OSPAR COMMISSION

Monitoring and Assessment Series

Comprehensive Atmospheric Monitoring Programme

Deposition of air pollutants around the North Sea and the North-East Atlantic in 2017

Photo by NILU. Andøya observatory, Norway

2019

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.

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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 2017. 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 2017.

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 except Portugal, reported data for 2017. For most Parties some elements are missing to 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 with a few sites, which may be more influenced by local or nearby sources.

Time trends show decrease in nitrogen, heavy metals and regulated POPs in accordance with the general emission reductions achieved in Europe the last decades.

Récapitulatif

Le présent rapport comporte les résultats de la surveillance réalisée par les Parties contractantes OSPAR dans le cadre du Programme exhaustif de surveillance continue de l'atmosphère (CAMP) en 2017. Dans le cadre du CAMP les Parties contractantes OSPAR s'engagent à surveiller, à titre obligatoire, les concentrations d'une série de métaux, de composés organiques et de nutriments dans les précipitations et dans l'atmosphère. Le CAMP encourage également les Parties contractantes à surveiller, à titre volontaire, des composés supplémentaires (tels que certains polluants organiques persistants). Ce rapport contient des informations détaillées sur les apports atmosphériques relevés de contaminants sélectionnés dans la zone maritime OSPAR et ses régions en 2017.

La Région II OSPAR (mer du Nord au sens large) demeure la sous-région faisant l'objet d'observations les plus intenses alors que la mer d'Irlande (Région III), le golfe de Gascogne (Région IV) et l'extrême Nord-Est (Région I) sont les zones côtières sous-régionales les moins bien représentées.

Toutes les Parties contractantes, à l'exception du Portugal, ont notifié leurs données pour 2017. Pour la plupart des Parties contractantes il manque certains éléments pour pouvoir respecter complètement les exigences de la surveillance déterminées par le CAMP.

La répartition régionale de divers polluants révèle dans l'ensemble des niveaux élevés à proximité des principales zones de source bien que certains sites présentent une certaine variabilité qui pourrait être plus influencée par les sources locales ou proches.

Les tendances temporelles de l'azote, des métaux lourds et des POP réglementés révèlent des diminutions conformément aux réductions des émissions générales obtenues en Europe au cours des dix dernières années.

Deposition of air pollutants around the North Sea and North-East Atlantic in 2017

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 forming 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, but there are exceptions to improve the spatial coverage of the programme.

Table 1.1: *Components to be measured under CAMP*

	Mandatory	Voluntary
Precipitation	Cd, Pb, Hg, Ni NH_4^+, NO_3^- *(For quality control: pH, Na^+, K^+, Ca^{2+}, Mg^{2+}, SO_4^{2-}, Cl^-)*	As, Cr, Cu, Zn PAHs
Airborne	NO_2, HNO_3, NH_3, NH_4^+, NO_3^- (a) Cd, Pb, Ni	$Hg_{(g)}$ PCBs

a) total ammonium (NH_3 + NH_4^+) and total nitrate (HNO_3 +NO_3^-) are alternatives

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 Principle, 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 2017*" 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 2017 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.

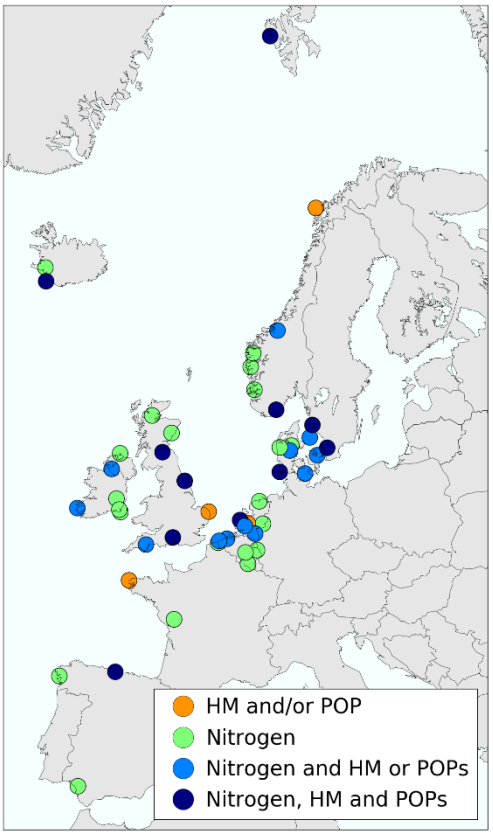
2 The OSPAR CAMP Monitoring Programme

2.1 Geographical coverage and completeness

Table 2.1 and Figure 2.1 illustrate what has been reported to CAMP for the year 2017, 48 sites from 11 countries. Their coordinates are given in the Annex, Table A.1.1. Dark green colour in the table indicates that the component measured is part of the mandatory or 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 POPs are measured, but not PAH or PCBs in precipitation and air, respectively. The map shows the regional distribution of sites and the colour code indicates the level of completeness at the individual site. It is recommended to have as complete monitoring programme as possible to better assess the pollution level and to study what is 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).

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 2017.*

region	Site	Name	In precipitation NO_3^-	NH_4^+	HM	Hg	POP	In air NO_2	Nox	Nred	HM	Hg(g)	POP
I	IS0002R	Irafoss											
	IS0091R	Storhofdi											
	NO0039R	Kårvatn											
	NO0090R	Andøya											
	NO0042G	Zeppelin											
II	BE0001R	Offagne											
	BE0011R	Moerkerke											
	BE0013R	Houtem											
	BE0014R	Koksijde											
	BE0032R	Eupen											
	BE0035R	Vezin											
	DE0001R	Westerland											
	DK0003R	Tange											
	DK0005R	Keldsnor											
	DK0008R	Anholt											
	DK0012R	Risø											
	DK0022R	Sepstrup Sande											
	DK0031R	Ulborg											
	GB0013R	Yarner Wood											
	GB0014R	High Muffles											
	GB0015R	Strath Vaich Dam											
	GB0017R	Heigham Holmes											
	GB0048R	Auchencorth Moss											
	GB0054R	Glen Saugh											
	GB1055R	Chilbolton Observatory											
	NL0007R	Eibergen											
	NL0008R	Bilthoven											
	NL0009R	Kollumerwaard											
	NL0010R	Vredepeel											
	NL0091R	De Zilk											
	NL0644R	Cabauw Wielsekade											
	NO0001R	Birkenes											
	NO0554R	Haukeland											
	NO0572R	Vikedal											
	NO0655R	Nausta											
	SE0014R	Råö											
	SE0020R	Hallahus											
III	GB0006R	Lough Navar											
	FR0090R	Porspoder											
	IE0001R	Valentia Observatory											
	IE0005R	Oak Park											
	IE0006R	Malin Head											
	IE0008R	Carnsore Point											
	IE0009R	Johnstown Castle											
IV	FR0015R	La Tardière											
	ES0005R	Noia											
	ES0008R	Niembro											
	ES0017R	Doñana											



For 2017, additional sites have been added to the CAMP program compared to earlier years. In Ireland, Netherlands, Sweden and France there are several sites in the EMEP program, which are relatively close to the oceans and are relevant also for CAMP. These have now been added to the CAMP program. A new site in UK (Chilbolton Observatory) has been established and is included in the CAMP program.

It is mandatory for all the Parties to OSPAR to monitor in accordance to the CAMP programme at minimum one site as described in the introduction. Sweden is the only country with full compliance of both the mandatory and voluntary program, Table 2.2. Portugal has not reported any data for 2017

Mandatory program												
	In precipitation						In air					
Site	NO_3^-	NH_4^+	Cd	Pb	Ni	Hg	NO_2	Nox	Nred	Cd	Pb	Ni
Iceland						n/a	n/a		n/a			
Norway												
Belgium								n/a	n/a			
Germany												
Denmark						n/a						
France				n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a
UK												
Netherlands												
Sweden												
Ireland										n/a	n/a	n/a
Spain												
Portugal	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Voluntary program							
	In precipitation					In air	
PAH	As	Cr	Cu	Zn	PCB	Hg	
				n/a			
						n/a	
						n/a	
n/a				n/a	n/a	n/a	
n/a					n/a	n/a	
n/a							
						n/a	
n/a		n/a	n/a	n/a	n/a	n/a	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Table 2.2: *Compliance with the monitoring obligations to CAMP. Dark green indicates compliance while light green indicates missing variable for N in air and different POPs under the voluntary program.*

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 EMEP programme and the monitoring obligations in EMEP is more extensive (UNECE, 2009). All the components reported by Contracting Parties are uploaded in the database and are accessible from http://ebas.nilu.no/.

3 Observed concentrations in 2017

This section describes the observed concentrations at coastal stations around the North-East Atlantic in 2017. 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 to the defined EMEP procedures. To address the total load of pollutants, it is necessary to look at the deposition, and 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 matter, and it is beyond the aim 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 Spain, UK or Denmark. One should notice that the detection limit for some elements from some countries are higher than the ambient concentration and these data should be looked upon as an upper concentration level. Detection limits are found in Annex 4. The regional distribution in air and precipitation is not comparable for all elements. 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, where the highest concentrations seems to be in Northern Europe, though there are relatively few sites to compare. The reason why the spatial pattern of especially mercury air concentrations may differ from the primary emission pattern is that 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 Annex 2.

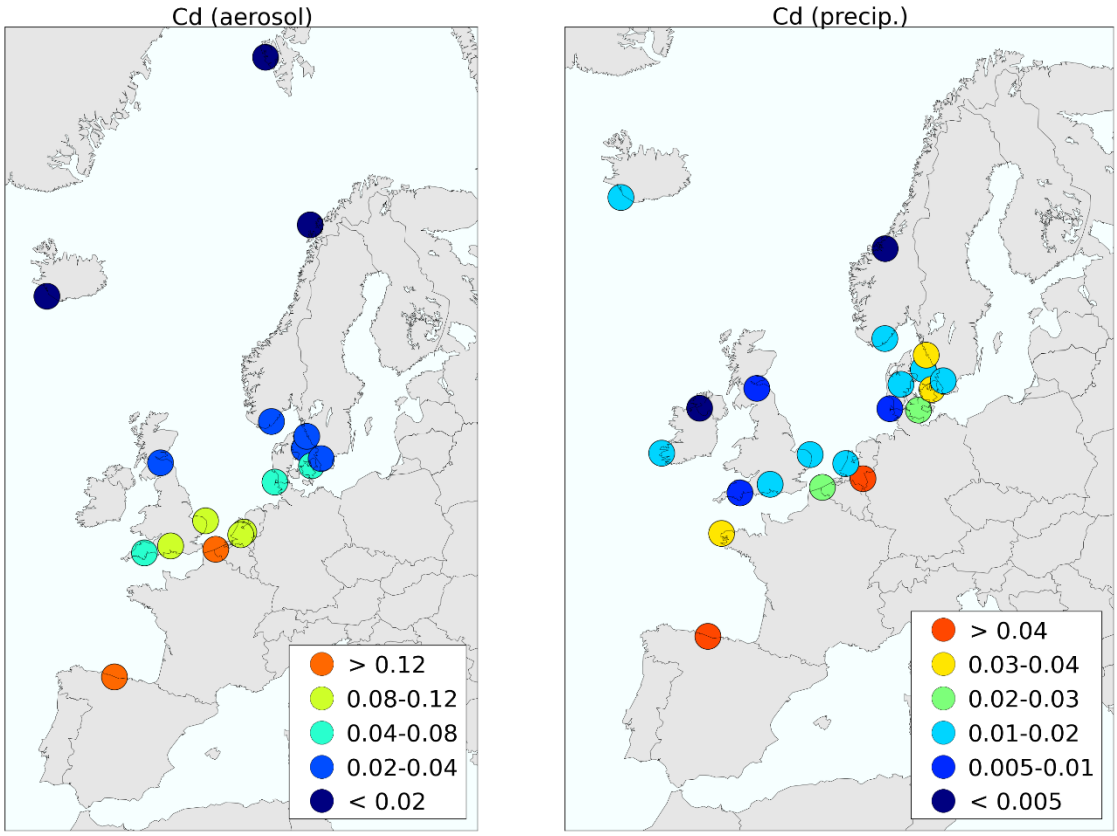


Figure 3.1: *Annual concentrations of cadmium in air (ng/m^3) and precipitation (µg/L), 2017.*

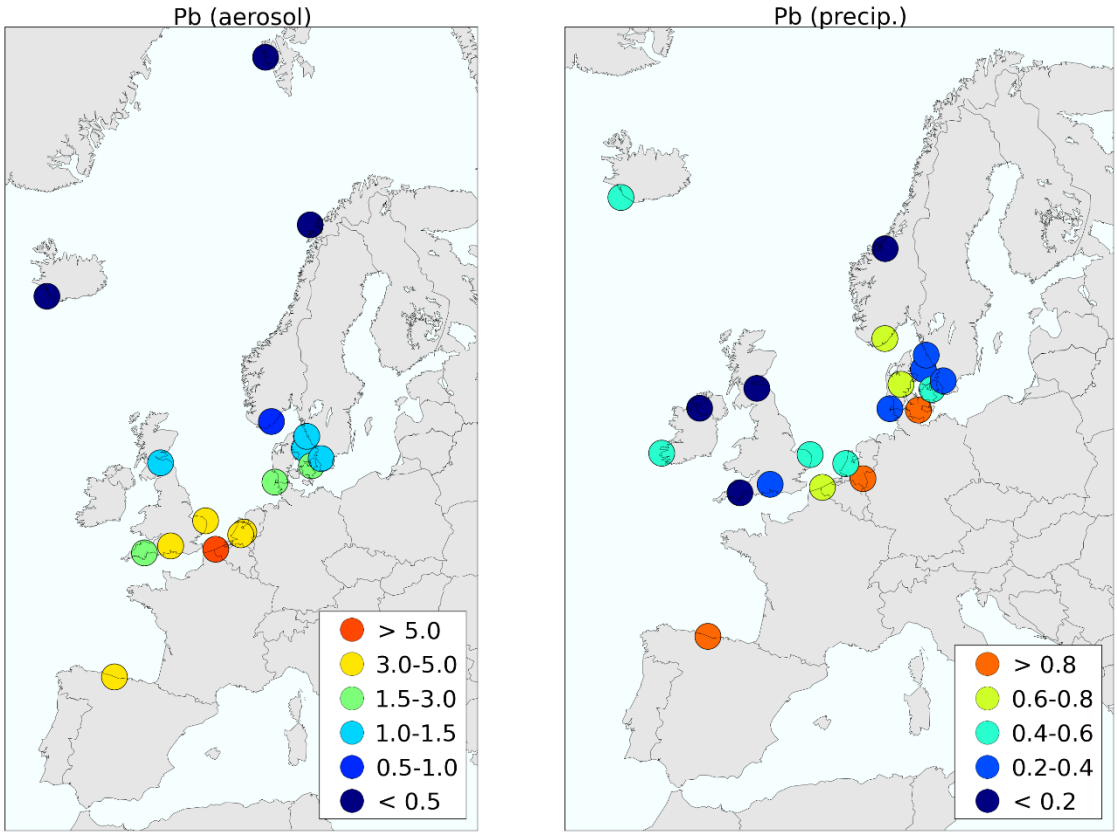


Figure 3.2*: Annual concentrations of lead in air (ng/m^3) and precipitation (µg/L), 2017*

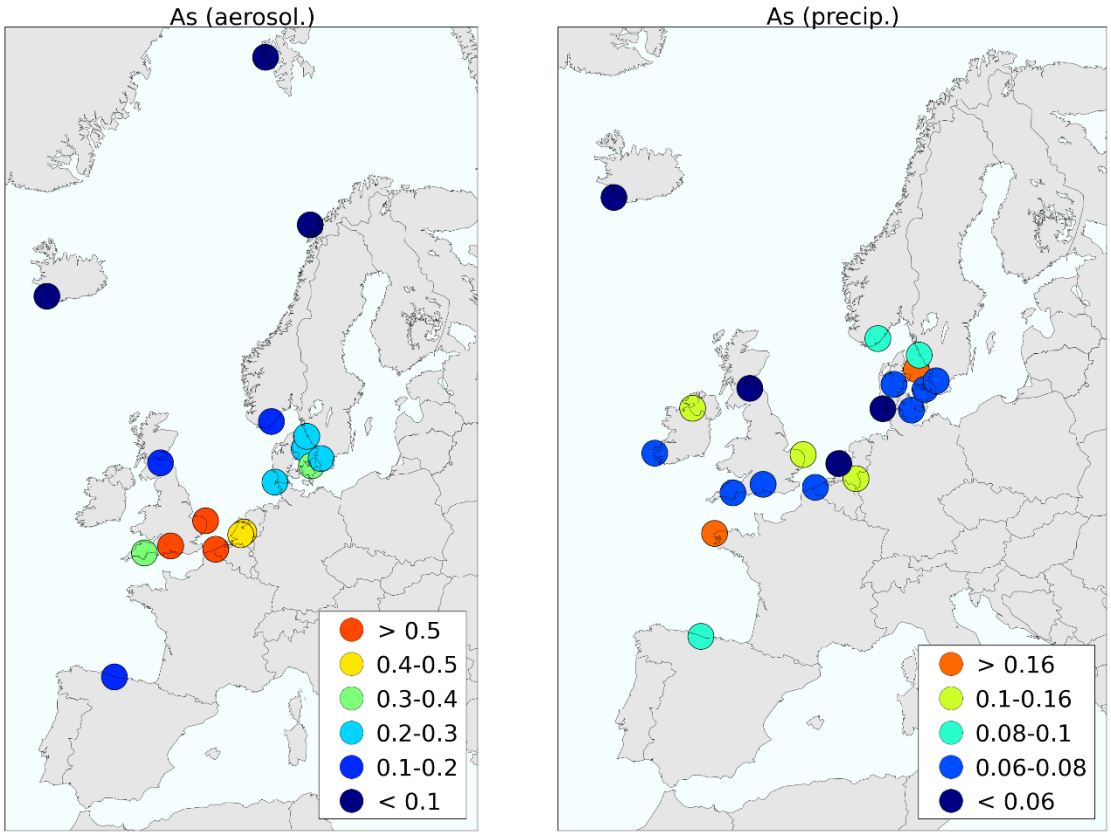


Figure 3.3: *Annual concentrations of arsenic in air (ng/m^3) and precipitation (µg/L), 2017*

