	0.994	0.434	0.121	0.114	0.280	12
NO0002R	sum_DDT	air+aerosol	pg/m^3	0.967	1.069	0.623	1.223	2.265	1.462	1.415	2.072	5.215	3.343	0.953	1.450	1.741	14
NO0002R	trans_CD	air+aerosol	pg/m^3	0.181	0.149	0.145	0.186	0.252	0.151	0.229	0.189	0.138	0.177	0.262	0.255	0.195	13
NO0002R	trans_NO	air+aerosol	pg/m^3	0.274	0.213	0.241	0.368	0.568	0.516	0.552	0.530	0.375	0.431	0.404	0.406	0.410	13
NO0002R	1-methylnaphthalene	air+aerosol	ng/m^3	0.216	0.137	0.103	0.067	0.049	0.089	0.050	0.049	0.049	0.056	0.060	0.130	0.090	14
NO0002R	1-methylphe-threne	air+aerosol	ng/m^3	0.084	0.067	0.036	0.030	0.089	0.021	0.018	0.028	0.033	0.053	0.043	0.061	0.048	14
NO0002R	2-methylanthracene	air+aerosol	ng/m^3	0.006	0.001	0.001	0.001	0.007	0.002	0.002	0.003	0.003	0.003	0.002	0.003	0.003	14
NO0002R	2-methylnaphthalene	air+aerosol	ng/m^3	0.324	0.211	0.167	0.113	0.080	0.143	0.077	0.076	0.076	0.086	0.092	0.191	0.139	14
NO0002R	2-methylphe-threne	air+aerosol	ng/m^3	0.147	0.077	0.050	0.051	0.104	0.045	0.034	0.038	0.058	0.077	0.045	0.097	0.071	14
NO0002R	3-methylphe-threne	air+aerosol	ng/m^3	0.108	0.056	0.035	0.037	0.073	0.038	0.026	0.033	0.052	0.069	0.038	0.084	0.055	14
NO0002R	9-methylphe-threne	air+aerosol	ng/m^3	0.050	0.032	0.018	0.016	0.041	0.019	0.016	0.017	0.021	0.029	0.018	0.031	0.026	14
NO0002R	BDE_100	air+aerosol	pg/m^3	0.008	0.008	0.008	0.008	0.011	0.009	0.009	0.024	0.007	0.007	0.007	0.012	0.010	28
NO0002R	BDE_119	air+aerosol	pg/m^3	0.002	0.003	0.003	0.004	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.002	28
NO0002R	BDE_138	air+aerosol	pg/m^3	0.010	0.010	0.009	0.016	0.013	0.008	0.006	0.006	0.006	0.006	0.006	0.012	0.009	28
NO0002R	BDE_153	air+aerosol	pg/m^3	0.011	0.011	0.011	0.011	0.013	0.011	0.011	0.011	0.011	0.012	0.012	0.027	0.012	28
NO0002R	BDE_154	air+aerosol	pg/m^3	0.009	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.010	0.011	0.011	0.023	0.011	28
NO0002R	BDE_183	air+aerosol	pg/m^3	0.016	0.013	0.015	0.016	0.020	0.015	0.015	0.013	0.013	0.024	0.028	0.093	0.022	28

Table A.2.8: Cont.

Site	Comp	matrix	unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year	capture
NO0002R	BDE_196	air+aerosol	pg/m^3	0.058	0.058	0.058	0.059	0.060	0.060	0.060	0.060	0.060	0.060	0.066	0.147	0.065	28
NO0002R	BDE_206	air+aerosol	pg/m^3	0.092	0.092	0.091	0.093	0.094	0.094	0.095	0.094	0.094	0.094	0.093	0.231	0.101	27
NO0002R	BDE_209	air+aerosol	pg/m^3	0.593	0.592	0.588	0.599	0.606	0.608	0.611	0.709	0.606	0.604	0.597	1.480	0.662	28
NO0002R	BDE_28	air+aerosol	pg/m^3	0.010	0.006	0.007	0.009	0.014	0.010	0.008	0.017	0.006	0.007	0.006	0.024	0.010	28
NO0002R	BDE_47	air+aerosol	pg/m^3	0.055	0.045	0.050	0.060	0.093	0.093	0.066	0.487	0.052	0.054	0.054	0.166	0.107	28
NO0002R	BDE_49	air+aerosol	pg/m^3	0.005	0.005	0.007	0.007	0.012	0.034	0.008	0.013	0.005	0.006	0.006	0.016	0.010	28
NO0002R	BDE_66	air+aerosol	pg/m^3	0.005	0.005	0.005	0.006	0.007	0.080	0.006	0.008	0.026	0.005	0.005	0.012	0.014	28
NO0002R	BDE_71	air+aerosol	pg/m^3	0.003	0.003	0.003	0.004	0.004	0.056	0.003	0.003	0.024	0.003	0.003	0.004	0.009	28
NO0002R	BDE_77	air+aerosol	pg/m^3	0.002	0.002	0.002	0.003	0.003	0.052	0.001	0.001	0.001	0.001	0.001	0.002	0.006	28
NO0002R	BDE_85	air+aerosol	pg/m^3	0.005	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.005	28
NO0002R	BDE_99	air+aerosol	pg/m^3	0.038	0.037	0.038	0.036	0.043	0.035	0.039	0.085	0.035	0.036	0.037	0.070	0.044	28
NO0002R	HCB	air+aerosol	pg/m^3	76.744	62.033	72.843	55.451	40.302	38.694	29.402	28.679	41.138	60.017	55.261	63.222	51.764	14
NO0002R	PCB_101	air+aerosol	pg/m^3	0.277	0.263	0.260	0.413	0.854	0.665	0.594	0.796	0.563	0.421	0.270	0.286	0.475	14
NO0002R	PCB_105	air+aerosol	pg/m^3	0.020	0.019	0.018	0.032	0.066	0.039	0.039	0.050	0.034	0.024	0.014	0.017	0.031	14
NO0002R	PCB_114	air+aerosol	pg/m^3	0.003	0.003	0.002	0.004	0.007	0.006	0.006	0.004	0.006	0.003	0.003	0.003	0.004	13

NO0002R	PCB_118	air+aerosol	pg/m^3	0.071	0.065	0.064	0.113	0.239	0.151	0.145	0.191	0.134	0.090	0.055	0.065	0.116	14
NO0002R	PCB_122	air+aerosol	pg/m^3	0.003	0.002	0.002	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.003	13
NO0002R	PCB_123	air+aerosol	pg/m^3	0.003	0.003	0.003	0.003	0.004	0.004	0.005	0.003	0.004	0.003	0.003	0.003	0.003	13
NO0002R	PCB_128	air+aerosol	pg/m^3	0.012	0.012	0.011	0.015	0.036	0.027	0.031	0.039	0.028	0.018	0.007	0.011	0.021	14
NO0002R	PCB_138	air+aerosol	pg/m^3	0.079	0.068	0.081	0.119	0.281	0.209	0.226	0.302	0.212	0.142	0.072	0.087	0.157	14
NO0002R	PCB_141	air+aerosol	pg/m^3	0.024	0.021	0.021	0.031	0.080	0.065	0.072	0.092	0.057	0.036	0.020	0.019	0.045	14
NO0002R	PCB_149	air+aerosol	pg/m^3	0.154	0.144	0.144	0.216	0.526	0.470	0.448	0.586	0.354	0.252	0.162	0.163	0.304	14
NO0002R	PCB_153	air+aerosol	pg/m^3	0.146	0.128	0.131	0.202	0.462	0.369	0.371	0.492	0.312	0.226	0.125	0.151	0.261	14
NO0002R	PCB_156	air+aerosol	pg/m^3	0.006	0.005	0.005	0.006	0.013	0.009	0.012	0.014	0.008	0.007	0.003	0.004	0.008	14
NO0002R	PCB_157	air+aerosol	pg/m^3	0.001	0.001	0.001	0.001	0.002	0.002	0.003	0.003	0.002	0.002	0.002	0.001	0.002	13
NO0002R	PCB_167	air+aerosol	pg/m^3	0.003	0.003	0.003	0.004	0.008	0.006	0.007	0.009	0.005	0.004	0.002	0.003	0.005	14
NO0002R	PCB_170	air+aerosol	pg/m^3	0.015	0.009	0.012	0.010	0.026	0.023	0.028	0.033	0.023	0.019	0.006	0.008	0.018	14
NO0002R	PCB_18	air+aerosol	pg/m^3	0.674	1.048	1.016	1.105	1.895	1.228	0.577	0.939	0.908	0.899	0.708	0.692	0.985	14
NO0002R	PCB_180	air+aerosol	pg/m^3	0.039	0.029	0.032	0.036	0.090	0.070	0.082	0.104	0.084	0.060	0.024	0.026	0.056	14
NO0002R	PCB_183	air+aerosol	pg/m^3	0.012	0.010	0.010	0.013	0.034	0.029	0.032	0.042	0.028	0.017	0.008	0.009	0.021	14
NO0002R	PCB_187	air+aerosol	pg/m^3	0.033	0.029	0.033	0.042	0.102	0.088	0.088	0.121	0.087	0.056	0.031	0.037	0.062	14
NO0002R	PCB_189	air+aerosol	pg/m^3	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.002	0.002	0.002	0.002	0.002	14
NO0002R	PCB_194	air+aerosol	pg/m^3	0.005	0.007	0.004	0.003	0.004	0.005	0.007	0.007	0.004	0.006	0.003	0.003	0.005	14
NO0002R	PCB_206	air+aerosol	pg/m^3	0.002	0.005	0.003	0.002	0.003	0.002	0.003	0.003	0.003	0.004	0.002	0.002	0.003	14
NO0002R	PCB_209	air+aerosol	pg/m^3	0.009	0.006	0.006	0.006	0.007	0.006	0.007	0.007	0.006	0.006	0.006	0.006	0.007	14
NO0002R	PCB_28	air+aerosol	pg/m^3	0.661	0.778	0.585	0.908	1.752	0.996	0.594	0.842	0.876	0.754	0.544	0.495	0.820	14
NO0002R	PCB_31	air+aerosol	pg/m^3	0.597	0.707	0.562	0.820	1.510	0.897	0.536	0.777	0.757	0.660	0.485	0.446	0.734	14
NO0002R	PCB_33	air+aerosol	pg/m^3	0.378	0.462	0.348	0.518	0.902	0.503	0.292	0.464	0.488	0.397	0.310	0.259	0.446	14
NO0002R	PCB_37	air+aerosol	pg/m^3	0.065	0.080	0.047	0.080	0.157	0.081	0.064	0.085	0.073	0.066	0.054	0.040	0.075	14
NO0002R	PCB_47	air+aerosol	pg/m^3	0.673	0.340	0.440	0.817	1.867	1.880	2.818	2.082	1.208	2.986	3.694	0.612	1.781	13
NO0002R	PCB_52	air+aerosol	pg/m^3	0.681	0.458	0.539	0.793	1.512	1.095	0.857	1.119	0.913	0.679	0.479	0.539	0.833	13
NO0002R	PCB_66	air+aerosol	pg/m^3	0.206	0.091	0.124	0.227	0.489	0.273	0.214	0.291	0.264	0.170	0.120	0.127	0.224	13
NO0002R	PCB_74	air+aerosol	pg/m^3	0.128	0.060	0.080	0.154	0.310	0.172	0.125	0.172	0.163	0.108	0.074	0.081	0.140	13
NO0002R	PCB_99	air+aerosol	pg/m^3	0.106	0.102	0.106	0.181	0.325	0.212	0.176	0.226	0.179	0.138	0.087	0.120	0.164	14
NO0002R	TBA	air+aerosol	pg/m^3	4.800	5.081	3.485	3.915	3.697	4.706	2.969	3.967	5.392	8.200	6.794	6.596	4.936	28
NO0002R	acenaphthene	air+aerosol	ng/m^3	0.137	0.095	0.102	0.112	0.086	0.597	0.056	0.048	0.057	0.080	0.062	0.458	0.159	14
NO0002R	acenaphthylene	air+aerosol	ng/m^3	0.083	0.086	0.046	0.025	0.046	0.013	0.013	0.012	0.059	0.017	0.012	0.050	0.040	13
NO0002R	anthanthrene	air+aerosol	ng/m^3	0.004	0.002	0.006	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.003	14
NO0002R	anthracene	air+aerosol	ng/m^3	0.022	0.034	0.009	0.005	0.057	0.004	0.003	0.010	0.016	0.007	0.011	0.015	0.016	14
NO0002R	benz_a_anthracene	air+aerosol	ng/m^3	0.076	0.031	0.023	0.007	0.011	0.003	0.002	0.003	0.008	0.009	0.005	0.035	0.018	14
NO0002R	benzo_a_fluoranthene	air+aerosol	ng/m^3	0.014	0.004	0.007	0.002	0.002	0.002	0.001	0.002	0.001	0.002	0.001	0.006	0.004	14
NO0002R	benzo_a_fluorene	air+aerosol	ng/m^3	-	-	-	0.002	-	0.006	0.002	0.003	0.005	0.007	0.005	0.018	0.007	7
NO0002R	benzo_a_pyrene	air+aerosol	ng/m^3	0.052	0.010	0.029	0.008	0.006	0.005	0.003	0.004	0.004	0.007	0.003	0.029	0.014	14
NO0002R	benzo_b_fluoranthene	air+aerosol	ng/m^3	-	-	-	-	-	0.096	0.028	0.018	0.022	0.032	0.011	0.143	0.052	6
NO0002R	benzo_b_fluorene	air+aerosol	ng/m^3	-	0.001	0.001	0.001	0.001	0.002	0.001	0.002	0.004	0.004	0.003	0.011	0.004	10
NO0002R	benzo_bjk_fluoranthenes	air+aerosol	ng/m^3	0.294	0.053	0.123	0.036	0.071	0.070	0.018	0.032	0.036	0.052	0.024	0.218	0.091	14
NO0002R	benzo_e_pyrene	air+aerosol	ng/m^3	0.143	0.020	0.050	0.023	0.056	0.035	0.011	0.011	0.021	0.021	0.007	0.085	0.045	13

NO0002R	benzo_ghi_fluoranthene	air+aerosol	ng/m^3	0.098	0.047	0.049	0.012	0.028	0.022	0.009	0.011	0.014	0.019	0.011	0.074	0.035	13
NO0002R	benzo_ghi_perylene	air+aerosol	ng/m^3	0.061	0.037	0.035	0.009	0.014	0.002	0.002	-	-	-	-	-	0.025	7
NO0002R	benzo_j_fluoranthene	air+aerosol	ng/m^3	-	-	-	-	-	0.016	0.007	0.007	0.007	0.010	0.007	0.039	0.015	6
NO0002R	benzo_k_fluoranthene	air+aerosol	ng/m^3	-	-	-	-	-	0.018	0.007	0.007	0.007	0.010	0.006	0.036	0.014	6
NO0002R	biphenyl	air+aerosol	ng/m^3	1.097	1.011	0.553	0.202	0.093	0.094	0.046	0.041	0.068	0.123	0.139	0.282	0.321	14
NO0002R	chrysene	air+aerosol	ng/m^3	-	-	-	-	-	0.087	0.028	0.019	0.037	0.038	0.020	0.145	0.057	6
NO0002R	chrysene_triphenylene	air+aerosol	ng/m^3	0.260	0.074	0.079	0.042	0.112	0.075	0.022	0.028	0.051	0.050	0.024	0.186	0.087	14
NO0002R	coronene	air+aerosol	ng/m^3	0.035	0.015	0.021	0.003	0.003	0.006	0.003	0.004	0.005	0.009	0.005	0.024	0.012	13
NO0002R	cyclopenta_cd_pyrene	air+aerosol	ng/m^3	0.003	0.003	0.012	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	-	0.004	9
NO0002R	dibenzo_ac_ah_anthracenes	air+aerosol	ng/m^3	0.027	0.006	0.005	0.004	0.006	0.006	0.005	0.007	0.008	0.008	0.007	0.022	0.010	14
NO0002R	dibenzo_ac_anthracene	air+aerosol	ng/m^3	-	-	-	-	-	0.004	0.004	0.004	0.004	0.004	0.004	0.009	0.005	6
NO0002R	dibenzo_ae_pyrene	air+aerosol	ng/m^3	0.003	0.003	0.003	0.003	0.003	0.005	0.003	0.003	0.003	0.004	0.003	0.015	0.004	14
NO0002R	dibenzo_ah_anthracene	air+aerosol	ng/m^3	-	-	-	-	-	0.005	0.004	0.004	0.004	0.004	0.004	0.013	0.006	6
NO0002R	dibenzo_ah_pyrene	air+aerosol	ng/m^3	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	14
NO0002R	dibenzo_ai_pyrene	air+aerosol	ng/m^3	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.003	0.002	0.002	0.003	0.004	0.003	14
NO0002R	dibenzofuran	air+aerosol	ng/m^3	3.228	2.871	1.586	0.690	0.730	0.504	0.245	0.220	0.324	0.513	0.431	0.962	1.052	14
NO0002R	dibenzothiophene	air+aerosol	ng/m^3	0.045	0.011	0.031	0.043	0.081	0.069	0.040	0.024	0.039	0.039	0.016	0.045	0.041	14
NO0002R	fluoranthene	air+aerosol	ng/m^3	0.505	0.292	0.245	0.123	0.214	0.079	0.060	0.079	0.090	0.155	0.092	0.248	0.187	14
NO0002R	fluorene	air+aerosol	ng/m^3	1.940	1.200	0.687	0.345	0.480	0.522	0.222	0.205	0.276	0.452	0.285	0.844	0.643	14
NO0002R	inden_123cd_pyrene	air+aerosol	ng/m^3	0.113	0.058	0.062	0.012	0.016	0.016	0.006	0.009	0.011	0.017	0.009	0.063	0.034	14