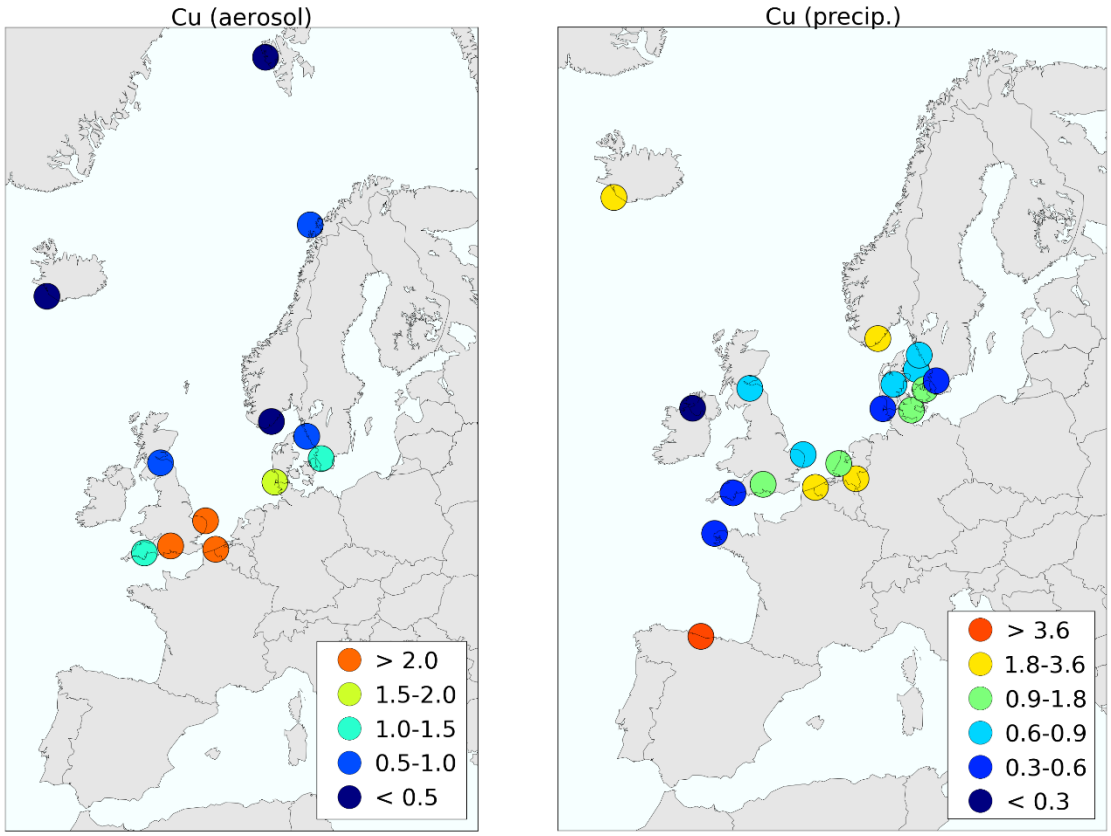


Figure 3.4: *Annual concentrations of copper in air (ng/m^3) and precipitation (µg/L), 2017*

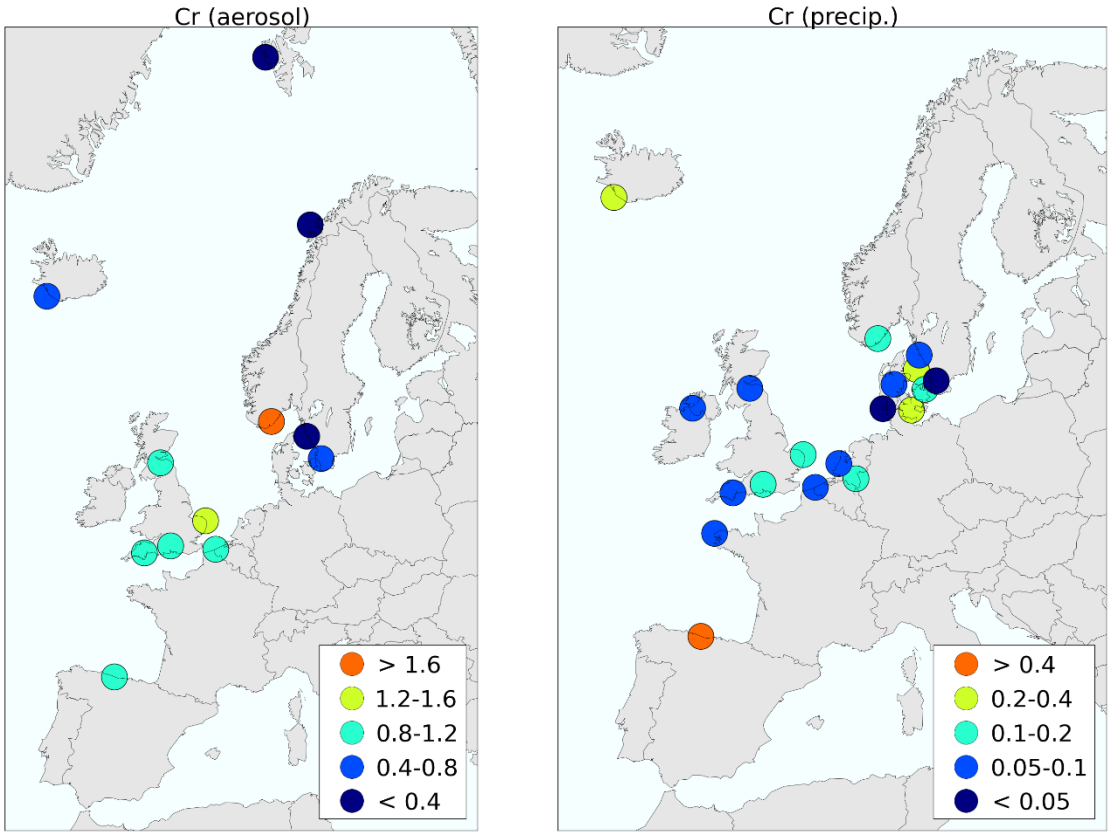


Figure 3.5: *Annual concentrations of chromium in air (ng/m^3) and precipitation (µg/L), 2017*

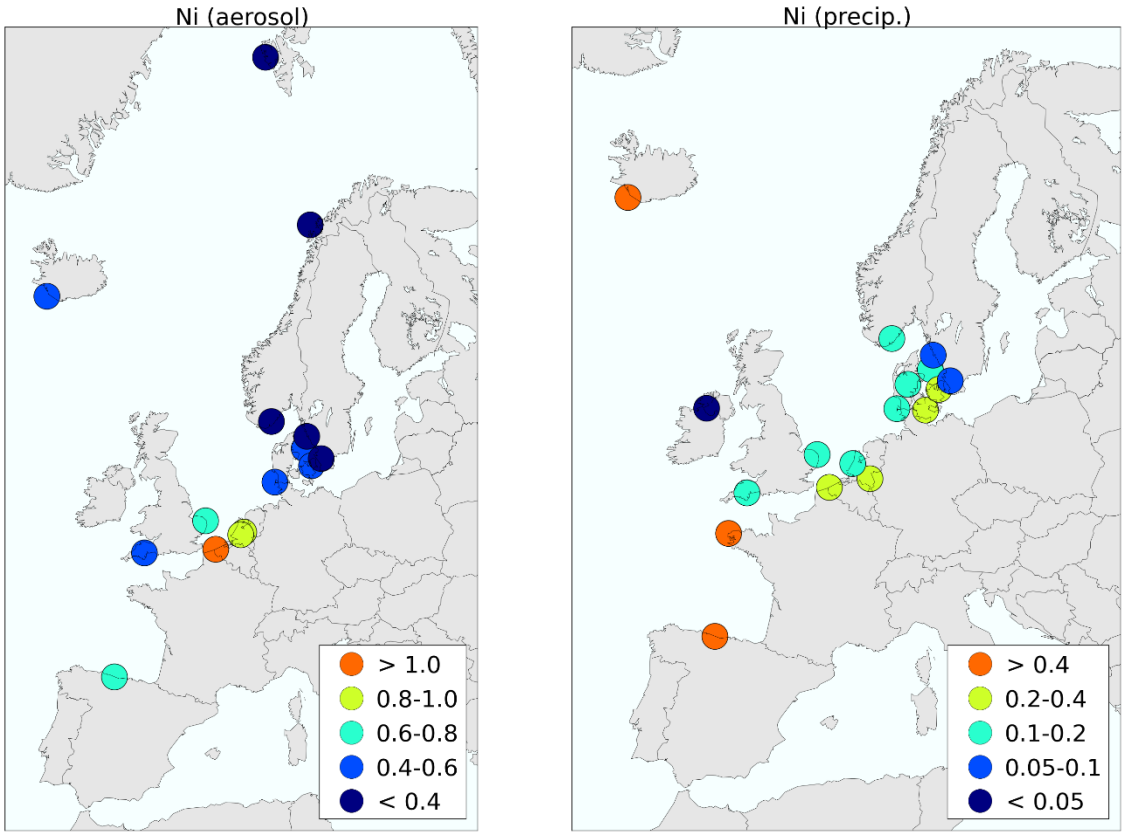


Figure 3.6: *Annual concentrations of nickel in air (ng/m^3) and precipitation (µg/L), 2017*

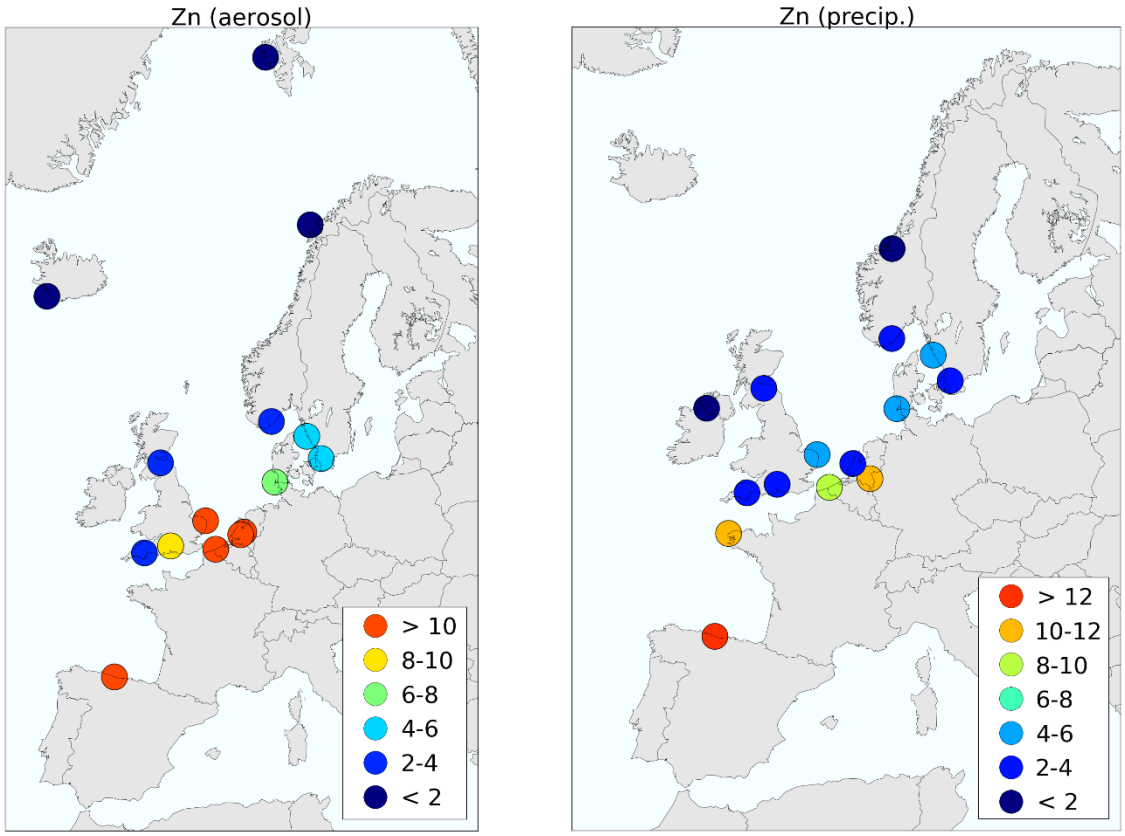


Figure 3.7: *Annual concentrations of zinc in air (ng/m^3) and precipitation (µg/L), 2017*

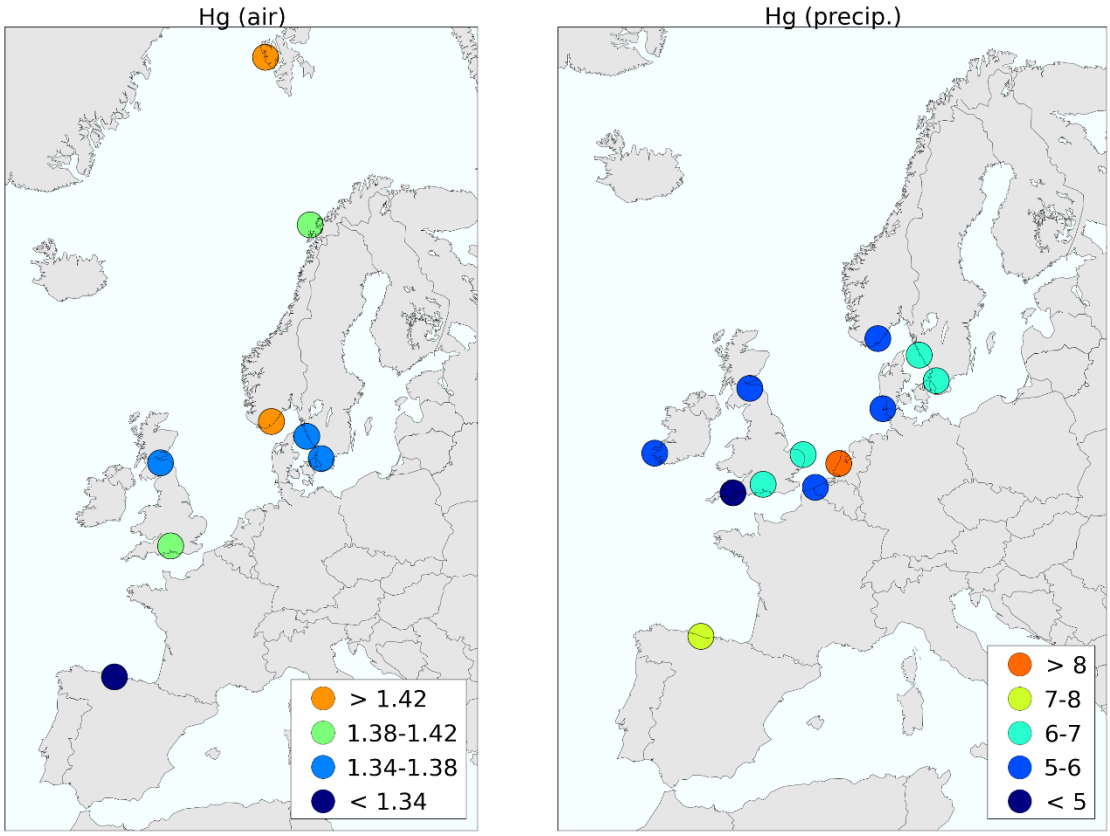


Figure 3.8: *Annual concentrations of mercury in air (ng/m^3) and precipitation (ng/L), 2017*

3.2 Selected POPs in air

POPs are organic chemicals identified as being toxic, bio-accumulative, persistent and prone to long-range transport, and several 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 (-HCH, Benzo-a-pyrene and PCB 180) in air are shown. -HCH and PCBs in air are only measured at a few sites while benzo-a-pyrene is measured at a larger number of sites mainly due to the fact that PAH is regulated by the EUs air quality directive (EU, 2004). The highest levels are seen in the Benelux countries, while lowest in the Arctic (at the station in Svalbard). 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 measurements of POPs in precipitation 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.