Table A.2.8: Cont.

Site	Comp	matrix	unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year	capture
NO0002R	naphthalene	air+aerosol	ng/m^3	0.749	0.616	0.288	0.123	0.107	0.120	0.107	0.106	0.106	0.114	0.121	0.293	0.244	14
NO0002R	perylene	air+aerosol	ng/m^3	0.008	0.012	0.004	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.007	0.004	14
NO0002R	phe-threne	air+aerosol	ng/m^3	1.575	1.318	0.786	0.582	1.162	0.713	0.436	0.643	0.750	1.056	0.581	1.285	0.921	14
NO0002R	pyrene	air+aerosol	ng/m^3	0.286	0.146	0.136	0.059	0.133	0.038	0.030	0.033	0.051	0.077	0.051	0.126	0.100	14
NO0002R	retene	air+aerosol	ng/m^3	0.115	0.063	0.067	0.044	0.160	0.013	0.019	0.016	0.018	0.044	0.041	0.039	0.054	14
NO0002R	triphenylene	air+aerosol	ng/m^3	-	-	-	-	-	0.041	0.009	0.008	0.013	0.012	0.005	0.041	0.018	6
NO0042G	BDE_100	air+aerosol	pg/m^3	0.008	0.026	0.008	0.008	0.254	0.018	0.011	0.019	0.029	0.065	0.009	0.010	0.040	40
NO0042G	BDE_119	air+aerosol	pg/m^3	0.004	0.002	0.008	0.003	0.004	0.001	0.006	0.001	0.002	0.001	0.002	0.001	0.003	41
NO0042G	BDE_138	air+aerosol	pg/m^3	0.015	0.010	0.025	0.011	0.006	0.006	0.006	0.006	0.006	0.006	0.004	0.006	0.008	39
NO0042G	BDE_153	air+aerosol	pg/m^3	0.012	0.010	0.017	0.011	0.010	0.010	0.010	0.010	0.011	0.010	0.008	0.010	0.010	40
NO0042G	BDE_154	air+aerosol	pg/m^3	0.010	0.009	0.010	0.010	0.013	0.009	0.009	0.009	0.010	0.009	0.011	0.009	0.010	40
NO0042G	BDE_183	air+aerosol	pg/m^3	0.013	0.012	0.016	0.014	0.012	0.012	0.012	0.012	0.013	0.012	0.021	0.012	0.013	42
NO0042G	BDE_196	air+aerosol	pg/m^3	0.061	0.056	0.064	0.060	0.055	0.055	0.055	0.055	0.059	0.055	0.045	0.054	0.056	40
NO0042G	BDE_206	air+aerosol	pg/m^3	0.096	0.088	0.096	0.094	0.086	0.087	0.088	0.087	0.093	0.087	0.229	0.085	0.103	40
NO0042G	BDE_209	air+aerosol	pg/m^3	0.617	0.726	0.617	0.606	1.120	0.560	0.565	0.561	0.600	0.884	12.857	0.739	1.907	40
NO0042G	BDE_28	air+aerosol	pg/m^3	0.008	0.021	0.004	0.006	0.231	0.012	0.007	0.013	0.017	0.055	0.010	0.011	0.034	41
NO0042G	BDE_47	air+aerosol	pg/m^3	0.089	1.021	0.045	0.066	0.907	0.510	0.219	0.515	1.282	3.041	0.129	0.496	0.689	42

NO0042G	BDE_49	air+aerosol	pg/m^3	0.005	0.033	0.004	0.005	0.067	0.018	0.006	0.011	0.033	0.082	0.006	0.016	0.024	42
NO0042G	BDE_66	air+aerosol	pg/m^3	0.005	0.016	0.006	0.005	0.231	0.011	0.096	0.006	0.019	0.037	0.004	0.009	0.039	42
NO0042G	BDE_71	air+aerosol	pg/m^3	0.004	0.004	0.004	0.003	0.064	0.003	0.091	0.003	0.004	0.009	0.003	0.003	0.017	41
NO0042G	BDE_77	air+aerosol	pg/m^3	0.003	0.002	0.004	0.002	0.004	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	40
NO0042G	BDE_85	air+aerosol	pg/m^3	0.006	0.005	0.013	0.006	0.008	0.005	0.005	0.005	0.005	0.005	0.004	0.005	0.006	40
NO0042G	BDE_99	air+aerosol	pg/m^3	0.036	0.062	0.036	0.035	0.409	0.038	0.041	0.074	0.099	0.181	0.051	0.040	0.094	40
NO0042G	TBA	air+aerosol	pg/m^3	8.345	5.078	3.733	2.042	3.069	2.977	6.207	9.021	6.950	10.500	10.978	6.534	6.332	42
NO0042G	a_HBCD	air+aerosol	pg/m^3	0.031	0.081	0.026	0.027	0.035	0.037	0.031	0.020	0.027	0.030	0.144	0.041	0.047	38
NO0042G	b_HBCD	air+aerosol	pg/m^3	0.083	0.183	0.065	0.127	0.148	0.147	0.101	0.086	0.082	0.104	0.054	0.089	0.104	38
NO0042G	g_HBCD	air+aerosol	pg/m^3	0.013	0.051	0.012	0.015	0.020	0.023	0.017	0.015	0.014	0.020	0.163	0.012	0.034	38
NO0042G	anthanthrene	air+aerosol	ng/m^3	0.003	0.001	0.001	0.001	0.002	0.004	0.003	0.001	0.001	0.002	0.002	0.002	0.002	30
NO0042G	1-methylnaphthalene	air+aerosol	ng/m^3	0.316	0.234	0.058	0.027	0.062	0.028	0.036	0.033	0.034	0.050	0.197	0.289	0.136	30
NO0042G	1-methylphe-threne	air+aerosol	ng/m^3	0.010	0.003	0.002	0.002	0.003	0.003	0.010	0.004	0.004	0.003	0.002	0.007	0.005	30
NO0042G	2-methylanthracene	air+aerosol	ng/m^3	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	28
NO0042G	2-methylnaphthalene	air+aerosol	ng/m^3	0.412	0.314	0.076	0.045	0.117	0.048	0.065	0.053	0.057	0.080	0.229	0.347	0.178	30
NO0042G	2-methylphe-threne	air+aerosol	ng/m^3	0.015	0.005	0.004	0.002	0.005	0.004	0.018	0.006	0.006	0.004	0.004	0.009	0.007	30
NO0042G	3-methylphe-threne	air+aerosol	ng/m^3	0.010	0.003	0.003	0.002	0.004	0.004	0.019	0.005	0.005	0.004	0.003	0.007	0.006	30
NO0042G	9-methylphe-threne	air+aerosol	ng/m^3	0.007	0.003	0.002	0.002	0.004	0.003	0.012	0.005	0.004	0.003	0.002	0.004	0.004	30
NO0042G	acenaphthene	air+aerosol	ng/m^3	0.010	0.013	0.006	0.006	0.007	0.008	0.010	0.006	0.005	0.006	0.006	0.009	0.008	30

Table A.2.8: Cont.