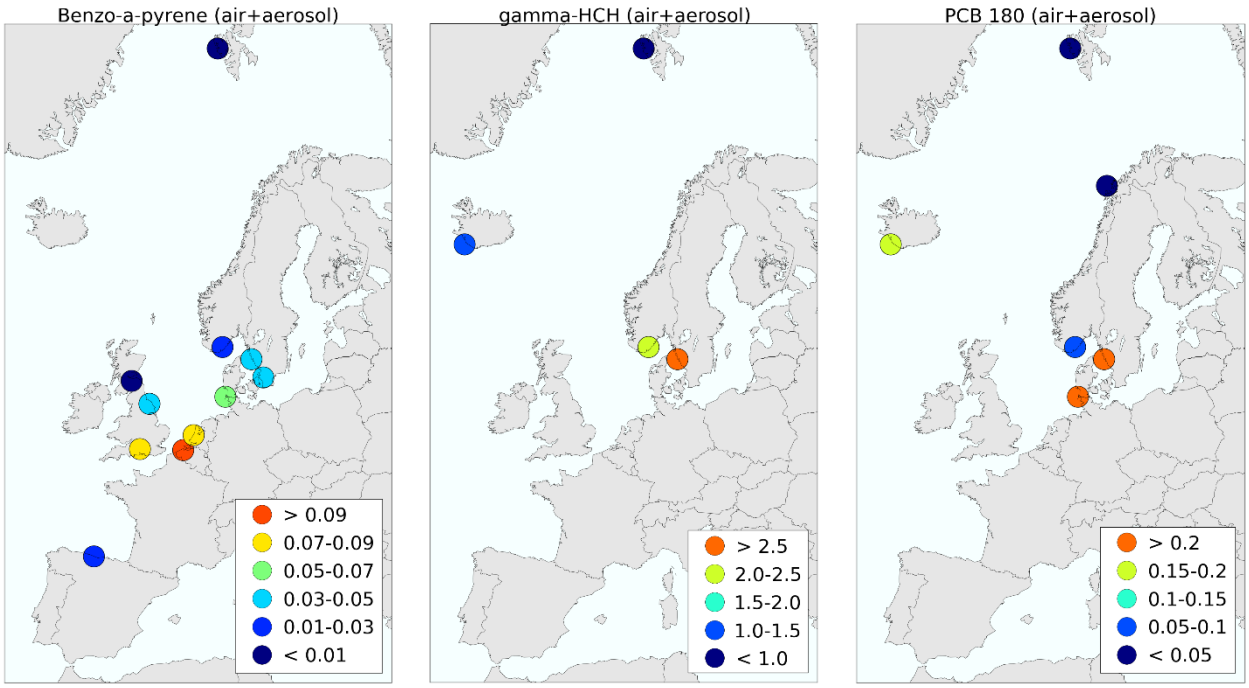


Figure 3.9: *-HCH (pg/m^3), Benzo-a-pyrene (ng/m^3) and PCB 180 in air (pg/m^3) 2017.*

3.3 Nitrogen compounds in air and precipitation

Concentrations of oxidised nitrogen in air and precipitation are illustrated in Figure 3.10. The air concentrations of NO_2 are highest around the major emission sources, like from the ship traffic in the North Sea, Kattegat and in the English Channel. The highest concentrations of oxidised nitrogen in air resembles similar pattern, for nitrate in precipitation it is more scatter with additional elevated concentrations in the Bay of Biscay

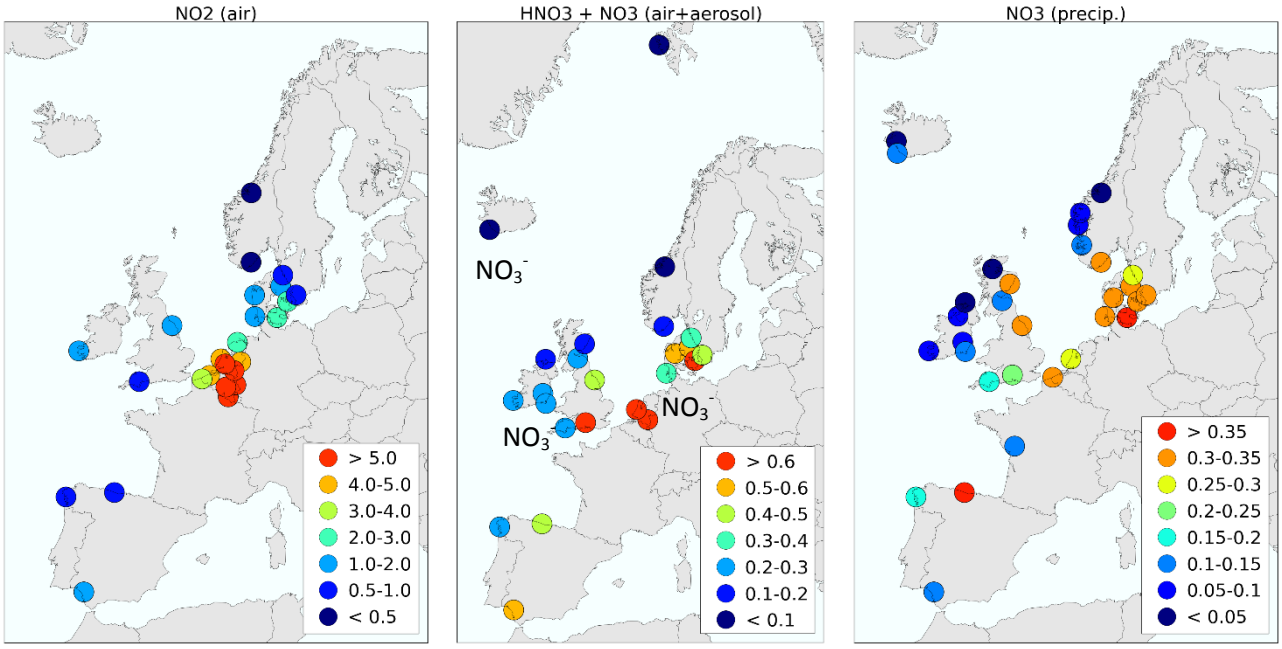


Figure 3.10: *Annual mean concentrations of oxidised nitrogen in 2017, in air (NO_2 and sum (NO_3 + HNO_3) in µgN/m^3, at DE0001, IE0005,6,8, and IS0091 only NO_3^- in aerosol are measured) and volume weighted mean in precipitation (NO_3^- in mgN/L).*

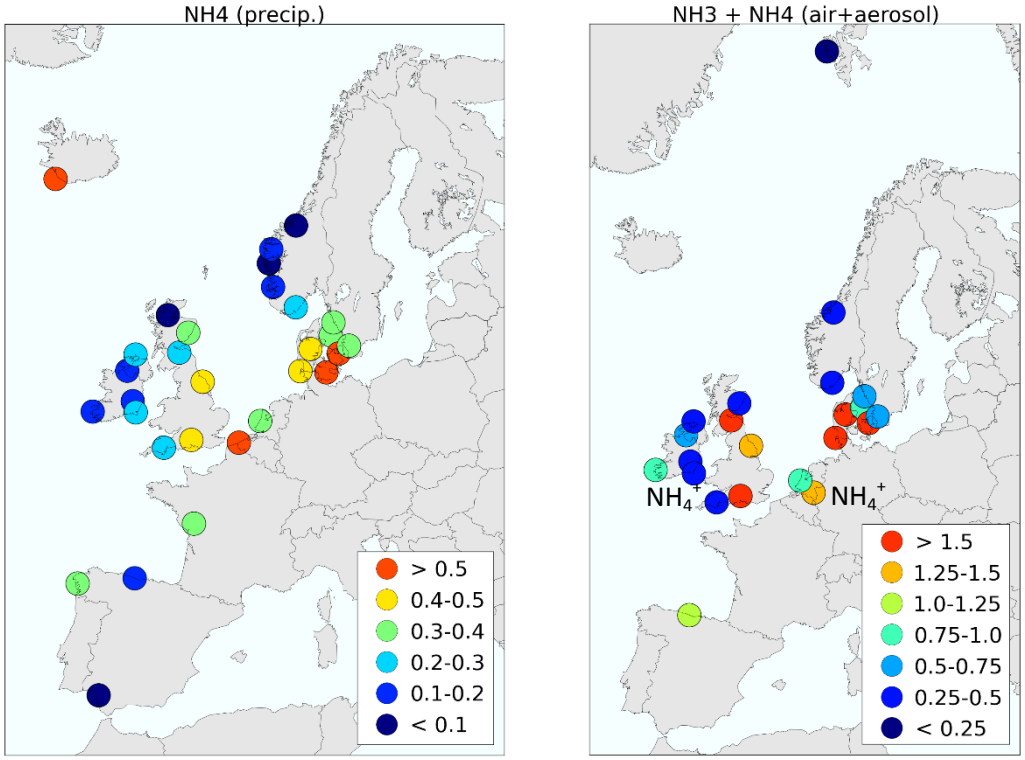


Figure 3.11: *Volume weighted annual mean concentrations of reduced nitrogen in 2017 in precipitation (right, mgN/L) and in air (left, µgN/m^3, at NL0010,91 and IE0005,6,8, only NH_4^+ in aerosol are measured).*

Concentrations of reduced nitrogen are shown in Figure 3.9. The highest concentrations of sum ammonium (NH_4^++NH_3) in air are not surprisingly highest in the quite intensive agricultural regions in Europe.

Annual wet deposition of total nitrogen is between 77 and 1259 mgN/m^2 (equal 0.8-12.6 kg ha/year) with the highest deposition in the relatively wet region in Norway and Iceland (see data in the annex). To estimate the total deposition it is important to also include dry deposition fluxes (Sutton et al., 2011).

However, monitoring of dry deposition fluxes has so far mainly been made in relation to research projects, in particular, the European Union 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 2017 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. Here we have used the confidence limit of 0.1 to define 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 pr. 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.

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; Colette et al., 2016). From 1990 to 2012 the NO_x emissions in Europe decreased by 49%. The reductions were in the first decade mainly caused by a change from burning of coal and gas to nuclear power. 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 precipitation measurements at the CAMP sites (See Table 4.1). From 1990 to 2017, nitrate in precipitation decreased on average, by 33%. The concentrations of total airborne nitrate and NO_2 had on average a small decrease, 10% and 16%, respectively. The difference between the trend in air and precipitation can also partly be due to 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 a bit less than for the whole period. 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 total European ammonia emissions decreased by 29% from 1990 to 2012 (Colette et al., 2016), though with large regional differences. A majority of the CAMP sites show a decreasing trend in both air and precipitation, on average 14% in precipitation for the period 1990-2017. In air however, the average trend is actually an increase of 18%, 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. Especially this is the case for the two sites in Norway, which show a large increase, and excluding the Norwegian sites, the remaining sites in Denmark and Sweden show a significant decrease. Concentrations from 2000-2017 show no clear tendency (Table 4.1 and Figure 4.4 and 4.5).

Trends 1990 - 2017					
		Sites with sign. trend		Trends in conc.	
Comp	Nr of sites	decrease	increase	Avg.	SD
NO_3 precip	10	80 %	0 %	-33 %	17 %
sum NO_3 air	5	60 %	20 %	-10 %	52 %
NO_2 air	8	88 %	13 %	-16 %	75 %
NH_4 precip	10	50 %	0 %	-14 %	22 %
sum NH_4 air	5	60 %	40 %	18 %	104 %
Hg precip	2	100 %	0 %	-44 %	13 %
$Hg_{(g)}$ air	1	0 %	0 %	-22 %	-
Pb precip	6	100 %	0 %	-75 %	14 %
Pb air	1	100 %	0 %	-92 %	-
Cd precip	6	50 %	0 %	-60 %	39 %
Cd air	1	100 %	0 %	-81 %	-

Trends 2000 - 2017					
		Sites with sign. trend		Trends in conc.	
Comp	Nr of sites	decrease	increase	Avg.	SD
NO_3 precip	15	80 %	0 %	-25 %	20 %
sum NO_3 air	6	50 %	0 %	-7 %	44 %
NO_2 air	9	78 %	11 %	-13 %	71 %
NH_4 precip	14	36 %	7 %	-5 %	36 %
sum NH_4 air	7	43 %	14 %	-7 %	44 %
Hg precip	4	75 %	0 %	-27 %	13 %
$Hg_{(g)}$ air	2	100 %	0 %	-14 %	7 %
Pb precip	7	86 %	0 %	-52 %	26 %
Pb air	4	100 %	0 %	-73 %	4 %
Cd precip	7	43 %	0 %	-31 %	38 %
Cd air	3	67 %	0 %	-49 %	21 %

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 1990-2017 and 2000-2017.

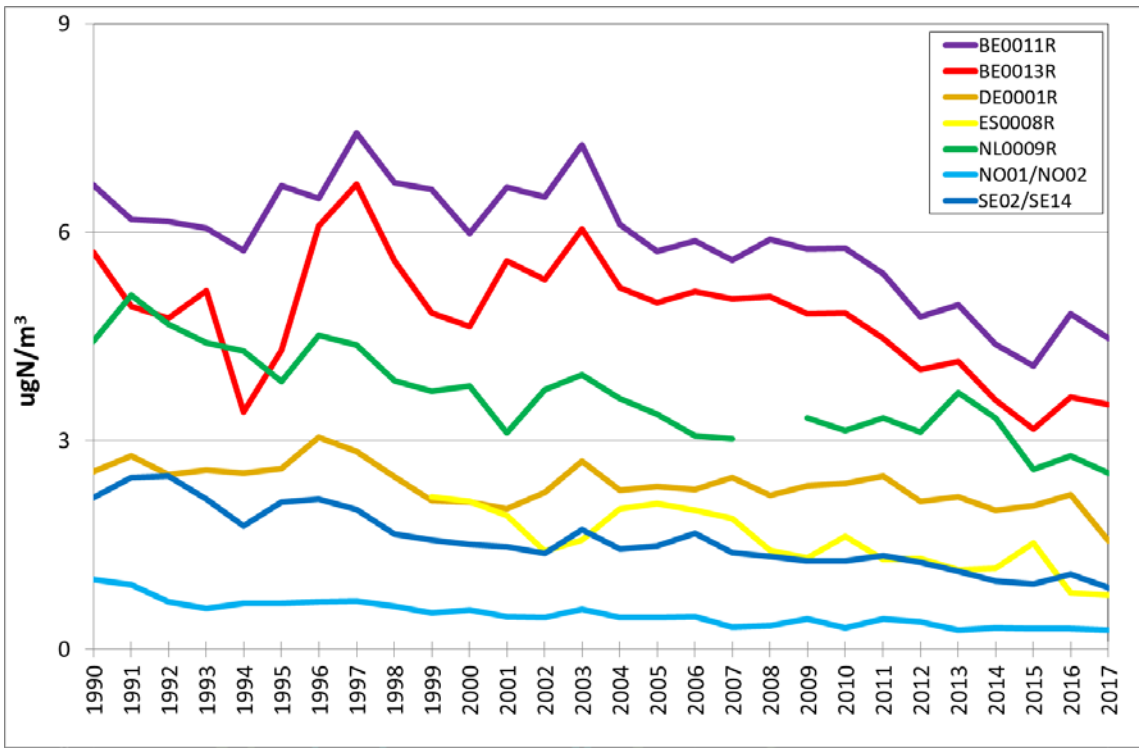


Figure 4.1: *Time series of NO_2. All the sites shown have a significant trend*

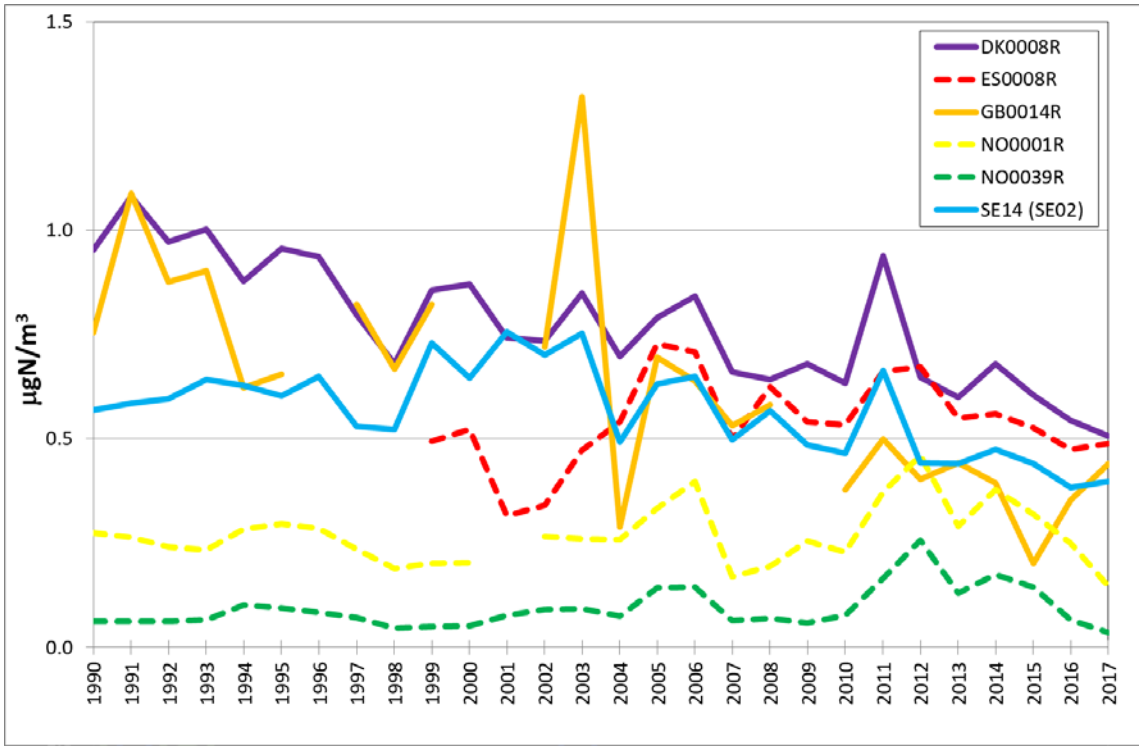


Figure 4.2: *Time series of sum of nitrate (HNO_3+NO_3) in air. Solid lines are sites with significant trends while dotted lines are not.*

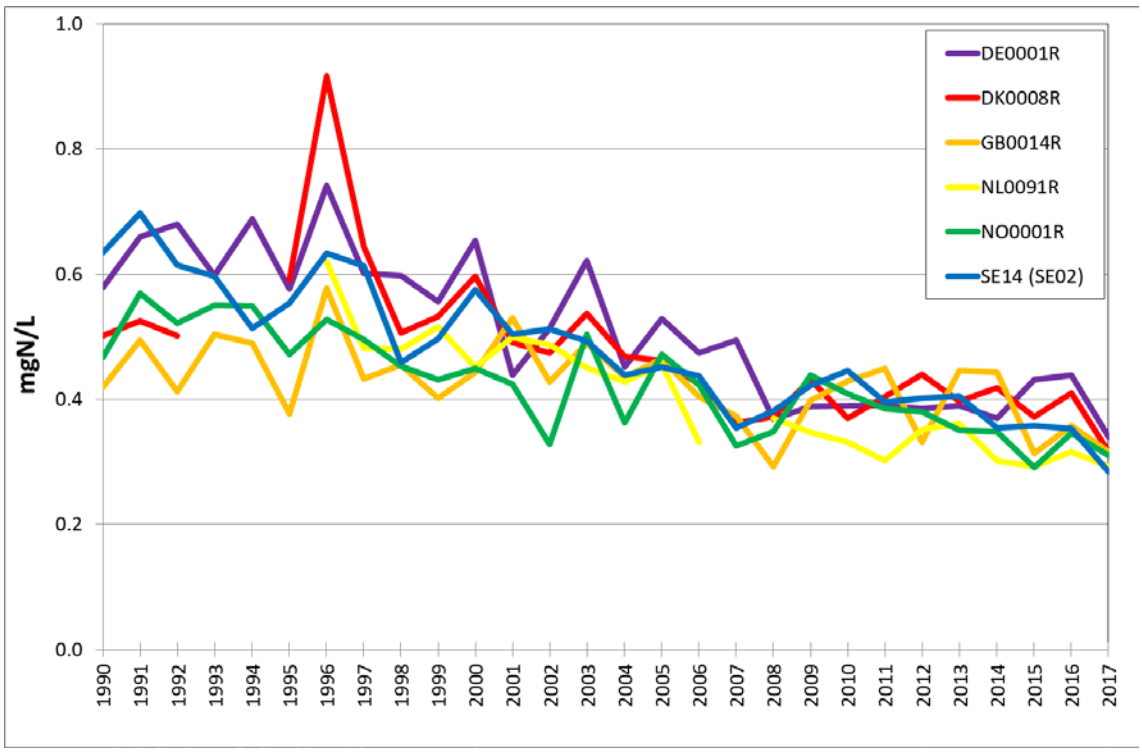
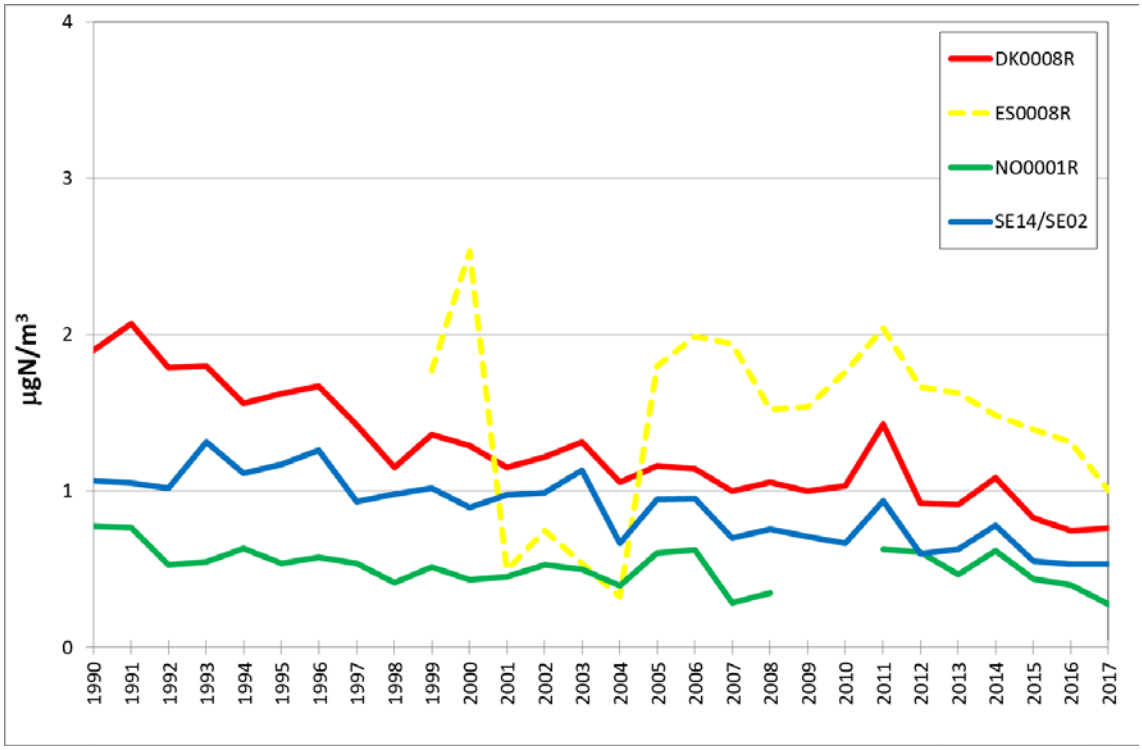


Figure 4.3: *Time series of NO_3 in precipitation. All the sites shown have a significant trend*



.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.*

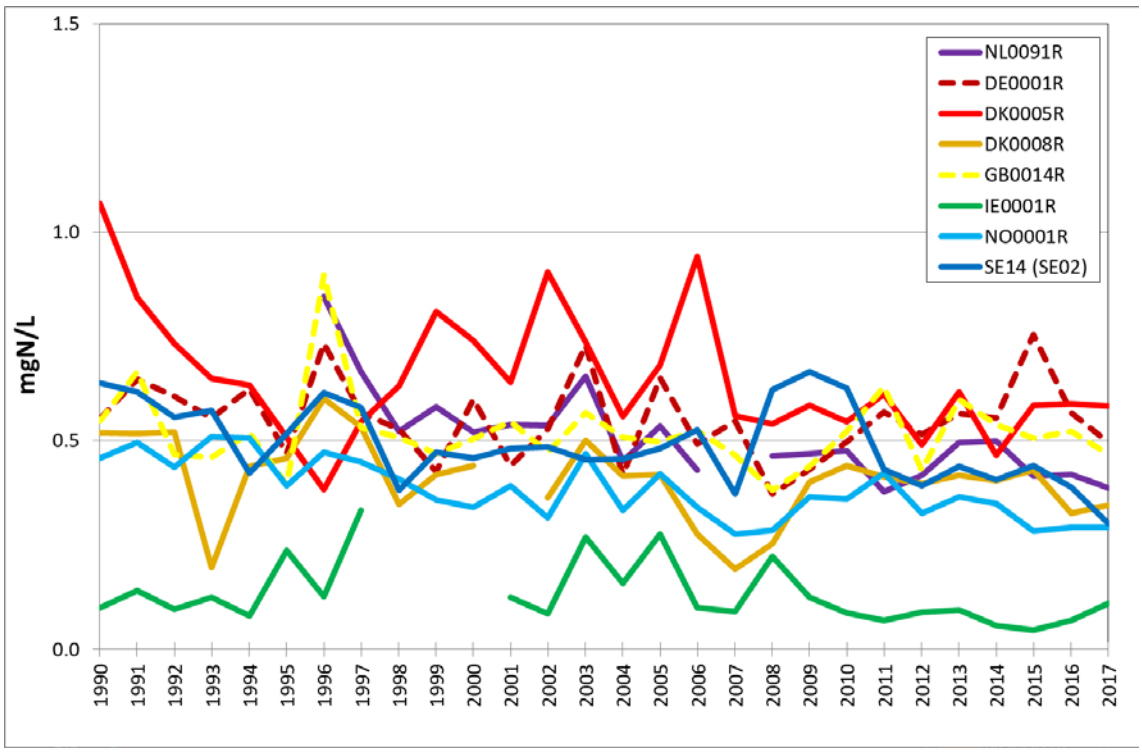


Figure 4.5: *Time series of NH_4 in precipitation. Solid lines are sites with significant trends while dotted lines are not.*

4.2 Time series in annual mean of heavy metals

When looking at trends in heavy metals, one should keep in mind that the sites with long term monitoring are situated mainly in Northern Europe, 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 what is reported of emission reduction in Europe (Pacyna et al., 2009).

For mercury, there are only Scandinavian and German sites with long-term measurements, see Figure 4.10. There seems to be a reduction in the concentration in the earlier part of the period, but in the latest decade, 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).

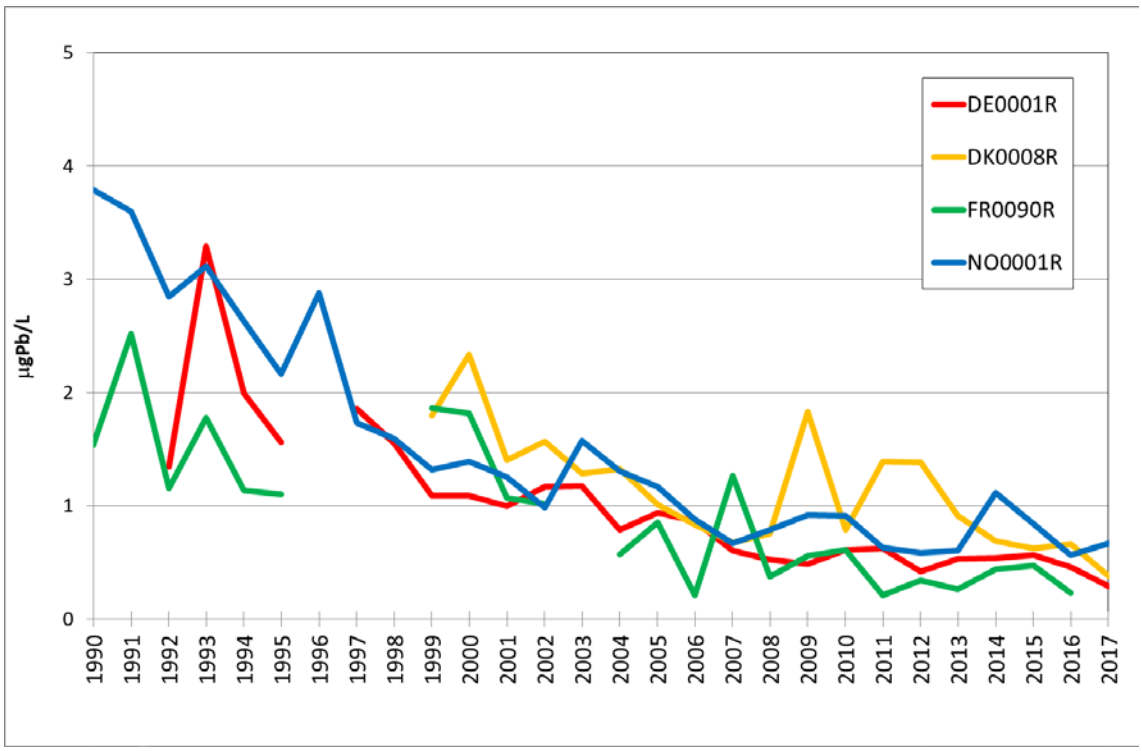


Figure 4.6: *Time series of lead in precipitation. All the sites shown have a significant trend*

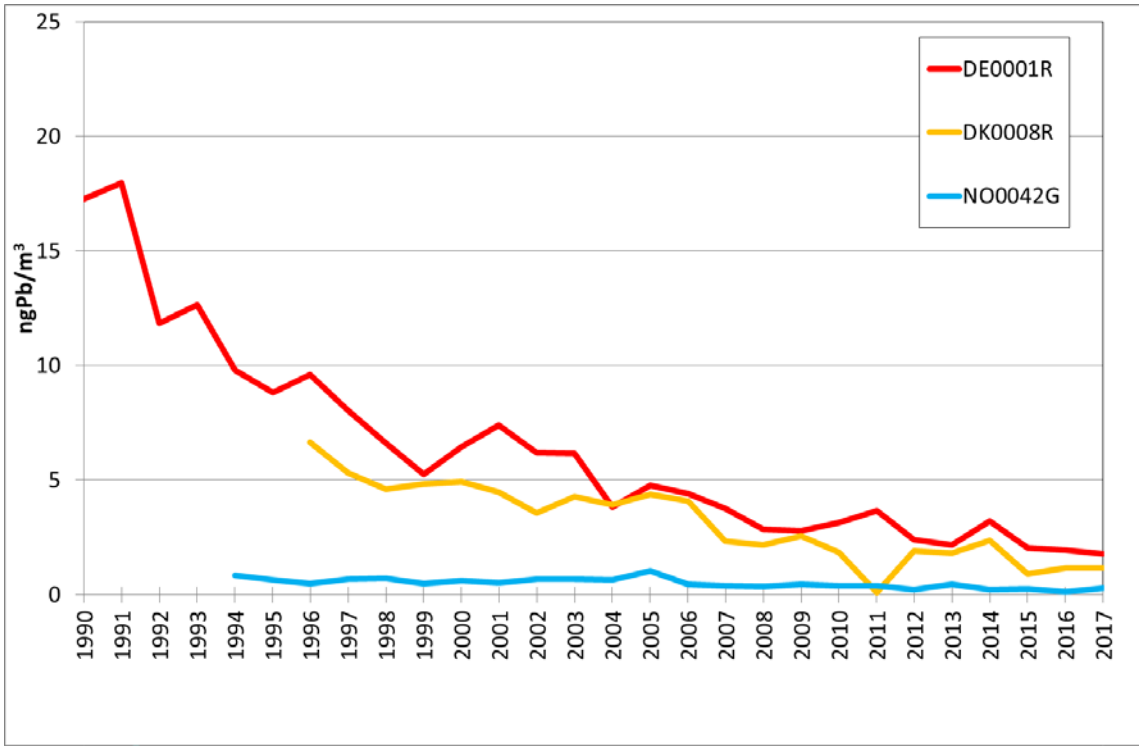


Figure 4.7: *Time series of lead in air. All the sites shown have a significant trend*