Site	Comp	matrix	unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year	capture
NO0042G	acenaphthylene	air+aerosol	ng/m^3	0.009	0.007	0.007	0.007	0.007	0.007	0.007	0.009	0.006	0.007	0.010	0.011	0.008	30
NO0042G	anthracene	air+aerosol	ng/m^3	0.002	0.001	0.001	0.001	0.003	0.003	0.008	0.002	0.002	0.003	0.003	0.003	0.003	30
NO0042G	benz_a_anthracene	air+aerosol	ng/m^3	0.012	0.002	0.002	0.001	0.001	0.002	0.002	0.002	0.001	0.001	0.002	0.010	0.004	30
NO0042G	benzo_a_fluoranthene	air+aerosol	ng/m^3	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	30
NO0042G	benzo_a_fluorene	air+aerosol	ng/m^3	-	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	0.002	25
NO0042G	benzo_a_pyrene	air+aerosol	ng/m^3	0.011	0.002	0.003	0.001	0.001	0.002	0.002	0.001	0.002	0.001	0.002	0.008	0.003	30
NO0042G	benzo_b_fluoranthene	air+aerosol	ng/m^3	-	-	-	-	-	0.004	0.004	0.004	0.004	0.004	0.007	0.024	0.012	17
NO0042G	benzo_b_fluorene	air+aerosol	ng/m^3	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.002	0.001	27
NO0042G	benzo_bjk_fluoranthenes	air+aerosol	ng/m^3	0.046	0.007	0.006	0.005	0.004	0.007	0.007	0.009	0.011	0.011	0.014	0.046	0.019	30
NO0042G	benzo_e_pyrene	air+aerosol	ng/m^3	0.021	0.003	0.014	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.004	0.014	0.007	29
NO0042G	benzo_ghi_fluoranthene	air+aerosol	ng/m^3	0.015	0.003	0.004	0.001	0.001	0.002	0.001	0.001	0.001	0.001	-	-	0.003	20
NO0042G	benzo_ghi_perylene	air+aerosol	ng/m^3	0.021	0.005	0.006	0.003	0.004	0.004	0.003	0.003	0.004	0.003	0.004	0.014	0.007	30
NO0042G	benzo_j_fluoranthene	air+aerosol	ng/m^3	-	-	-	-	-	0.004	0.004	0.004	0.003	0.004	0.004	0.010	0.006	17
NO0042G	benzo_k_fluoranthene	air+aerosol	ng/m^3	-	-	-	-	-	0.004	0.004	0.004	0.003	0.004	0.004	0.011	0.006	17
NO0042G	biphenyl	air+aerosol	ng/m^3	1.698	1.326	0.629	0.164	0.041	0.027	0.033	0.025	0.053	0.123	0.708	1.100	0.567	30
NO0042G	chrysene	air+aerosol	ng/m^3	-	-	-	-	-	0.001	0.001	0.001	0.004	0.002	0.007	0.025	0.011	17
NO0042G	chrysene_triphenylene	air+aerosol	ng/m^3	0.041	0.006	0.012	0.003	0.002	0.002	0.002	0.002	0.007	0.003	0.010	0.032	0.013	30
NO0042G	coronene	air+aerosol	ng/m^3	0.010	0.002	0.002	0.002	0.004	0.007	0.005	0.002	0.002	0.002	0.002	0.007	0.004	30
NO0042G	cyclopenta_cd_pyrene	air+aerosol	ng/m^3	0.004	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	26

NO0042G	dibenzo_ac_ah_anthracenes	air+aerosol	ng/m^3	0.003	0.002	0.002	0.002	0.003	0.005	0.005	0.004	0.004	0.004	0.004	0.005	0.004	30
NO0042G	dibenzo_ac_anthracene	air+aerosol	ng/m^3	-	-	-	-	-	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	17
NO0042G	dibenzo_ae_pyrene	air+aerosol	ng/m^3	0.002	0.002	0.002	0.002	0.005	0.008	0.006	0.002	0.002	0.002	0.002	0.003	0.003	30
NO0042G	dibenzo_ah_anthracene	air+aerosol	ng/m^3	-	-	-	-	-	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.002	17
NO0042G	dibenzo_ah_pyrene	air+aerosol	ng/m^3	0.002	0.002	0.002	0.002	0.004	0.005	0.005	0.003	0.002	0.002	0.002	0.002	0.003	30
NO0042G	dibenzo_ai_pyrene	air+aerosol	ng/m^3	0.001	0.001	0.001	0.001	0.008	0.015	0.011	0.002	0.002	0.002	0.002	0.002	0.004	30
NO0042G	dibenzofuran	air+aerosol	ng/m^3	1.883	1.647	0.889	0.336	0.082	0.039	0.043	0.064	0.127	0.170	0.673	1.146	0.687	29
NO0042G	dibenzothiophene	air+aerosol	ng/m^3	0.008	0.017	0.007	0.002	0.003	0.002	0.002	0.002	0.003	0.003	0.007	0.015	0.007	30
NO0042G	fluoranthene	air+aerosol	ng/m^3	0.119	0.034	0.031	0.010	0.008	0.006	0.006	0.007	0.008	0.006	0.015	0.058	0.030	30
NO0042G	fluorene	air+aerosol	ng/m^3	0.783	0.658	0.144	0.034	0.020	0.020	0.026	0.026	0.041	0.054	0.272	0.558	0.262	30
NO0042G	inden_123cd_pyrene	air+aerosol	ng/m^3	0.023	0.005	0.006	0.003	0.003	0.005	0.004	0.003	0.003	0.003	0.004	0.014	0.007	30
NO0042G	naphthalene	air+aerosol	ng/m^3	1.706	1.036	0.406	0.098	0.314	0.247	0.242	0.118	0.168	0.266	1.276	1.898	0.807	30
NO0042G	perylene	air+aerosol	ng/m^3	0.002	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.002	0.002	30
NO0042G	phe-threne	air+aerosol	ng/m^3	0.204	0.091	0.048	0.018	0.027	0.021	0.041	0.030	0.035	0.024	0.033	0.092	0.060	30
NO0042G	pyrene	air+aerosol	ng/m^3	0.069	0.013	0.019	0.008	0.009	0.007	0.008	0.009	0.007	0.008	0.009	0.031	0.018	30
NO0042G	retene	air+aerosol	ng/m^3	0.009	0.004	0.003	0.003	0.004	0.004	0.004	0.004	0.003	0.003	0.004	0.005	0.004	30
NO0042G	triphenylene	air+aerosol	ng/m^3	-	-	-	-	-	0.001	0.001	0.001	0.003	0.001	0.003	0.007	0.004	17
NO0042G	HCB	air+aerosol	pg/m^3	76.417	74.746	78.281	84.361	81.321	87.907	86.710	80.956	75.152	72.300	82.391	81.098	80.717	24

Table A.2.8: Cont.