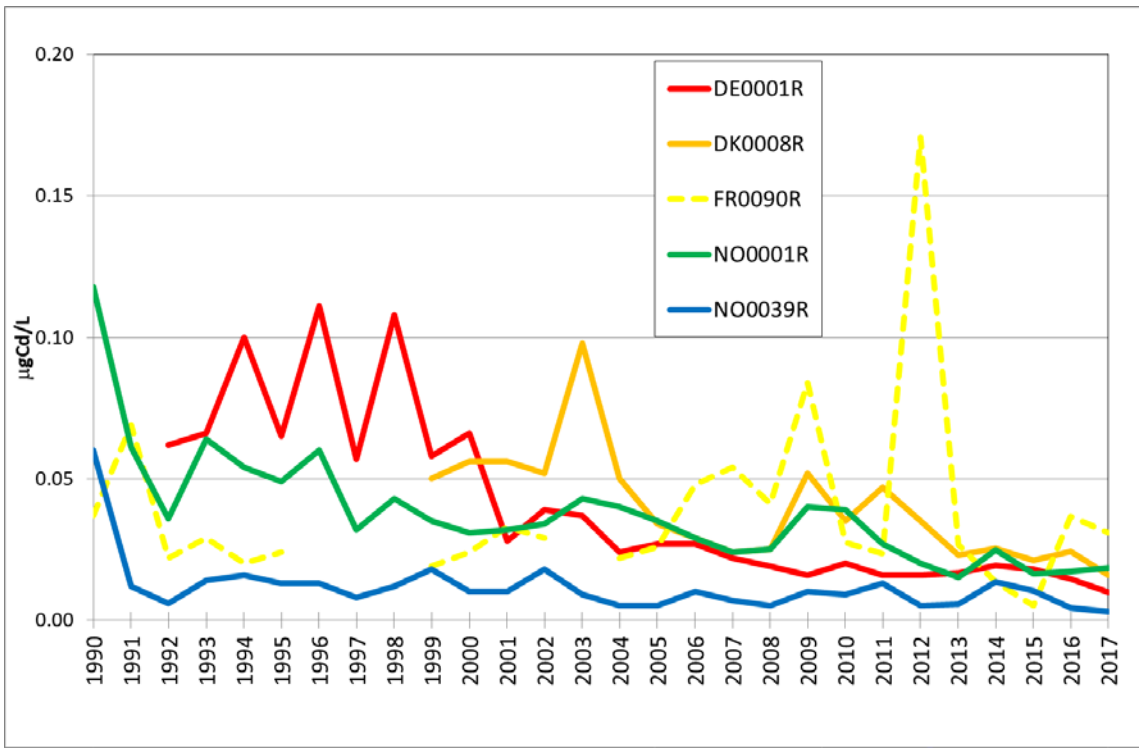


Figure 4.8: *Time series of cadmium in precipitation. Solid lines are sites with significant trends while dotted lines are not.*

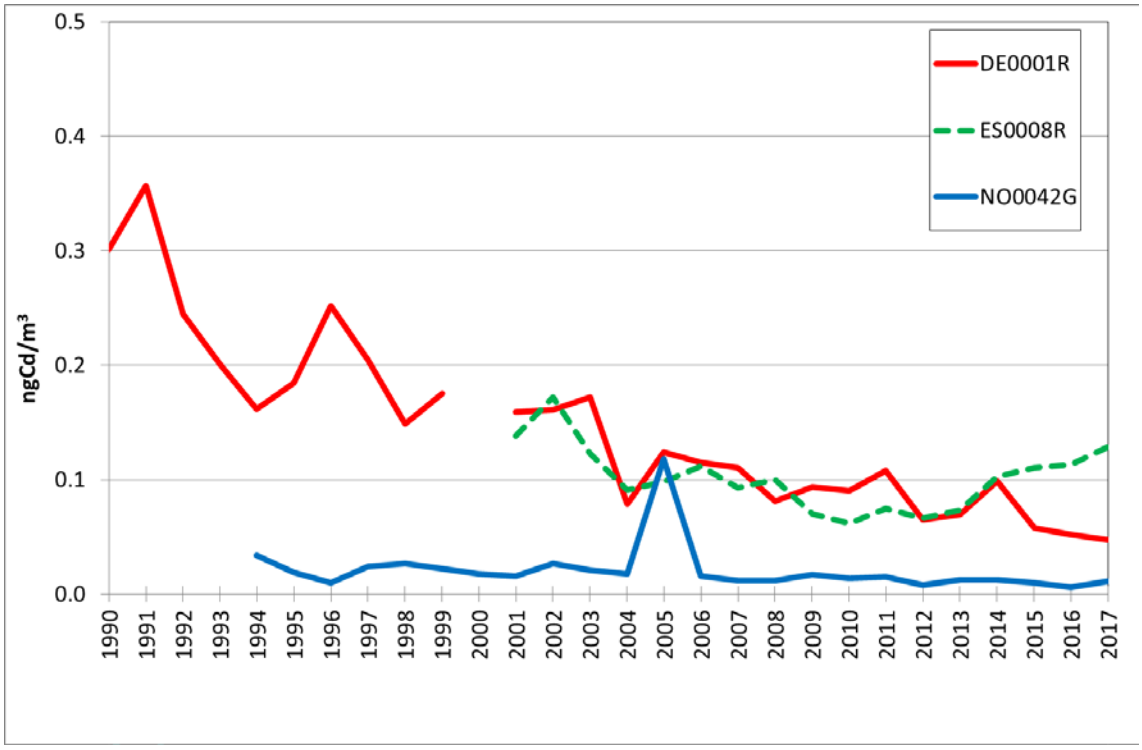


Figure 4.9: *Time series of cadmium in air. Solid lines are sites with significant trends while dotted lines are not.*

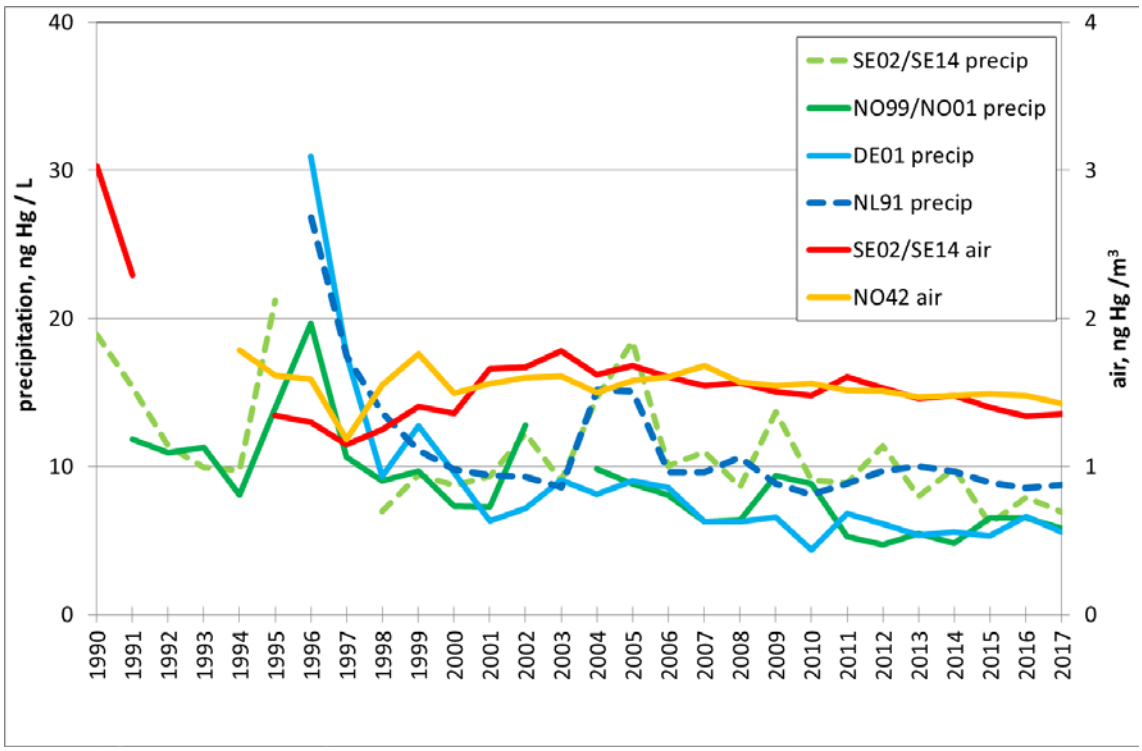


***Figure 4.10**: Time series of mercury. Solid lines are sites with significant trends while dotted lines are not.*

4.3 Time series in annual mean for selected POPs

For most 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), shown for benzo(a)pyrene and PCB 180 in Figure 4.11.

Figure 4.11: Time series of Benzo[a]pyrene air (left) and PCB in air (right) at selected sites

5 References

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Annex 1

Monitoring stations reporting to CAMP in 2017

Country	Station	Station	OSPAR	Lat.	Long.	masl
Iceland	IS0002R	Irafoss	I	64º 05' N	21º 01' E	66 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	BE0001R	Offagne	II	49°53''N	5°12''E	430 m
	BE0011R	Moerkerke	II	51°15''N	3°21''E	3 m
	BE0013R	Houtem	II	51°1''N	2°35''E	2 m
	BE0014R	Koksijde	II	51°7' N	2°39' E	7 m
	BE0032R	Eupen	II	50°38' N	6°00' E	295 m
	BE0035R	Vezin	II	50°30' N	4°59' E	160m
Netherlands	NL0009R	Kollumerwaard	II	53º 20' N	6º 16' E	1 m
	NL0007R	Eibergen	II	52°05'N	06°34'E	20 m
	NL0008R	Bilthoven	II	52°07'N	05°12' E	5 m
	NL0010R	Vredepeel	II	51°32'N	05°51' E	28 m
	NL0091R	De Zilk	II	52º 18' N	4º 30' E	4 m
	NL0644R	Cabauw Wielsekade	II	51°58'N	04°55 E	1 m
Germany	DE0001R	Westerland	II	54º 56' N	8 º 19' E	12 m
Denmark	DK0003R	Tange	II	56°21'N	9°36'E	13 m
	DK0005R	Keldsnor	II	54º44'N	10º44'E	19 m
	DK0008R	Anholt	II	56º43'N	11º31'E	40 m
	DK0012R	Risø	II	55°41'N	12°05'E	3 m
	DK0022R	Sepstrup Sande	II	55º5'N	9º36'E	60 m
	DK0031R	Ulborg	II	56°17N	08°25E	10 m
Sweden	SE0014R	Råö	II	57º24' N	11º55' E	5 m
	SE0020R	Hallahus	II	56°02'N	13°09'E	190 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
	GB0017R	Heigham Holmes	II	52°43'N	01°37'E	-
	GB0048R	Auchencorth Moss	II	55º47' N	3º14' W	260 m
	GB0054R	Glen Saugh	II	56°54'N	02°33'W	85 m
	GB1055R	Chilbolton Obs.	II	51°09'N	01°26'W	78 m
Ireland	IE0001R	Valentia Observ.	III	51º56' N	10º15' W	11 m
	IE0005R	Oak Park	III	52°52'N	006°55'W	59 m
	IE0006R	Malin Head	III	55°22'N	007°20'W	20 m
	IE0008R	Carnsore Point	III	52°10'N	006°21'W	9 m
	IE0009R	Johnstown Castle	III	52°17'N	006°30'W	62 m
France	FR0090R	Porspoder	III	48º31N	4º45'W	50 m
	FR0015R	La Tardière	IV	46°39N	0°45'W	133 m
	FR0018R	La Coulonche	II	48°38N	0°27W	309 m
Spain	ES0005R	Noia	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
	Ecole des Mines de Douai	Aude Bourin
Germany	Umweltbundesamt, Langen	Elke Bieber
Great Britain	Ricardo-AEA	Keith Vincent
	Centre for Ecology and Hydrology (CEH), Edinburgh	David S. Leaver
Iceland	The Icelandic Meteorological Office	Arni Sigurdsson
Ireland	Environmental Protection Agency	Micheál O'Dwyer
	the Meteorological Service, Met Eireann	Margaret Ryan
Netherlands	National Institute for Public Health and Environmental Protection (RIVM)	Rob Zwartjes
Norway	NILU - Norwegian Institute for Air Research	Pernilla Bohlin Nizzetto, Wenche Aas
Spain	Ministerio para la Transición Ecológica	Irene Olivares Bendicho, Jorge Ureta Maesu
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, 2017

			Jan		Febr		March		April		May		June		July		August		Sept.		Oct.		Nov.		Dec.		2017	
Code	**Comp**	**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	ammonium	mgN/L	0.36	100	0.57	100	0.47	98	0.69	99	1.22	100	1.15	95	0.69	100	0.59	100	0.85	100	0.65	100	0.24	100	0.18	100	0.57	100
DE0001R	ammonium	mgN/L	1.08	90	0.58	100	0.53	100	0.52	100	0.83	99	0.74	100	0.56	100	0.44	100	0.32	100	0.52	100	0.34	100	0.38	100	0.50	100
DK0005R	ammonium	mgN/L	0.40	100	0.55	100	1.32	26	0.95	45	1.14	100	0.38	100	0.56	100	1.01	100	0.27	86	0.14	87	0.31	100	NaN	nan	0.58	89
DK0008R	ammonium	mgN/L	0.37	100	0.34	100	0.62	100	0.54	100	0.84	100	0.95	100	0.32	100	0.40	100	0.16	100	0.21	100	0.28	100	0.17	100	0.35	100
DK0012R	ammonium	mgN/L	0.42	100	0.33	100	0.69	100	0.76	100	1.82	100	0.85	100	0.38	100	0.61	100	0.25	100	0.41	100	0.26	95	0.20	100	0.52	100
DK0022R	ammonium	mgN/L	0.39	100	0.48	100	0.53	100	0.50	100	0.63	97	0.92	75	0.38	100	0.48	100	0.36	100	0.36	100	0.28	100	0.29	100	0.42	99
ES0005R	ammonium	mgN/L	0.35	100	0.14	100	0.05	100	1.16	100	0.09	100	0.45	100	0.04	100	5.83	91	1.60	98	0.11	99	0.23	98	0.29	100	0.33	100
ES0008R	ammonium	mgN/L	0.15	100	0.26	100	0.19	100	0.49	100	0.35	100	0.39	100	0.33	100	0.14	100	0.16	100	0.51	100	0.08	100	0.06	100	0.19	100
ES0017R	ammonium	mgN/L	0.06	98	0.12	99	0.11	99	0.14	100	0.04	92	NaN	nan	NaN	nan	0.20	100	NaN	nan	0.05	100	0.02	99	0.08	99	0.08	99
FR0015R	ammonium	mgN/L	0.44	99	0.35	99	0.30	99	1.23	95	0.65	99	0.35	100	0.35	98	0.55	93	0.32	99	0.58	92	0.51	98	0.20	99	0.38	98
GB0006R	ammonium	mgN/L	0.17	100	0.15	100	0.10	100	0.21	100	0.71	100	0.16	100	0.10	100	0.14	100	0.08	100	0.08	100	0.02	100	0.01	100	0.12	100
GB0013R	ammonium	mgN/L	0.28	91	0.37	100	0.13	69	NaN	0	0.47	95	0.04	100	0.20	100	0.12	100	0.24	100	0.17	100	0.19	100	0.08	100	0.20	91
GB0014R	ammonium	mgN/L	0.72	100	0.54	100	1.12	100	0.33	100	0.56	100	0.37	100	0.29	100	0.60	100	0.34	100	0.50	100	0.27	100	0.24	100	0.47	100
GB0015R	ammonium	mgN/L	0.00	100	0.02	100	0.05	100	0.03	100	0.46	100	0.43	100	0.04	100	0.03	100	0.03	100	0.05	100	0.00	100	0.00	100	0.06	100
GB0048R	ammonium	mgN/L	0.17	100	0.22	100	0.27	100	0.52	99	0.41	96	0.14	100	0.49	100	0.21	96	0.19	100	0.23	100	0.13	100	0.11	100	0.23	99
GB0054R	ammonium	mgN/L	0.32	100	0.29	100	0.36	100	0.57	100	0.12	100	0.23	100	0.39	100	0.53	100	0.62	100	0.52	100	0.06	100	0.12	100	0.36	100
GB1055R	ammonium	mgN/L	0.50	100	0.46	100	0.49	100	1.16	100	0.51	100	0.44	100	0.38	100	0.51	100	0.57	100	0.95	100	0.39	100	0.27	100	0.47	100
IE0001R	ammonium	mgN/L	0.08	99	0.07	99	0.09	100	0.16	99	0.14	99	0.43	100	0.03	99	0.15	99	0.06	93	0.11	100	0.03	98	0.03	99	0.11	98
IE0005R	ammonium	mgN/L	0.18	99	0.21	98	0.14	93	0.86	93	0.26	100	0.07	98	0.21	98	0.06	96	0.05	99	0.13	95	0.41	96	0.21	98	0.19	97
IE0006R	ammonium	mgN/L	0.23	98	0.13	99	0.26	99	0.26	97	1.82	99	0.10	95	0.18	100	0.06	99	0.12	98	0.05	97	0.05	99	0.08	97	0.21	98
IE0009R	ammonium	mgN/L	0.29	99	0.34	97	0.28	99	0.49	98	0.36	99	0.14	99	0.18	99	0.14	98	0.22	99	NaN	nan	0.24	96	0.11	100	0.23	99
IS0091R	ammonium	mgN/L	0.32	100	0.96	100	0.51	100	0.93	100	0.33	100	0.21	100	0.65	100	0.90	100	0.14	100	0.24	100	0.11	100	0.12	100	0.50	100
NL0091R	ammonium	mgN/L	0.66	100	0.47	91	0.44	55	0.47	94	0.95	94	0.54	94	0.54	99	0.47	98	0.27	100	0.32	89	0.27	99	0.20	99	0.39	95
NO0001R	ammonium	mgN/L	0.25	99	0.28	100	0.21	99	0.19	99	1.26	71	0.46	19	0.10	99	0.18	99	0.38	100	0.22	100	0.23	100	0.18	99	0.29	93
NO0039R	ammonium	mgN/L	0.05	100	0.05	100	0.07	100	0.09	100	0.25	28	0.11	99	0.03	100	0.08	100	0.09	82	0.07	100	0.04	100	0.03	100	0.06	95
NO0554R	ammonium	mgN/L	0.13	100	0.08	100	0.16	100	0.17	100	0.15	100	0.11	100	0.05	100	0.20	100	0.07	100	0.05	100	0.07	100	0.05	100	0.10	100
NO0572R	ammonium	mgN/L	0.19	100	0.15	100	0.27	100	0.26	100	0.34	100	0.28	100	0.16	100	0.16	100	0.05	100	0.11	100	0.08	100	0.10	100	0.16	100
NO0655R	ammonium	mgN/L	0.10	100	0.43	100	0.15	100	0.18	100	0.39	99	0.12	100	0.02	100	0.12	100	0.64	100	0.14	98	0.10	100	0.08	100	0.15	100
SE0014R	ammonium	mgN/L	0.67	97	0.30	98	0.53	98	0.39	100	0.80	99	0.32	100	0.11	100	0.43	99	0.21	98	0.07	99	0.09	99	0.19	100	0.30	99
SE0020R	ammonium	mgN/L	0.68	100	0.59	100	0.72	81	-	7	0.86	100	0.41	100	0.22	100	0.29	100	0.23	100	0.30	100	0.33	100	0.33	100	0.38	94
BE0014R	nitrate	mgN/L	0.25	100	0.35	100	0.25	98	0.49	99	0.63	100	0.63	95	0.34	100	0.30	100	0.25	100	0.35	100	0.26	100	0.22	100	0.30	100
DE0001R	nitrate	mgN/L	0.51	90	0.49	100	0.43	100	0.40	100	0.38	99	0.41	100	0.33	100	0.27	100	0.21	100	0.39	100	0.32	100	0.41	100	0.34	100
DK0005R	nitrate	mgN/L	0.50	100	0.43	100	0.47	100	0.39	100	0.56	100	0.25	100	0.32	100	0.51	100	0.26	100	0.15	87	NaN	0	NaN	nan	0.36	93
DK0008R	nitrate	mgN/L	0.59	100	0.45	100	0.50	100	0.28	100	0.72	100	0.52	100	0.22	100	0.26	100	0.19	100	0.27	100	0.35	100	0.32	100	0.32	100
DK0012R	nitrate	mgN/L	0.47	100	0.36	100	0.48	100	0.31	100	0.83	100	0.39	100	0.26	100	0.38	100	0.24	100	0.35	100	0.29	95	0.37	100	0.34	100
DK0022R	nitrate	mgN/L	0.41	100	0.42	100	0.39	100	0.20	100	0.33	100	0.49	100	0.26	100	0.30	100	0.27	100	0.25	100	0.23	100	0.27	100	0.30	100
ES0005R	nitrate	mgN/L	0.15	100	0.11	100	0.12	100	0.51	100	0.13	100	0.24	100	0.18	100	0.89	97	0.36	99	0.23	100	0.31	98	0.12	100	0.17	100
ES0008R	nitrate	mgN/L	0.15	100	1.92	100	0.28	100	0.35	100	0.37	100	0.40	100	0.39	100	0.31	100	0.39	89	0.34	100	0.17	100	0.19	100	0.40	99
ES0017R	nitrate	mgN/L	0.04	98	0.11	99	0.10	99	0.16	100	0.04	92	NaN	nan	NaN	nan	0.46	100	NaN	nan	0.10	100	0.04	99	0.19	99	0.10	99