Site	Comp	matrix	unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year	capture
NO0042G	PCB_101	air+aerosol	pg/m^3	0.364	0.358	0.311	0.256	0.231	0.198	0.245	0.312	0.245	0.243	0.245	0.321	0.285	24
NO0042G	PCB_105	air+aerosol	pg/m^3	0.039	0.039	0.023	0.021	0.013	0.012	0.017	0.020	0.020	0.024	0.018	0.037	0.025	24
NO0042G	PCB_114	air+aerosol	pg/m^3	0.004	0.003	0.002	0.002	0.002	0.001	0.001	0.003	0.003	0.003	0.004	0.004	0.003	24
NO0042G	PCB_118	air+aerosol	pg/m^3	0.130	0.121	0.084	0.071	0.049	0.046	0.059	0.071	0.075	0.074	0.069	0.119	0.084	24
NO0042G	PCB_122	air+aerosol	pg/m^3	0.001	0.002	0.001	0.001	0.002	0.001	0.001	0.002	0.003	0.004	0.004	0.004	0.002	24
NO0042G	PCB_123	air+aerosol	pg/m^3	0.006	0.004	0.005	0.001	0.002	0.002	0.002	0.002	0.003	0.004	0.004	0.006	0.004	23
NO0042G	PCB_128	air+aerosol	pg/m^3	0.016	0.018	0.009	0.009	0.006	0.006	0.009	0.011	0.011	0.009	0.003	0.009	0.010	24
NO0042G	PCB_138	air+aerosol	pg/m^3	0.087	0.100	0.057	0.060	0.053	0.047	0.059	0.072	0.064	0.057	0.050	0.088	0.069	24
NO0042G	PCB_141	air+aerosol	pg/m^3	0.018	0.023	0.016	0.016	0.014	0.014	0.017	0.018	0.009	0.002	0.008	0.016	0.015	23
NO0042G	PCB_149	air+aerosol	pg/m^3	0.132	0.168	0.121	0.119	0.119	0.097	0.140	0.162	0.122	0.103	0.099	0.144	0.131	23
NO0042G	PCB_153	air+aerosol	pg/m^3	0.128	0.156	0.104	0.096	0.087	0.073	0.091	0.115	0.093	0.087	0.080	0.131	0.107	23
NO0042G	PCB_156	air+aerosol	pg/m^3	0.005	0.006	0.003	0.003	0.002	0.002	0.003	0.003	0.003	0.001	0.002	0.004	0.003	23
NO0042G	PCB_157	air+aerosol	pg/m^3	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001	24
NO0042G	PCB_167	air+aerosol	pg/m^3	0.005	0.004	0.001	0.002	0.001	0.001	0.002	0.002	0.002	0.003	0.002	0.002	0.002	22
NO0042G	PCB_170	air+aerosol	pg/m^3	0.007	0.008	0.003	0.004	0.004	0.004	0.005	0.006	0.003	0.002	0.003	0.006	0.005	22
NO0042G	PCB_18	air+aerosol	pg/m^3	1.625	2.122	1.646	1.209	1.396	1.431	1.748	2.900	2.394	1.220	1.690	1.931	1.817	24
NO0042G	PCB_180	air+aerosol	pg/m^3	0.019	0.026	0.013	0.013	0.014	0.013	0.016	0.022	0.013	0.012	0.016	0.016	0.016	23
NO0042G	PCB_183	air+aerosol	pg/m^3	0.007	0.011	0.007	0.006	0.005	0.005	0.007	0.010	0.005	0.002	0.002	0.005	0.006	22
NO0042G	PCB_187	air+aerosol	pg/m^3	0.023	0.037	0.022	0.022	0.018	0.016	0.024	0.031	0.014	0.019	0.016	0.026	0.023	22
NO0042G	PCB_189	air+aerosol	pg/m^3	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.003	0.002	0.002	24

NO0042G	PCB_194	air+aerosol	pg/m^3	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.003	0.003	0.002	23
NO0042G	PCB_206	air+aerosol	pg/m^3	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.003	0.002	0.002	24
NO0042G	PCB_209	air+aerosol	pg/m^3	0.007	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.004	24
NO0042G	PCB_28	air+aerosol	pg/m^3	1.390	1.612	1.512	0.952	1.144	1.091	1.375	2.142	1.664	1.140	1.190	1.347	1.400	24
NO0042G	PCB_31	air+aerosol	pg/m^3	1.324	1.510	1.356	0.927	1.037	1.025	1.276	2.005	1.587	0.984	1.066	1.216	1.297	24
NO0042G	PCB_33	air+aerosol	pg/m^3	0.979	1.112	1.278	0.676	0.876	0.760	0.998	1.535	1.270	0.921	0.889	0.944	1.026	24
NO0042G	PCB_37	air+aerosol	pg/m^3	0.141	0.156	0.300	0.103	0.169	0.112	0.164	0.206	0.153	0.175	0.169	0.151	0.166	24
NO0042G	PCB_47	air+aerosol	pg/m^3	0.358	0.398	0.557	0.287	0.309	0.204	0.248	0.362	0.291	0.364	0.346	0.369	0.343	24
NO0042G	PCB_52	air+aerosol	pg/m^3	0.833	0.883	0.797	0.603	0.579	0.507	0.591	0.818	0.686	0.605	0.665	0.755	0.706	24
NO0042G	PCB_66	air+aerosol	pg/m^3	0.282	0.253	0.284	0.156	0.158	0.107	0.148	0.178	0.152	0.164	0.192	0.210	0.195	24
NO0042G	PCB_74	air+aerosol	pg/m^3	0.168	0.156	0.171	0.107	0.096	0.066	0.088	0.110	0.099	0.110	0.115	0.136	0.121	24
NO0042G	PCB_99	air+aerosol	pg/m^3	0.166	0.164	0.133	0.125	0.074	0.057	0.074	0.099	0.098	0.100	0.104	0.147	0.115	24
NO0042G	alpha_HCH	air+aerosol	pg/m^3	4.078	3.717	4.795	5.118	4.258	4.659	6.660	6.651	6.333	6.877	5.973	4.588	5.323	29
NO0042G	cis_CD	air+aerosol	pg/m^3	0.396	0.368	0.320	0.344	0.409	0.359	0.414	0.443	0.382	0.459	0.387	-	0.389	28
NO0042G	cis_NO	air+aerosol	pg/m^3	0.021	0.022	0.010	0.015	0.049	0.050	0.058	0.069	0.046	0.039	0.017	5.255	0.731	29
NO0042G	gamma_HCH	air+aerosol	pg/m^3	0.754	0.677	0.668	0.702	0.604	0.610	1.039	1.213	0.812	0.770	0.812	0.687	0.789	29

Table A.2.8: Cont.