			Jan		Febr		March		April		May		June		July		August		Sept.		Oct.		Nov.		Dec.		2017	
Code	Comp	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
FR0015R	nitrate	mgN/L	0.18	99	0.12	99	0.13	99	0.31	95	0.25	99	0.12	100	0.13	98	0.21	93	0.11	99	0.17	92	0.17	98	0.08	99	0.14	98
GB0006R	nitrate	mgN/L	0.06	100	0.11	100	0.05	100	0.09	100	0.31	100	0.06	100	0.07	100	0.03	100	0.03	100	0.05	100	0.03	100	0.02	100	0.06	100
GB0013R	nitrate	mgN/L	0.18	91	0.24	100	0.09	69	NaN	0	0.26	95	0.11	100	0.17	100	0.11	100	0.12	100	0.16	100	0.16	100	0.11	100	0.16	91
GB0014R	nitrate	mgN/L	0.55	100	0.56	100	0.72	100	0.16	100	0.26	100	0.23	100	0.25	100	0.30	100	0.17	100	0.38	100	0.22	100	0.21	100	0.32	100
GB0015R	nitrate	mgN/L	0.02	100	0.08	100	0.06	100	0.04	100	0.24	100	0.04	100	0.05	100	0.07	100	0.05	100	0.06	100	0.03	100	0.03	100	0.05	100
GB0048R	nitrate	mgN/L	0.12	100	0.12	100	0.16	100	0.12	99	0.19	96	0.09	100	0.17	100	0.07	96	0.09	100	0.10	100	0.05	100	0.05	100	0.11	99
GB0054R	nitrate	mgN/L	0.28	100	0.43	100	0.24	100	0.27	100	0.11	100	0.17	100	0.28	100	0.44	100	0.55	100	0.47	100	0.14	100	0.15	100	0.32	100
GB1055R	nitrate	mgN/L	0.26	100	0.20	100	0.18	100	0.33	100	0.24	100	0.33	100	0.16	100	0.21	100	0.28	100	0.47	100	0.35	100	0.15	100	0.24	100
IE0001R	nitrate	mgN/L	0.10	99	0.08	99	0.10	100	0.11	99	0.07	99	0.06	100	0.03	99	0.10	99	0.08	93	0.09	100	0.04	98	0.04	99	0.07	98
IE0005R	nitrate	mgN/L	0.09	99	0.10	98	0.07	93	0.23	93	0.13	100	0.03	98	0.06	98	0.01	96	0.01	99	0.03	95	0.05	96	0.04	98	0.06	97
IE0006R	nitrate	mgN/L	0.11	98	0.05	99	0.07	99	0.01	97	0.26	99	0.02	95	0.02	100	0.01	99	0.01	98	0.02	97	0.02	99	0.02	97	0.04	98
IE0009R	nitrate	mgN/L	0.14	99	0.17	97	0.08	99	0.16	98	0.21	99	0.10	99	0.08	99	0.06	98	0.08	99	NaN	nan	0.08	96	0.09	100	0.11	99
IS0002R	nitrate	mgN/L	0.02	100	0.04	100	0.03	74	0.02	100	0.05	85	0.04	97	0.03	100	0.04	100	0.02	100	0.01	100	0.01	100	0.01	100	0.03	96
IS0091R	nitrate	mgN/L	0.07	100	0.08	100	0.07	100	0.25	100	0.17	100	0.13	100	0.25	100	0.09	100	0.05	100	0.03	100	0.03	100	0.04	100	0.11	100
NL0091R	nitrate	mgN/L	0.50	100	0.40	99	0.30	57	0.27	96	0.39	94	0.39	95	0.34	99	0.32	99	0.20	100	0.27	91	0.30	100	0.24	100	0.29	96
NO0001R	nitrate	mgN/L	0.39	99	0.33	100	0.21	99	0.19	99	0.70	71	0.46	19	0.19	99	0.22	99	0.35	100	0.26	100	0.38	100	0.24	99	0.31	93
NO0039R	nitrate	mgN/L	0.02	100	0.04	100	0.03	100	0.04	100	0.19	28	0.07	100	0.03	100	0.05	100	0.07	100	0.05	100	0.04	100	0.02	100	0.04	96
NO0554R	nitrate	mgN/L	0.10	100	0.10	100	0.12	100	0.10	100	0.17	100	0.16	100	0.07	100	0.14	100	0.03	100	0.05	100	0.09	100	0.05	100	0.09	100
NO0572R	nitrate	mgN/L	0.11	100	0.14	100	0.16	100	0.16	100	0.20	100	0.17	100	0.11	100	0.15	100	0.08	100	0.09	100	0.11	100	0.06	100	0.12	100
NO0655R	nitrate	mgN/L	0.03	100	0.26	100	0.07	100	0.09	100	0.20	99	0.09	100	0.07	100	0.20	100	0.17	100	0.07	98	0.09	100	0.06	100	0.10	100
SE0014R	nitrate	mgN/L	0.89	97	0.29	98	0.45	98	0.25	100	0.58	99	0.26	100	0.13	100	0.27	99	0.16	98	0.09	99	0.15	99	0.35	100	0.28	99
SE0020R	nitrate	mgN/L	0.76	100	0.56	100	0.62	81	-	7	0.56	100	0.28	100	0.15	100	0.20	100	0.17	100	0.16	100	0.35	100	0.39	100	0.32	94
BE0014R	precipitation_amount	mm	58	100	48	100	37	100	17	100	31	100	9	100	65	100	148	100	120	100	26	100	86	100	78	81	724	98
DE0001R	precipitation_amount	mm	30	100	44	100	33	100	29	100	40	100	85	100	85	100	79	100	192	100	116	100	97	100	78	100	909	100
DK0005R	precipitation_amount	mm	22	96	28	100	44	100	25	100	40	100	83	100	75	100	96	100	56	100	72	98	30	50	0	0	572	87
DK0008R	precipitation_amount	mm	15	96	29	100	39	100	33	100	23	98	29	52	74	100	71	100	123	100	85	100	44	100	66	98	633	95
DK0012R	precipitation_amount	mm	13	96	35	100	39	100	54	100	16	100	97	100	85	100	63	100	104	100	59	100	42	100	33	98	642	99
DK0022R	precipitation_amount	mm	48	96	72	100	52	100	53	100	24	100	48	100	95	100	103	100	108	100	106	100	81	100	93	98	883	99
ES0005R	precipitation_amount	mm	188	100	287	100	230	100	26	100	173	100	45	100	35	100	18	100	61	100	56	100	67	100	134	100	1320	100
ES0008R	precipitation_amount	mm	85	100	94	100	78	100	54	100	76	100	102	100	42	100	130	100	107	100	35	100	206	100	236	100	1247	100
ES0017R	precipitation_amount	mm	32	100	84	100	61	100	44	100	28	100	0	100	0	100	9	100	0	100	30	100	82	100	38	100	408	100
FR0015R	precipitation_amount	mm	39	100	76	100	122	100	12	100	58	100	81	100	50	100	47	100	80	100	27	100	29	100	131	100	751	100
GB0006R	precipitation_amount	mm	69	100	105	100	174	100	41	100	76	100	49	100	122	100	183	100	183	100	183	100	171	100	157	100	1514	100
GB0013R	precipitation_amount	mm	73	100	88	100	93	100	40	100	76	100	70	100	98	100	70	100	71	100	48	100	71	100	128	100	926	100
GB0014R	precipitation_amount	mm	50	100	70	100	51	100	27	100	80	100	95	100	81	100	78	100	135	100	93	100	66	100	65	100	890	100
GB0015R	precipitation_amount	mm	94	55	94	100	84	100	116	100	34	100	80	100	60	100	86	100	81	100	136	100	214	100	117	100	1196	96
GB0048R	precipitation_amount	mm	28	100	73	100	64	100	10	100	35	100	135	100	74	100	91	100	75	100	70	100	55	100	55	100	766	100
GB0054R	precipitation_amount	mm	63	100	93	100	57	100	37	100	34	55	79	100	98	100	100	100	91	100	67	100	85	100	57	100	860	96
GB1055R	precipitation_amount	mm	54	100	47	100	48	100	7	100	49	100	36	100	90	100	60	100	62	100	22	100	63	100	74	100	612	100
IE0001R	precipitation_amount	mm	219	100	144	94	80	83	75	100	100	100	172	100	139	100	146	71	359	71	224	92	124	100	178	71	1961	90
IE0005R	precipitation_amount	mm	32	100	49	100	35	58	11	93	82	100	52	77	50	100	36	77	91	100	55	100	47	100	55	87	593	91
IE0006R	precipitation_amount	mm	53	100	79	96	97	100	38	93	57	100	73	97	118	100	189	100	91	100	100	100	124	100	108	100	1127	99

			Jan		Febr		March		April		May		June		July		August		Sept.		Oct.		Nov.		Dec.		2017	
Code	**Comp**	**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**
IE0009R	precipitation_amount	mm	53	100	61	100	72	100	16	100	63	100	110	100	58	100	51	77	127	100	0	19	26	70	38	58	675	85
IS0002R	precipitation_amount	mm	439	58	184	83	145	39	257	49	199	48	79	48	112	42	95	32	182	55	64	50	82	27	149	35	1986	47
IS0091R	precipitation_amount	mm	152	100	208	100	70	100	203	100	95	100	51	100	95	100	59	100	153	100	65	100	128	100	97	84	1375	99
NL0091R	precipitation_amount	mm	7	100	42	100	48	100	29	100	33	100	49	100	103	100	70	100	152	100	65	100	109	100	102	100	809	100
NO0001R	precipitation_amount	mm	84	100	128	100	89	100	60	100	81	97	140	100	97	100	133	100	511	100	450	100	206	100	107	100	2088	100
NO0039R	precipitation_amount	mm	205	100	106	100	127	100	148	100	109	77	137	100	152	100	111	100	59	100	230	100	160	100	213	100	1758	98
NO0554R	precipitation_amount	mm	329	100	230	100	328	100	163	100	81	100	311	100	174	100	246	100	187	100	549	100	507	100	503	100	3607	100
NO0572R	precipitation_amount	mm	365	100	212	100	248	100	208	100	90	100	289	100	213	100	341	100	240	100	427	100	421	100	517	100	3570	100
NO0655R	precipitation_amount	mm	111	99	10	100	91	100	114	53	42	91	125	99	204	100	138	43	86	99	95	100	130	100	147	100	1293	90
SE0014R	precipitation_amount	mm	19	100	36	100	39	100	43	100	44	100	82	100	43	100	47	100	24	100	83	100	46	100	82	100	586	100
SE0020R	precipitation_amount	mm	39	100	51	100	43	100	47	100	33	100	82	100	53	100	99	100	104	100	132	100	98	100	135	100	916	100

Table A.2.2 : Wet deposition of nitrogen, 2017

Site	Comp	Unit	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	2017	Tot N
BE0014R	ammonium	mgN/m2	21	27	17	12	38	10	45	87	102	17	21	14	412	631
BE0014R	nitrate	mgN/m2	15	17	9	8	20	5	22	45	30	9	23	17	219	
DE0001R	ammonium	mgN/m2	32	25	18	15	34	63	48	34	61	60	33	30	451	760
DE0001R	nitrate	mgN/m2	15	21	14	12	15	35	28	21	40	45	31	32	309	
DK0005R	ammonium	mgN/m2	9	15	58	24	46	31	42	96	15	10	9	NaN	333	542
DK0005R	nitrate	mgN/m2	11	12	21	10	23	21	24	49	14	11	NaN	NaN	209	
DK0008R	ammonium	mgN/m2	6	10	24	18	20	28	23	29	20	18	13	11	219	419
DK0008R	nitrate	mgN/m2	9	13	20	9	17	15	16	19	23	23	15	21	200	
DK0012R	ammonium	mgN/m2	5	12	27	41	29	82	32	39	26	24	11	7	336	557
DK0012R	nitrate	mgN/m2	6	13	19	17	13	38	22	24	25	21	12	12	221	
DK0022R	ammonium	mgN/m2	19	35	27	26	15	44	36	49	39	38	23	27	373	639
DK0022R	nitrate	mgN/m2	19	30	20	11	8	24	24	31	30	26	18	25	266	
ES0005R	ammonium	mgN/m2	66	41	11	30	15	20	1	106	97	6	15	39	440	668
ES0005R	nitrate	mgN/m2	29	31	28	13	23	11	6	16	22	13	21	16	228	
ES0008R	ammonium	mgN/m2	13	24	15	27	26	39	14	19	17	18	16	14	242	735
ES0008R	nitrate	mgN/m2	13	181	22	19	28	41	16	40	42	12	36	44	493	
ES0017R	ammonium	mgN/m2	2	10	7	6	1	-	-	2	-	2	2	3	34	77
ES0017R	nitrate	mgN/m2	1	9	6	7	1	-	-	4	-	3	3	7	43	
FR0015R	ammonium	precip	18	27	36	14	38	28	17	26	25	16	15	26	285	389
FR0015R	nitrate	precip	7	9	15	4	15	10	7	10	8	5	5	10	104	
GB0006R	ammonium	mgN/m2	12	16	18	9	54	8	12	26	15	14	4	1	188	281
GB0006R	nitrate	mgN/m2	4	12	9	4	24	3	9	6	6	9	5	3	93	
GB0013R	ammonium	mgN/m2	20	32	12	-	35	3	19	9	17	8	14	10	190	334
GB0013R	nitrate	mgN/m2	13	21	9	-	20	8	17	8	8	8	12	14	145	
GB0014R	ammonium	mgN/m2	36	38	57	9	44	35	24	47	46	46	18	16	416	697
GB0014R	nitrate	mgN/m2	27	39	37	4	21	22	20	24	23	36	14	14	281	
GB0015R	ammonium	mgN/m2	0	2	4	3	15	35	3	3	2	7	1	0	75	135
GB0015R	nitrate	mgN/m2	2	7	5	4	8	3	3	6	4	8	6	3	60	
GB0048R	ammonium	mgN/m2	5	16	17	5	14	19	36	19	14	16	7	6	174	255
GB0048R	nitrate	mgN/m2	3	9	10	1	7	12	13	7	6	7	3	3	81	