Site	Comp	matrix	unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year	capture
NO0042G	op_DDE	air+aerosol	pg/m^3	0.113	0.102	0.065	0.041	0.014	0.017	0.017	0.019	0.022	0.031	0.038	0.095	0.052	26
NO0042G	op_DDT	air+aerosol	pg/m^3	0.167	0.165	0.100	0.110	0.037	0.022	0.077	0.062	0.138	0.086	0.113	0.174	0.121	19
NO0042G	pp_DDD	air+aerosol	pg/m^3	0.012	0.031	0.016	0.013	0.008	0.012	0.013	0.008	0.008	0.010	0.014	0.015	0.012	24
NO0042G	pp_DDE	air+aerosol	pg/m^3	0.798	0.713	0.248	0.122	0.066	0.067	0.074	0.118	0.148	0.172	0.374	0.714	0.320	29
NO0042G	pp_DDT	air+aerosol	pg/m^3	0.086	0.084	0.037	0.040	0.015	0.023	0.017	0.050	0.041	0.047	0.053	0.089	0.053	25
NO0042G	trans_CD	air+aerosol	pg/m^3	0.224	0.217	0.170	0.152	0.115	0.091	0.082	0.084	0.069	0.112	0.152	64.587	8.691	29
NO0042G	trans_NO	air+aerosol	pg/m^3	0.345	0.378	0.260	0.313	0.387	0.302	0.321	0.355	0.297	0.357	0.279	95.359	13.708	27
NO0090R	alpha_HCH	air+aerosol	pg/m^3	3.037	3.210	3.607	4.020	3.379	3.801	4.028	3.783	6.050	5.825	4.298	3.374	4.097	38
NO0090R	gamma_HCH	air+aerosol	pg/m^3	0.418	0.910	0.535	0.756	0.892	1.302	1.164	2.124	1.376	1.066	0.588	0.429	0.986	38
NO0090R	op_DDD	air+aerosol	pg/m^3	0.019	0.022	0.009	0.009	0.010	0.021	0.015	0.017	0.032	0.021	0.023	0.023	0.019	39
NO0090R	op_DDE	air+aerosol	pg/m^3	0.095	0.138	0.076	0.056	0.035	0.031	0.020	0.019	0.053	0.044	0.049	0.066	0.056	38
NO0090R	op_DDT	air+aerosol	pg/m^3	0.121	0.200	0.107	0.120	0.102	0.144	0.070	0.141	0.230	0.163	0.150	0.141	0.141	36
NO0090R	pp_DDD	air+aerosol	pg/m^3	0.008	0.009	0.006	0.047	0.052	0.066	0.006	0.011	0.022	0.062	0.011	0.011	0.026	38
NO0090R	pp_DDE	air+aerosol	pg/m^3	0.601	1.149	0.354	0.305	0.190	0.171	0.119	0.148	0.441	0.368	0.409	0.479	0.393	38
NO0090R	pp_DDT	air+aerosol	pg/m^3	0.055	0.117	0.031	0.043	0.053	0.077	0.034	0.069	0.104	0.087	0.081	0.057	0.068	38
NO0090R	sum_DDT	air+aerosol	pg/m^3	0.899	1.634	0.582	0.580	0.440	0.486	0.249	0.375	0.846	0.735	0.724	0.777	0.680	39
NO0090R	BDE_100	air+aerosol	pg/m^3	0.006	0.005	0.005	0.005	0.011	0.020	0.007	0.006	0.011	0.007	0.005	0.005	0.008	37
NO0090R	BDE_119	air+aerosol	pg/m^3	0.001	0.002	0.001	0.001	0.003	0.003	0.002	0.001	0.001	0.002	0.001	0.002	0.002	37
NO0090R	BDE_138	air+aerosol	pg/m^3	0.009	0.011	0.006	0.005	0.011	0.008	0.005	0.004	0.004	0.005	0.004	0.007	0.006	38
NO0090R	BDE_153	air+aerosol	pg/m^3	0.008	0.008	0.008	0.008	0.008	0.011	0.009	0.008	0.008	0.008	0.008	0.008	0.008	38
NO0090R	BDE_154	air+aerosol	pg/m^3	0.007	0.007	0.007	0.007	0.007	0.010	0.008	0.007	0.007	0.007	0.007	0.007	0.007	38
NO0090R	BDE_183	air+aerosol	pg/m^3	0.009	0.012	0.009	0.009	0.010	0.010	0.011	0.009	0.009	0.009	0.009	0.009	0.010	38

NO0090R	BDE_196	air+aerosol	pg/m^3	0.042	0.042	0.041	0.042	0.042	0.073	0.049	0.042	0.042	0.042	0.042	0.049	0.046	38
NO0090R	BDE_206	air+aerosol	pg/m^3	0.066	0.066	0.072	0.066	0.066	0.067	0.077	0.066	0.149	0.066	0.073	0.066	0.076	39
NO0090R	BDE_209	air+aerosol	pg/m^3	0.423	0.424	0.772	0.425	0.450	0.493	0.499	0.433	0.429	0.426	0.719	0.506	0.499	38
NO0090R	BDE_28	air+aerosol	pg/m^3	0.008	0.008	0.007	0.006	0.010	0.011	0.006	0.005	0.008	0.004	0.006	0.006	0.007	38
NO0090R	BDE_47	air+aerosol	pg/m^3	0.047	0.040	0.032	0.040	0.130	0.216	0.067	0.046	0.245	0.062	0.040	0.031	0.082	38
NO0090R	BDE_49	air+aerosol	pg/m^3	0.006	0.005	0.004	0.004	0.006	0.011	0.004	0.004	0.008	0.003	0.003	0.003	0.005	37
NO0090R	BDE_66	air+aerosol	pg/m^3	0.004	0.005	0.003	0.003	0.005	0.007	0.004	0.003	-	0.004	-	0.003	0.004	24
NO0090R	BDE_71	air+aerosol	pg/m^3	0.003	0.003	0.002	0.011	0.003	0.004	0.003	0.002	0.002	0.003	0.002	0.003	0.003	38
NO0090R	BDE_77	air+aerosol	pg/m^3	0.001	0.002	0.001	0.001	0.002	0.003	0.001	0.001	0.001	0.002	0.001	0.001	0.001	38
NO0090R	BDE_85	air+aerosol	pg/m^3	0.004	0.004	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	37
NO0090R	BDE_99	air+aerosol	pg/m^3	0.025	0.025	0.024	0.025	0.077	0.137	0.032	0.025	0.051	0.027	0.025	0.025	0.039	37
NO0090R	TBA	air+aerosol	pg/m^3	3.777	4.668	3.209	3.103	4.653	4.585	19.099	4.370	4.961	6.461	5.964	4.103	6.557	38
NO0090R	HCB	air+aerosol	pg/m^3	25.931	31.707	37.831	33.001	20.033	14.136	18.940	13.554	19.953	36.959	41.553	43.542	27.382	39
NO0090R	PCB_101	air+aerosol	pg/m^3	0.260	0.400	0.240	0.285	0.295	0.232	0.170	0.266	0.265	0.205	0.165	0.209	0.246	39

Table A.2.8: Cont.

Site	Comp	matrix	unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year	capture
NO0090R	PCB_105	air+aerosol	pg/m^3	0.022	0.033	0.018	0.026	0.022	0.014	0.010	0.016	0.026	0.016	0.013	0.019	0.019	37
NO0090R	PCB_114	air+aerosol	pg/m^3	0.002	0.004	0.002	0.003	0.003	0.001	0.002	0.002	0.003	0.002	0.002	0.002	0.002	39
NO0090R	PCB_118	air+aerosol	pg/m^3	0.079	0.115	0.066	0.091	0.081	0.058	0.041	0.059	0.086	0.060	0.047	0.064	0.069	39
NO0090R	PCB_122	air+aerosol	pg/m^3	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.003	0.002	0.002	0.002	0.002	37
NO0090R	PCB_123	air+aerosol	pg/m^3	0.002	0.002	0.001	0.002	0.002	0.001	0.002	0.002	0.005	0.004	0.002	0.003	0.002	34
NO0090R	PCB_128	air+aerosol	pg/m^3	0.011	0.017	0.009	0.013	0.012	0.009	0.007	0.009	0.012	0.006	0.006	0.005	0.010	36
NO0090R	PCB_138	air+aerosol	pg/m^3	0.075	0.119	0.067	0.085	0.086	0.072	0.061	0.094	0.086	0.065	0.054	0.055	0.077	38
NO0090R	PCB_141	air+aerosol	pg/m^3	0.017	0.026	0.016	0.020	0.022	0.020	0.016	0.029	0.017	0.016	0.014	0.008	0.018	39
NO0090R	PCB_149	air+aerosol	pg/m^3	0.135	0.205	0.119	0.150	0.172	0.151	0.124	0.209	0.149	0.120	0.092	0.098	0.143	39
NO0090R	PCB_153	air+aerosol	pg/m^3	0.127	0.193	0.112	0.135	0.138	0.120	0.094	0.157	0.129	0.098	0.081	0.091	0.122	39
NO0090R	PCB_156	air+aerosol	pg/m^3	0.004	0.005	0.003	0.004	0.004	0.004	0.003	0.004	0.003	0.001	0.001	0.001	0.003	36
NO0090R	PCB_157	air+aerosol	pg/m^3	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	38
NO0090R	PCB_167	air+aerosol	pg/m^3	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	38
NO0090R	PCB_170	air+aerosol	pg/m^3	0.006	0.008	0.006	0.007	0.007	0.006	0.008	0.009	0.004	0.004	0.012	0.003	0.007	36
NO0090R	PCB_18	air+aerosol	pg/m^3	0.779	1.146	0.753	0.872	0.602	0.412	0.270	0.305	0.789	0.677	0.638	0.901	0.658	39
NO0090R	PCB_180	air+aerosol	pg/m^3	0.018	0.031	0.020	0.022	0.024	0.020	0.020	0.032	0.021	0.019	0.029	0.016	0.023	37
NO0090R	PCB_183	air+aerosol	pg/m^3	0.008	0.012	0.007	0.009	0.010	0.009	0.008	0.014	0.006	0.006	0.009	0.004	0.009	38
NO0090R	PCB_187	air+aerosol	pg/m^3	0.027	0.048	0.024	0.028	0.030	0.025	0.026	0.043	0.021	0.023	0.024	0.021	0.028	38
NO0090R	PCB_189	air+aerosol	pg/m^3	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	37
NO0090R	PCB_194	air+aerosol	pg/m^3	0.002	0.002	0.003	0.005	0.003	0.001	0.003	0.002	0.002	0.001	0.001	0.001	0.002	36
NO0090R	PCB_206	air+aerosol	pg/m^3	0.002	0.002	0.002	0.003	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	38
NO0090R	PCB_209	air+aerosol	pg/m^3	0.004	0.003	0.007	0.005	0.004	0.002	0.003	0.003	0.002	0.002	0.002	0.002	0.003	36
NO0090R	PCB_28	air+aerosol	pg/m^3	0.559	0.950	0.592	0.631	0.532	0.348	0.231	0.281	0.565	0.392	0.355	0.515	0.482	39
NO0090R	PCB_31	air+aerosol	pg/m^3	0.515	0.885	0.568	0.578	0.494	0.328	0.224	0.268	0.503	0.351	0.324	0.465	0.446	39

NO0090R	PCB_33	air+aerosol	pg/m^3	0.299	0.552	0.353	0.336	0.270	0.171	0.119	0.154	0.307	0.206	0.193	0.296	0.263	39
NO0090R	PCB_37	air+aerosol	pg/m^3	0.047	0.095	0.051	0.041	0.044	0.026	0.023	0.022	0.039	0.024	0.026	0.041	0.039	38
NO0090R	PCB_47	air+aerosol	pg/m^3	0.497	0.595	0.690	0.543	1.585	0.890	1.114	1.037	0.678	0.414	0.421	0.453	0.746	39
NO0090R	PCB_52	air+aerosol	pg/m^3	0.548	0.804	0.525	0.591	0.561	0.407	0.315	0.399	0.505	0.397	0.354	0.457	0.479	39
NO0090R	PCB_66	air+aerosol	pg/m^3	0.143	0.228	0.130	0.159	0.149	0.093	0.071	0.087	0.133	0.087	0.077	0.116	0.120	39
NO0090R	PCB_74	air+aerosol	pg/m^3	0.098	0.157	0.092	0.114	0.100	0.059	0.044	0.057	0.089	0.061	0.054	0.079	0.082	39
NO0090R	PCB_99	air+aerosol	pg/m^3	0.122	0.206	0.118	0.134	0.123	0.082	0.060	0.082	0.121	0.088	0.073	0.097	0.106	39
NO0090R	sum_PCB	air+aerosol	pg/m^3	5.553	8.687	5.761	6.145	6.471	4.317	3.756	4.114	5.212	3.845	3.531	4.707	5.102	38
SE0014R	BDE_209	air+aerosol	pg/m^3	0.200	0.200	0.200	0.200	-	-	0.200	0.200	0.200	0.236	0.500	0.213	0.235	82
SE0014R	PFOA	air+aerosol	pg/m^3	1.387	1.260	1.000	1.587	1.662	0.900	1.261	0.900	1.092	1.112	1.200	2.062	1.282	99
SE0014R	PFOS	air+aerosol	pg/m^3	1.150	1.661	2.700	1.341	0.908	0.400	1.589	-	0.729	1.800	-	2.400	1.462	80
SE0014R	HCB	air+aerosol	pg/m^3	17.000	17.402	20.000	22.642	17.468	9.000	15.129	17.000	14.275	20.968	28.000	28.957	18.964	99

Table A.2.8: Cont.

Site	Comp	matrix	unit	jan	febr	mar	apr	may	june	july	aug	sept	oct	nov	dec	year	capture
SE0014R	PCB_101	air+aerosol	pg/m^3	0.025	0.045	0.172	0.664	0.743	2.390	2.513	2.512	1.915	1.250	0.783	0.869	1.168	99
SE0014R	PCB_118	air+aerosol	pg/m^3	0.025	0.035	0.101	0.267	0.298	1.006	0.982	1.020	0.622	0.445	0.245	0.463	0.463	99
SE0014R	PCB_138	air+aerosol	pg/m^3	0.089	0.080	0.184	0.525	0.528	2.131	1.992	1.752	1.554	1.008	0.459	0.404	0.901	99
SE0014R	PCB_153	air+aerosol	pg/m^3	0.099	0.102	0.215	0.671	0.619	2.679	2.263	2.080	1.810	1.221	0.639	0.641	1.096	99
SE0014R	PCB_180	air+aerosol	pg/m^3	0.065	0.036	0.104	0.182	0.190	0.815	0.634	0.557	0.510	0.353	0.138	0.083	0.309	99
SE0014R	PCB_28	air+aerosol	pg/m^3	0.032	0.088	0.123	0.676	0.508	0.453	1.376	1.765	1.223	1.135	0.849	0.812	0.761	99
SE0014R	PCB_52	air+aerosol	pg/m^3	0.129	0.119	0.251	0.985	0.588	1.515	2.274	2.364	1.874	1.078	1.090	1.274	1.137	99
SE0014R	alpha_HCH	air+aerosol	pg/m^3	0.000	0.000	0.000	2.758	1.000	1.000	4.065	5.000	5.000	4.879	4.000	4.957	2.738	99
SE0014R	anthracene	air+aerosol	ng/m^3	0.011	0.007	0.008	0.007	0.004	0.001	0.001	0.001	0.006	0.010	0.011	0.005	0.006	99
SE0014R	benz_a_anthracene	air+aerosol	ng/m^3	0.002	0.002	0.002	0.001	0.002	0.002	0.003	0.001	0.002	0.002	0.002	0.003	0.002	99
SE0014R	benzo_a_pyrene	air+aerosol	ng/m^3	0.062	0.031	0.079	0.019	0.020	0.018	0.002	0.001	0.007	0.033	0.024	0.035	0.027	99
SE0014R	benzo_b_fluoranthene	air+aerosol	ng/m^3	0.377	0.266	0.133	0.041	0.019	0.010	0.009	0.007	0.026	0.081	0.076	0.078	0.092	99
SE0014R	benzo_ghi_perylene	air+aerosol	ng/m^3	0.138	0.105	0.080	0.022	0.008	0.004	0.005	0.001	0.013	0.038	0.034	0.048	0.041	99
SE0014R	benzo_k_fluoranthene	air+aerosol	ng/m^3	0.106	0.069	0.054	0.016	0.006	0.003	0.002	0.002	0.009	0.027	0.025	0.030	0.029	99
SE0014R	chrysene	air+aerosol	ng/m^3	0.275	0.147	0.059	0.039	0.002	0.002	0.003	0.001	0.002	0.018	0.041	0.007	0.048	99
SE0014R	fluoranthene	air+aerosol	ng/m^3	0.650	0.419	0.280	0.217	0.121	0.070	0.059	0.050	0.103	0.292	0.310	0.291	0.236	99
SE0014R	gamma_HCH	air+aerosol	pg/m^3	0.000	0.000	0.000	1.858	1.153	2.000	3.984	4.000	3.042	2.879	2.000	1.043	1.851	99
SE0014R	inden_123cd_pyrene	air+aerosol	ng/m^3	0.204	0.126	0.092	0.029	0.014	0.005	0.009	0.002	0.006	0.044	0.045	0.056	0.052	99
SE0014R	phe-threne	air+aerosol	ng/m^3	0.621	0.358	0.410	0.569	0.479	0.310	0.331	0.240	0.353	0.682	0.840	0.696	0.490	99
SE0014R	pp_DDD	air+aerosol	pg/m^3	0.055	0.121	0.320	0.498	0.145	0.230	0.246	0.100	0.262	0.591	0.380	0.323	0.274	99
SE0014R	pp_DDE	air+aerosol	pg/m^3	0.089	0.089	0.150	1.737	0.697	0.900	0.669	1.050	1.714	3.755	1.390	1.476	1.151	99
SE0014R	pp_DDT	air+aerosol	pg/m^3	0.116	0.090	0.090	0.482	0.490	0.490	0.860	0.590	0.954	1.598	0.710	0.643	0.598	99
SE0014R	pyrene	air+aerosol	ng/m^3	0.371	0.236	0.210	0.147	0.055	0.030	0.030	0.030	0.072	0.201	0.210	0.181	0.147	99
SE0014R	BDE_100	air+aerosol	pg/m^3	0.010	0.014	0.042	0.011	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.013	99
SE0014R	BDE_47	air+aerosol	pg/m^3	0.104	0.145	0.215	0.103	0.092	0.090	0.022	0.143	0.089	0.087	0.105	0.084	0.107	99

SE0014R	BDE_99	air+aerosol	pg/m^3	0.132	0.121	0.201	0.020	0.041	0.041	0.015	0.061	0.044	0.061	0.095	0.075	0.075	99

Annex 3

Methods in field and laboratory

Table A.3.1: Measurements methods for POPs.