Site	Comp	Unit	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	2017	Tot N
GB0054R	ammonium	mgN/m2	20	27	21	21	4	18	38	53	56	35	5	7	306	578
GB0054R	nitrate	mgN/m2	17	40	13	10	4	13	27	45	50	31	11	9	272	
GB1055R	ammonium	mgN/m2	27	21	24	9	25	16	34	31	35	21	25	20	287	433
GB1055R	nitrate	mgN/m2	14	9	9	2	12	12	15	13	17	10	22	11	146	
IE0001R	ammonium	mgN/m2	18	11	8	12	14	74	4	22	20	26	4	5	217	363
IE0001R	nitrate	mgN/m2	22	11	8	8	7	10	5	15	29	19	5	6	146	
IE0005R	ammonium	mgN/m2	6	10	5	10	21	4	10	2	5	7	19	11	110	145
IE0005R	nitrate	mgN/m2	3	5	2	3	10	1	3	0	1	2	2	2	35	
IE0006R	ammonium	mgN/m2	12	11	25	10	103	8	22	12	11	5	6	9	233	278
IE0006R	nitrate	mgN/m2	6	4	7	0	15	1	2	3	1	2	3	2	45	
IE0009R	ammonium	mgN/m2	15	21	20	8	23	15	10	7	28	-	6	4	158	231
IE0009R	nitrate	mgN/m2	8	10	6	2	14	11	5	3	10	-	2	3	74	
IS0002R	nitrate	mgN/m2	8	6	4	5	11	3	3	4	3	0	1	2	50	
IS0091R	ammonium	mgN/m2	48	198	36	189	31	11	61	53	21	16	14	12	690	843
IS0091R	nitrate	mgN/m2	11	17	5	51	16	7	24	5	8	2	4	4	153	
NL0091R	ammonium	mgN/m2	5	19	21	14	31	26	56	33	41	21	29	20	313	550
NL0091R	nitrate	mgN/m2	4	17	14	8	13	19	36	22	30	17	33	24	236	
NO0001R	ammonium	mgN/m2	22	36	19	11	102	65	10	25	196	101	47	19	611	1259
NO0001R	nitrate	mgN/m2	33	43	19	11	57	64	19	30	177	118	78	26	648	
NO0039R	ammonium	mgN/m2	10	5	9	13	28	14	5	8	5	15	7	6	111	186
NO0039R	nitrate	mgN/m2	4	5	4	6	21	10	5	5	4	11	7	5	75	
NO0554R	ammonium	mgN/m2	42	18	53	28	12	35	10	50	14	28	34	25	350	678
NO0554R	nitrate	mgN/m2	34	22	38	16	14	50	12	35	6	27	48	26	328	
NO0572R	ammonium	mgN/m2	68	32	67	53	30	82	35	54	11	45	33	54	564	985
NO0572R	nitrate	mgN/m2	40	30	40	34	18	49	24	52	19	39	45	31	421	
NO0655R	ammonium	mgN/m2	11	4	14	21	16	16	5	17	55	13	13	12	196	322
NO0655R	nitrate	mgN/m2	3	3	7	10	8	11	15	27	15	7	11	9	126	
SE0014R	ammonium	mgN/m2	12	11	21	17	35	26	5	20	5	6	4	16	177	344
SE0014R	nitrate	mgN/m2	16	11	17	10	25	21	6	13	4	8	7	28	167	
SE0020R	ammonium	mgN/m2	27	30	31	-	29	33	11	28	23	40	32	44	346	641
SE0020R	nitrate	mgN/m2	30	28	27	-	19	23	8	19	18	21	35	53	295	

Table A.2.3 : Concentrations of nitrogen compounds in air, 2017

				Jan.		Febr.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		2017	
Code	**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**
BE0001R	nitrogen_dioxide	air	µg N /m3	12.07	97	8.74	98	6.26	98	6.14	97	6.21	97	4.21	98	3.52	98	4.05	96	4.66	98	5.17	98	7.85	97	5.92	98	6.22	97
BE0011R	nitrogen_dioxide	air	µg N /m3	8.48	95	6.11	98	4.92	97	3.72	98	4.60	97	3.41	98	2.91	98	3.36	97	3.49	98	3.18	98	4.61	94	5.11	98	4.48	97
BE0013R	nitrogen_dioxide	air	µg N /m3	6.63	97	4.36	97	3.90	97	3.76	92	3.92	85	2.27	96	2.28	87	2.62	97	2.63	97	2.47	77	3.67	88	-	-	3.53	84
BE0032R	nitrogen_dioxide	air	µg N /m3	21.26	96	11.71	98	9.32	98	11.20	96	8.13	98	6.59	98	5.89	97	6.37	97	6.49	98	7.57	97	11.02	98	12.15	98	9.79	97
BE0035R	nitrogen_dioxide	air	µg N /m3	24.79	98	16.51	98	12.99	96	12.84	97	9.07	97	7.13	98	7.38	96	8.69	98	9.09	98	8.90	97	14.56	95	15.38	98	12.26	97
DE0001R	nitrogen_dioxide	air	µg N /m3	2.89	93	2.70	96	1.99	96	1.75	8	-	-	0.70	71	0.54	95	0.69	91	1.24	96	1.06	95	2.43	77	1.39	90	1.56	76
DK0005R	nitrogen_dioxide	air	µg N /m3	3.90	90	3.01	83	2.95	87	1.71	94	2.55	95	1.68	70	1.22	93	1.61	81	1.69	94	1.71	94	2.09	72	1.78	95	2.15	87
DK0008R	nitrogen_dioxide	air	µg N /m3	1.80	87	2.02	94	1.67	90	1.08	90	1.85	90	0.94	93	0.76	95	0.84	94	0.95	71	0.97	92	1.08	88	1.04	84	1.25	89
DK0012R	nitrogen_dioxide	air	µg N /m3	3.34	95	3.40	94	2.44	95	1.43	95	1.86	95	1.06	70	1.07	94	1.34	83	1.73	69	1.67	92	3.22	93	2.00	95	2.08	89
DK0031R	nitrogen_dioxide	air	µg N /m3	1.50	95	1.95	95	1.31	95	1.00	64	1.24	94	0.82	93	0.66	95	0.76	95	1.09	94	0.98	93	1.01	94	0.96	94	1.10	92
ES0005R	nitrogen_dioxide	air	µg N /m3	1.81	84	1.26	85	0.59	97	0.78	97	1.11	97	0.92	98	0.84	98	0.40	99	0.41	99	0.73	94	0.50	96	0.85	99	0.83	95
ES0008R	nitrogen_dioxide	air	µg N /m3	1.49	99	0.88	99	0.82	99	0.60	99	0.52	91	0.60	98	0.68	97	0.67	98	0.62	99	0.83	99	0.86	98	0.75	99	0.78	98
ES0017R	nitrogen_dioxide	air	µg N /m3	1.82	99	1.27	100	1.08	99	1.24	99	1.05	99	0.90	99	0.86	99	1.00	92	1.21	99	1.74	98	2.32	96	1.45	99	1.33	98
GB0013R	nitrogen_dioxide	air	µg N /m3	2.10	98	1.29	96	1.20	99	0.78	100	1.13	100	0.89	99	0.71	100	0.53	22	0.59	69	0.72	86	0.70	100	0.70	100	0.98	89
GB0014R	nitrogen_dioxide	air	µg N /m3	3.22	100	1.88	96	1.45	100	0.97	100	1.09	100	0.62	100	-	-	-	-	1.55	55	1.31	100	1.97	100	1.62	100	1.57	79
IE0001R	nitrogen_dioxide	air	µg N /m3	3.73	100	2.72	100	1.71	100	1.97	100	1.48	100	1.24	83	1.37	100	1.35	94	1.17	83	1.53	97	1.88	71	0.71	57	1.79	90
NL0007R	nitrogen_dioxide	air	µg N /m3	7.12	93	4.47	86	4.02	87	3.02	95	3.19	98	3.24	99	2.63	100	3.30	97	3.69	96	4.21	97	5.38	89	6.12	4	4.00	87
NL0009R	nitrogen_dioxide	air	µg N /m3	5.67	91	3.98	99	2.88	100	1.50	100	2.03	100	1.46	90	1.14	100	1.55	53	1.89	100	2.10	98	3.09	99	2.86	99	2.53	94
NL0010R	nitrogen_dioxide	air	µg N /m3	8.95	100	6.88	99	5.67	100	5.13	67	5.29	100	5.49	93	4.06	98	5.31	99	4.55	100	4.62	97	6.11	99	5.47	93	5.64	95
NL0091R	nitrogen_dioxide	air	µg N /m3	7.69	100	6.91	100	6.13	99	2.71	100	3.77	100	3.08	99	2.79	100	3.45	100	3.87	99	3.16	100	4.05	97	4.81	95	4.36	99
NL0644R	nitrogen_dioxide	air	µg N /m3	8.76	100	7.12	98	6.10	92	3.96	100	3.91	95	3.35	97	3.22	100	4.43	99	5.11	99	4.63	95	6.51	93	6.52	100	5.29	97
NO0002R	nitrogen_dioxide	air	µg N /m3	0.45	100	0.47	100	0.31	100	0.22	100	0.34	100	0.23	53	0.26	100	0.26	100	0.19	100	0.25	100	0.16	100	0.15	97	0.27	96
NO0039R	nitrogen_dioxide	air	µg N /m3	0.24	100	0.28	100	0.18	85	0.09	12	0.13	77	0.14	100	0.16	97	0.15	100	0.10	100	0.12	100	0.12	100	0.21	100	0.17	89
SE0014R	nitrogen_dioxide	air	µg N /m3	1.06	100	1.08	100	1.16	100	0.67	100	1.15	100	0.75	100	0.79	100	0.74	100	0.61	100	0.76	100	1.05	100	0.90	100	0.89	100
SE0020R	nitrogen_dioxide	air	µg N /m3	1.33	97	0.96	100	1.02	100	0.60	97	0.85	55	0.72	97	0.72	100	0.78	100	0.75	100	0.96	100	1.29	100	1.03	100	0.92	95
GB0006R	nitric_acid	air	µg N /m3	0.04	5	-	-	-	-	-	-	-	-	-	-	0.01	98	0.01	3	-	-	0.004	94	0.01	100	0.005	100	0.01	34
GB0013R	nitric_acid	air	µg N /m3	0.01	100	0.01	98	-	-	0.09	89	0.03	95	-	-	0.01	89	0.01	10	0.01	100	0.02	98	-	-	-	-	0.03	56
GB0014R	nitric_acid	air	µg N /m3	0.04	100	0.02	100	0.02	100	0.03	100	0.07	100	0.04	100	0.03	14	0.02	95	0.03	100	0.02	100	0.01	100	0.00	100	0.03	92
GB0048R	nitric_acid	air	µg N /m3	0.03	93	0.03	20	0.02	93	0.03	81	0.04	90	0.02	87	0.02	84	0.01	63	0.02	26	0.01	68	0.01	87	0.01	94	0.02	74
GB0054R	nitric_acid	air	µg N /m3	0.04	100	0.02	100	0.01	100	0.01	100	0.03	100	0.06	68	-	-	-	-	-	59	0.01	100	0.00	100	0.00	100	0.02	77
GB1055R	nitric_acid	air	µg N /m3	0.03	98	0.04	97	0.03	97	0.05	97	0.04	93	0.05	75	0.04	10	0.03	71	0.03	57	0.02	75	0.04	97	0.03	83	0.04	79
NO0002R	nitric_acid	air	µg N /m3	0.07	100	0.04	100	0.02	100	0.02	100	0.04	77	0.04	53	0.06	100	0.04	100	0.01	100	0.01	100	0.01	100	0.01	100	0.03	94
NO0039R	nitric_acid	air	µg N /m3	0.01	100	0.01	100	0.01	100	0.01	100	0.01	77	0.01	100	0.02	97	0.01	100	0.01	100	0.01	100	0.01	100	0.01	100	0.01	98
NO0042G	nitric_acid	air	µg N /m3	0.01	100	0.01	100	0.01	100	0.01	100	0.01	94	0.02	100	0.03	97	0.01	100	0.02	100	0.01	100	0.01	100	0.01	100	0.02	99
SE0014R	nitric_acid	air	µg N /m3	0.13	100	0.15	100	0.07	100	0.07	100	0.17	97	0.10	93	0.10	100	0.11	97	0.07	97	0.06	94	0.05	100	0.06	97	0.09	98
SE0020R	nitric_acid	air	µg N /m3	0.16	100	0.21	100	0.13	100	0.11	100	0.19	97	0.12	100	0.09	100	0.09	94	0.11	97	0.05	100	0.07	100	0.06	100	0.12	99
DE0001R	nitrate	pm25	µg N /m3	0.68	16	0.94	18	0.74	16	0.14	13	0.16	16	0.12	17	0.11	16	0.03	19	0.34	17	0.15	16	0.11	17	0.25	16	0.31	16
ES0005R	nitrate	pm10	µg N /m3	0.23	81	0.16	75	0.20	55	0.26	87	0.19	77	0.19	97	0.10	87	0.15	100	0.10	97	0.19	81	0.18	90	0.16	88	0.17	84
ES0008R	nitrate	pm10	µg N /m3	0.35	100	0.21	100	0.41	97	0.51	100	0.27	100	0.18	97	0.20	90	0.25	90	0.20	98	0.34	99	0.19	100	0.16	97	0.27	97
ES0008R	nitrate	pm25	µg N /m3	0.27	16	0.12	18	0.19	16	0.14	17	0.04	16	0.01	17	0.01	15	0.03	17	0.03	17	0.06	16	0.09	17	0.05	16	0.09	16
ES0017R	nitrate	pm10	µg N /m3	0.45	90	0.38	93	0.37	87	0.47	87	0.46	94	0.50	90	0.40	97	0.48	90	0.47	100	0.46	87	0.52	93	0.36	97	0.44	92
GB0006R	nitrate	aerosol	µg N /m3	0.25	5	-	-	-	-	-	-	0.21	91	0.21	29	0.37	98	0.37	3	0.12	82	0.07	100	0.33	100	0.07	100	0.20	51
GB0013R	nitrate	aerosol	µg N /m3	0.71	100	0.17	98	-	-	0.07	89	0.23	100	0.09	100	0.06	100	0.16	10	0.17	100	0.05	98	-	-	0.44	86	0.22	73