Country	Precipitation		Air and aerosols		Laboratory method
	Sampling method	**Frequency**	**Sampling method**	**Frequency**	
Belgium	wet only	Monthly	High Vol, Digitel, 1296 m3/day	24h, once every 4 days	UPLC with Fluorescence detection (PAHs). Dual column GC-ECD (PCBs)
Germany	wet only	Monthly	High vol (filter + PU foam)	monthly	GC-MS
Spain	Bulk (precip + dry dep)	52 days	PM10, High vol	24h, once every 8 days	GC-MS
Great Britain			High Vol. Whatman GF filter + 2 PUR foams.5m3/h	biweekly sampling, 3 monthly analysis	GC-MS
Iceland	bulk, (Steel funnel 1m2/PUF foam)	Biweekly	PUF-foam 1000m^3/15days	Biweekly	GC-MS
Netherlands	bulk	4 weekly	PM10 LVS, Whatman quartz filter	Sampled every other day, analysis is pooled 3 samples in winter, 5 in summer time	GC-MS
Norway	bulk, funnel and bottle of glass	Weekly	High Vol.Gelman AE filter + 2 PUR foams. 20m3/h	NO01: 24h a week NO42: 48h a week	GC-MS
Portugal	wet only	2 week sampling			GC-HRMS,HPLC, GC-ECD
Sweden	Bulk (precip + dry dep)	monthly	High vol (filter + PU foam)	weekly sampling, monthly analyses	HPLC, GC-ECD

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

Table A.3.2: Measurements methods for Heavy metals.

Country	Precipitation		Air and aerosols		Laboratory method
	Field method	**Frequency**	**Field method**	**Frequency**	
Belgium	wet only	weekly	Low volume sampler	daily	ICP-MS
Hg	wet only	weekly	Mercury Ultratracer UT 3000 (monitor)	continously	CV-AFS (precipitation)
Germany	wet only	Weekly	Low volume sampler	weekly	ICP-MS
Hg	wet only	Weekly	TGM : monitor (Tekran)	daily (reported)	
Denmark	Bulk	Monthly	Low volume sampler, Millipore RAWP 1.2 µm, 58 m^3/day	daily	GF-AAS
Hg			TGM: monitor (Tekran)	continously	
Spain	wet only	Weekly	High-vol, PM10	24h a week	ICP-MS (aerosol) GF-AAS for precip
Hg			TGM: monitor (Tekran)	hourly	
France	Bulk	Monthly			GF-AAS
Great Britain	Bulk	GB06,17: monthly GB13,91: weekly	PM10, low volume sampler	weekly	ICP-MS
Ireland	Bulk	Monthly	TGM: monitor (Tekran)	continously	ICP-MS
Iceland	Bulk	Weekly	High vol.	Biweekly	ICP-MS
Hg			High vol.	Biweekly	CV-AAS
Netherlands	Wet-only	weekly	Low volume sampler	24h every 2 days	ICP-MS
Hg	Wet-only	Weekly			CV-AFS
Norway	Bulk	Weekly	NO42: High Vol, 20 l/h, W41	48h a week	ICP-MS
			NO01: PM10 KFG 2,3 l/h, quartz	Weekly	
Hg	Bulk (Hg)	Monthly	TGM: monitor (Tekran)	continously	CV-AFS
Portugal	wet only	Biweekly			ICP-MS;CV-AFS (Hg)
Sweden	Bulk	Monthly	Low volume sampler, teflon filter	monthly	ICP-MS
Hg	Bulk (Hg)	Monthly	Hg: gold traps (TGM)	2 X 24 h a week	CV-AFS
			Hg: mini traps (TPM)	1 X 24 h a week	CV-AFS

GF-AAS: Graphic Furnace Atomic Absorption Spectroscopy
F-AAS: Furnace Atomic Absorption Spectroscopy
ICP-MS: Inductively Coupled Plasma - Mass Spectrometry
CV-AFS: Cold Vapour Atomic Fluorescence Spectroscopy

Table A.3.3: Measurement methods for nitrogen species.

Country	Precipitation		Air and aerosols		Laboratory method
	Field method	Frequency	Field methods	Frequency	
Belgium	wet only	biweekly	NO2: Chemiluminisence monitor NH3: passive sampler	half hourly biweekly	prec + NH3: IC
Germany	wet only	weekly	NO2: NaI imp. Glass filters, 0.7m3/day NH3: low-cost-denuder $NH4^+$: filterpack, teflon filter $NH4^+$: LVS, PM2.5, quartz filter $NO3^-$: filterpack, teflon filter $NO3^-$: LVS, PM2.5, quartz filter	daily weekly daily every 3rd day daily every 3rd day	NO2: FIA NH3: FIA $NH4^+$: IC $NO3^-$: IC
Denmark	wet only	biweekly	Monitor. Chemiluminisence sumNO3: Millipore RAWP, 1.2 ?m + KOH-impregnated Whatman 41, 58 m^3/day (filterpack) sumNH4. Millipore RAWP, 1.2 ?m + Oxalic acid impregnated Whatman 41, 58 m^3/day (filterpack)	hourly daily daily	 NO3: IC NH4: Spect. (CFA)
Spain	wet onlt	daily	NO2: Chemiluminescence monitor sumNO3: NaOH impregnated Whatman 40 filter, 35 m^3/day sumNH4: Oxalic acid impregnated Whatman 40 filter, 35 m^3/day	Hourly Daily	 NH4: AAS NO3: IC
France	bulk	monthly			IC
Great Britain	bulk	biweekly	NO2: Chemiluminescence monitor sumNo3 and NH4: Delta sampler (low volume denuder and filter pack)		 IC
Ireland	bulk	daily			IC
Iceland	bulk	daily			IC
Netherlands	wet only	NL09: daily NL91: biweekly	NO2: Chemiluminescence monitor NH3: Absorption in $NaHSO_4$, membrane separation NO3 and NH4: Whatman QMA filter 47 mm, 55.2 m^3/day	hourly daily	 NH3: conductivity NO3: IC, NH4: CFA
Norway	bulk	NO01: daily weekly	NO2: NaI imp. Glass filters, 0.7m3/day sumNO3. Teflon filter+ KOH-impregnated Whatman 40 filter, 25 m^3/day (Filterpack) sumNH4: Teflon filter + Oxalic acid-impregnated Whatman 40 filter, 25 m^3/day (Filterpack)	daily daily	NO2: Spect., Griess method NH4,NO3: IC
Portugal	wet only	biweekly			
Sweden	wet only	daily	NO2: NaI-impregnated glass sinters, ~0.7 m3/day Sum NO3: Mitex membrane + KOH-impregnated Whatman 40 filter, 20 m3/day (filterpack) sum NH4; Mitex membrane + Oxalic acid impregnated Whatman 40 filter, 20 m3/day (filterpack(	daily daily daily	Spectr. FIA IC Spectr. FIA

IC: ion chromatograph
CFA: continuous flow analysis
FIA. Flow injection analyisis

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