				Jan.		Febr.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		2017	
Code	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
GB0014R	nitrate	aerosol	µg N /m3	0.90	100	0.60	100	0.54	100	0.38	100	0.33	100	0.38	100	0.39	14	0.14	95	0.41	100	0.38	100	0.31	100	0.18	100	0.41	92
GB0048R	nitrate	pm10	µg N /m3	0.55	92	0.36	26	0.28	91	0.31	80	0.54	89	0.13	86	0.17	83	0.15	56	0.42	25	0.17	62	0.08	78	0.15	92	0.27	72
GB0048R	nitrate	pm25	µg N /m3	0.55	92	0.23	16	0.25	93	0.24	85	0.39	90	0.10	87	0.12	84	0.14	62	0.41	26	0.14	66	0.07	86	0.14	94	0.23	74
GB0054R	nitrate	aerosol	µg N /m3	-	-	-	-	0.21	99	0.20	100	0.42	100	0.23	68	-	-	-	-	0.12	59	0.08	100	0.04	100	0.08	100	0.17	61
GB1055R	nitrate	pm10	µg N /m3	1.08	96	0.98	94	0.95	96	0.96	94	0.82	92	0.60	84	0.20	10	0.41	69	1.01	56	0.60	68	0.54	96	0.40	83	0.76	78
GB1055R	nitrate	pm25	µg N /m3	0.96	98	0.87	94	0.83	96	0.88	97	0.70	93	0.47	74	0.14	10	0.28	70	0.73	57	0.39	74	0.38	97	0.30	83	0.63	78
IE0005R	nitrate	aerosol	µg N /m3	0.51	100	0.36	100	0.33	100	0.29	100	0.59	100	0.15	100	0.13	100	0.08	100	0.11	97	0.15	100	0.16	100	0.11	100	0.25	100
IE0006R	nitrate	aerosol	µg N /m3	0.10	77	0.13	93	0.20	94	0.10	83	0.45	97	0.11	100	0.11	100	0.05	90	0.09	100	0.06	100	0.03	100	0.05	100	0.12	95
IE0008R	nitrate	aerosol	µg N /m3	0.42	100	0.35	100	0.33	100	0.37	100	0.65	100	0.19	100	0.19	100	0.13	97	0.13	100	0.19	100	0.16	100	0.09	100	0.27	100
IS0091R	nitrate	aerosol	µg N /m3	0.01	100	0.01	100	0.03	100	0.05	100	0.19	50	0.04	58	0.03	56	0.03	98	0.03	100	0.04	100	0.01	100	0.01	100	0.03	88
NL0010R	nitrate	pm10	µg N /m3	1.67	48	2.16	39	1.34	39	1.43	40	0.93	48	0.65	50	0.61	52	0.99	42	1.09	50	0.80	52	1.28	50	0.84	48	1.11	47
NL0091R	nitrate	pm10	µg N /m3	1.16	39	1.65	50	1.35	49	1.09	50	0.74	51	0.55	50	0.35	49	0.67	51	0.67	50	0.53	49	0.67	47	0.61	51	0.83	49
NO0002R	nitrate	aerosol	µg N /m3	0.18	100	0.11	100	0.10	100	0.14	100	0.12	77	0.10	53	0.18	100	0.15	100	0.10	100	0.07	100	0.08	100	0.04	100	0.12	94
NO0039R	nitrate	aerosol	µg N /m3	0.01	100	0.02	100	0.01	100	0.02	100	0.05	77	0.03	100	0.04	100	0.03	100	0.02	100	0.01	100	0.01	100	0.01	100	0.02	98
NO0042G	nitrate	aerosol	µg N /m3	0.02	100	0.02	100	0.02	100	0.02	100	0.02	94	0.02	100	0.02	100	0.01	100	0.04	100	0.03	100	0.02	100	0.01	100	0.02	99
SE0014R	nitrate	aerosol	µg N /m3	0.54	100	0.34	100	0.48	100	0.46	100	0.30	100	0.28	97	0.25	100	0.27	100	0.12	100	0.17	97	0.21	100	0.21	97	0.30	99
SE0020R	nitrate	aerosol	µg N /m3	0.61	100	0.35	100	0.49	100	0.38	100	0.21	100	0.28	100	0.17	100	0.24	97	0.16	100	0.22	100	0.29	100	0.22	100	0.30	100
GB0006R	sum_nitric_acid_and_ nitrate	air+aero sol	µg N /m3	0.30	5	-	-	-	-	-	-	-	-	-	-	0.39	98	0.39	3	-	-	0.07	94	0.34	100	0.08	100	0.21	34
GB0013R	sum_nitric_acid_and_ nitrate	air+aero sol	µg N /m3	0.73	100	0.19	98	-	-	0.17	89	0.26	95	-	-	0.07	89	0.17	10	0.18	100	0.06	98	-	-	-	-	0.25	56
GB0014R	sum_nitric_acid_and_ nitrate	air+aero sol	µg N /m3	0.95	100	0.62	100	0.55	100	0.41	100	0.39	100	0.42	100	0.43	14	0.16	95	0.44	100	0.39	100	0.32	100	0.18	100	0.44	92
GB0048R	sum_nitric_acid_and_ nitrate	air+pm1 0	µg N /m3	0.58	93	0.39	20	0.31	93	0.34	81	0.59	90	0.15	87	0.18	84	0.16	63	0.44	26	0.18	68	0.09	87	0.16	94	0.29	74
GB0054R	sum_nitric_acid_and_ nitrate	air+aero sol	µg N /m3	-	-	-	-	0.22	100	0.21	100	0.45	100	0.29	68	-	-	-	-	-	59	0.09	100	0.05	100	0.08	100	0.19	77
GB1055R	sum_nitric_acid_and_ nitrate	air+aero sol	µg N /m3	1.11	98	1.02	97	0.99	97	1.00	97	0.86	93	0.65	75	0.24	10	0.44	71	1.04	57	0.62	75	0.58	97	0.42	83	0.80	79
DK0003R	sum_nitric_acid_and_ nitrate	air+aero sol	µg N /m3	0.99	97	0.87	96	0.72	84	0.51	97	0.70	100	0.52	100	0.32	100	0.40	100	0.39	100	0.48	97	0.33	100	0.37	100	0.54	98
DK0008R	sum_nitric_acid_and_ nitrate	air+aero sol	µg N /m3	0.88	100	0.71	100	0.73	100	0.44	83	0.72	100	0.48	100	0.35	90	0.47	94	0.29	93	0.27	94	0.34	100	0.34	100	0.51	96
DK0012R	sum_nitric_acid_and_ nitrate	air+aero sol	µg N /m3	1.30	94	1.06	100	0.99	100	0.64	93	0.83	97	0.51	83	0.39	100	0.60	97	0.49	90	0.49	97	0.57	100	0.54	100	0.70	96
ES0005R	sum_nitric_acid_and_ nitrate	air+aero sol	µg N /m3	0.28	100	0.25	86	0.17	100	0.33	100	0.26	100	0.22	100	0.19	100	0.20	100	0.13	100	0.20	97	0.24	100	0.21	97	0.22	98
ES0008R	sum_nitric_acid_and_ nitrate	air+aero sol	µg N /m3	0.61	100	0.64	100	0.51	100	0.80	100	0.56	100	0.54	100	0.42	94	0.32	100	0.31	100	0.54	100	0.35	100	0.27	100	0.49	99
ES0017R	sum_nitric_acid_and_ nitrate	air+aero sol	µg N /m3	0.58	100	0.56	96	0.42	97	0.68	100	0.59	100	0.71	93	0.52	100	0.59	98	0.55	99	0.45	100	0.60	97	0.49	100	0.56	98
IE0001R	sum_nitric_acid_and_ nitrate	air+aero sol	µg N /m3	0.34	79	0.31	96	0.27	69	0.31	89	0.49	90	0.20	87	0.20	71	0.12	81	0.12	87	0.16	84	0.13	90	0.12	68	0.24	82
NO0002R	sum_nitric_acid_and_ nitrate	air+aero sol	µg N /m3	0.25	100	0.15	100	0.11	100	0.16	100	0.16	77	0.14	53	0.24	100	0.19	100	0.12	100	0.08	100	0.10	100	0.05	100	0.15	94
NO0039R	sum_nitric_acid_and_ nitrate	air+aero sol	µg N /m3	0.03	100	0.03	100	0.03	100	0.04	100	0.06	77	0.05	100	0.06	97	0.04	100	0.03	100	0.03	100	0.02	100	0.02	100	0.04	98

				Jan.		Febr.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		2017	
Code	**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**
NO0042G	sum_nitric_acid_and_nitrate	air+aerosol	µg N /m3	0.04	100	0.03	100	0.03	100	0.03	100	0.03	94	0.04	100	0.05	97	0.03	100	0.06	100	0.04	100	0.03	100	0.03	100	0.04	99
SE0014R	sum_nitric_acid_and_nitrate	air+aerosol	µg N /m3	0.66	100	0.48	100	0.56	100	0.53	100	0.47	97	0.38	93	0.35	100	0.37	97	0.19	97	0.23	97	0.27	100	0.27	97	0.40	98
SE0020R	sum_nitric_acid_and_nitrate	air+aerosol	µg N /m3	0.76	100	0.56	100	0.62	100	0.49	100	0.39	100	0.39	100	0.26	100	0.34	97	0.28	97	0.28	100	0.36	100	0.29	100	0.42	99
BE0014R	ammonia	air	µg N /m3	2.43	100	2.79	100	3.31	100	4.36	100	3.37	100	3.35	100	2.56	100	2.08	100	2.57	100	3.29	100	1.13	100	0.31	81	2.66	98
DE0001R	ammonia	air	µg N /m3	0.71	100	1.02	100	0.86	100	1.14	100	1.50	100	1.43	100	1.42	100	1.14	100	0.91	100	0.74	100	0.56	100	0.50	100	1.00	100
DK0003R	ammonia	air	µg N /m3	0.50	97	0.37	100	1.00	84	1.54	97	1.77	100	1.17	100	1.17	97	0.99	100	0.65	100	0.70	97	0.55	97	0.46	100	0.91	97
DK0008R	ammonia	air	µg N /m3	0.05	100	0.08	100	0.24	100	0.39	83	0.22	100	0.28	100	0.22	94	0.25	94	0.14	93	0.10	94	0.09	100	0.06	100	0.17	96
DK0012R	ammonia	air	µg N /m3	0.17	94	0.39	100	0.99	100	1.17	90	0.91	97	0.71	83	0.69	100	0.95	100	0.52	93	0.45	100	0.37	100	0.22	100	0.63	96
ES0008R	ammonia	air	µg N /m3	0.71	84	0.44	86	0.56	87	0.85	87	0.55	84	0.57	87	1.12	85	0.75	86	0.72	87	0.81	84	0.79	87	0.50	87	0.70	86
GB0006R	ammonia	air	µg N /m3	0.29	5	-	-	-	-	-	-	0.69	91	0.69	29	0.34	98	0.34	3	0.26	82	0.22	100	0.15	100	0.13	100	0.31	51
GB0013R	ammonia	air	µg N /m3	0.05	100	0.07	98	-	-	0.17	89	0.33	100	0.13	100	0.07	100	0.18	10	0.20	100	0.08	98	-	-	0.23	86	0.15	73
GB0014R	ammonia	air	µg N /m3	0.16	100	0.34	100	0.81	100	1.36	100	0.88	100	0.66	100	0.59	14	0.44	95	0.70	100	0.70	34	0.44	75	0.19	100	0.61	85
GB0048R	ammonia	air	µg N /m3	0.94	93	0.53	18	1.07	94	1.14	72	2.02	86	0.85	86	0.93	83	1.00	62	1.77	25	0.67	53	0.60	82	1.32	90	1.09	71
GB0054R	ammonia	air	µg N /m3	-	0	0.15	98	0.23	100	0.39	100	0.42	100	0.34	68	-	-	0.16	50	0.15	100	0.14	100	0.11	100	0.11	100	0.22	76
GB1055R	ammonia	air	µg N /m3	3.75	98	3.36	96	7.80	95	7.52	94	6.15	94	4.56	97	3.76	10	5.91	72	5.04	78	5.19	64	4.10	97	3.17	90	5.12	82
NO0002R	ammonia	air	µg N /m3	0.10	100	0.08	97	0.07	99	0.13	100	0.23	77	0.16	53	0.27	100	0.49	100	0.09	100	0.05	100	0.03	100	0.03	100	0.14	94
NO0039R	ammonia	air	µg N /m3	0.38	100	0.64	100	0.49	100	0.32	100	0.24	77	0.30	100	0.28	100	0.38	100	0.16	100	0.12	100	0.20	100	0.38	100	0.32	98
NO0042G	ammonia	air	µg N /m3	0.04	100	0.10	100	0.11	100	0.34	100	0.05	94	0.08	100	0.32	100	0.18	100	0.16	100	0.05	100	0.04	100	0.06	100	0.13	99
SE0014R	ammonia	air	µg N /m3	0.09	100	0.16	100	0.22	100	0.36	100	0.41	100	0.38	97	0.33	100	0.40	94	0.25	97	0.21	100	0.11	100	0.10	94	0.25	98
SE0020R	ammonia	air	µg N /m3	0.12	100	0.24	100	0.60	100	0.68	100	0.74	100	0.57	100	0.42	100	0.54	94	0.33	93	0.23	100	0.16	100	0.13	100	0.40	99
DE0001R	ammonium	pm25	µg N /m3	0.99	16	1.85	18	0.81	16	0.21	13	0.48	16	0.32	17	0.46	16	0.21	19	0.76	17	0.20	16	0.15	17	0.35	16	0.57	16
DK0003R	ammonium	aerosol	µg N /m3	1.20	97	1.27	96	0.79	84	0.63	97	1.06	100	0.75	100	0.48	100	0.48	100	0.54	100	0.56	97	0.38	100	0.40	100	0.70	98
DK0008R	ammonium	aerosol	µg N /m3	1.02	100	1.06	100	0.67	98	0.51	82	1.03	90	0.56	100	0.39	94	0.48	94	0.37	93	0.31	94	0.34	100	0.30	100	0.59	95
DK0012R	ammonium	aerosol	µg N /m3	1.52	94	1.43	100	1.03	100	0.78	93	1.17	97	0.74	83	0.69	97	0.67	100	0.63	90	0.66	100	0.64	100	0.57	100	0.88	96
ES0008R	ammonium	pm10	µg N /m3	0.45	16	0.31	18	0.51	16	0.51	17	0.24	16	0.60	17	0.38	15	0.13	17	0.17	17	0.17	16	0.16	17	0.08	16	0.31	16
ES0008R	ammonium	pm25	µg N /m3	0.26	16	0.21	18	0.29	16	0.38	17	0.14	16	0.30	17	0.16	15	0.03	17	0.05	17	0.05	16	0.07	17	0.05	16	0.16	16
GB0006R	ammonium	aerosol	µg N /m3	0.38	5	-	-	-	-	-	0	0.29	91	0.29	29	0.60	98	0.60	3	0.78	82	0.17	100	0.40	100	0.09	100	0.37	51
GB0013R	ammonium	aerosol	µg N /m3	0.86	100	0.28	98	-	-	0.25	89	0.33	100	0.18	100	0.17	100	0.30	10	0.32	100	0.06	98	-	-	0.53	86	0.33	73
GB0014R	ammonium	aerosol	µg N /m3	1.20	100	0.91	100	0.77	100	0.61	100	0.75	100	0.73	100	0.73	14	0.38	95	0.63	100	0.85	100	0.57	100	0.26	100	0.70	92
GB0048R	ammonium	pm10	µg N /m3	0.76	90	0.71	18	0.41	81	0.46	69	0.72	53	0.30	80	0.36	75	0.30	22	0.67	21	0.19	24	0.14	66	0.15	31	0.44	53
GB0048R	ammonium	pm25	µg N /m3	0.83	79	-	-	0.34	91	0.40	73	0.75	59	0.30	82	0.33	78	0.25	26	0.74	23	0.19	24	0.13	69	0.13	21	0.42	52
GB0054R	ammonium	aerosol	µg N /m3	-	-	-	-	0.22	99	0.35	100	0.62	100	0.43	68	-	-	-	-	-	-	0.11	66	0.07	100	0.09	100	0.27	53
GB1055R	ammonium	pm10	µg N /m3	1.14	96	1.31	93	1.20	95	1.15	90	1.10	92	0.83	91	0.37	10	0.59	69	1.00	77	0.67	58	0.56	96	0.34	90	0.91	80
GB1055R	ammonium	pm25	µg N /m3	1.03	97	1.20	93	1.13	95	1.17	94	1.07	93	0.76	97	0.36	10	0.50	72	0.79	77	0.51	61	0.41	97	0.24	90	0.81	81
IE0005R	ammonium	aerosol	µg N /m3	0.81	100	0.68	100	0.50	100	0.54	100	0.90	100	0.39	100	0.36	100	0.25	100	0.26	97	0.36	100	0.30	100	0.31	100	0.47	100
IE0006R	ammonium	aerosol	µg N /m3	0.24	74	0.29	86	0.36	94	0.29	83	0.69	97	0.28	100	0.29	100	0.21	90	0.26	100	0.18	100	0.15	100	0.19	100	0.29	94
IE0008R	ammonium	aerosol	µg N /m3	0.61	100	0.58	100	0.46	100	0.54	100	0.91	100	0.38	100	0.42	100	0.24	97	0.26	100	0.38	100	0.26	100	0.24	100	0.44	100
NL0010R	ammonium	pm10	µg N /m3	2.31	48	3.20	39	1.27	39	1.41	40	1.01	48	0.56	50	0.61	52	1.07	42	1.19	50	0.69	52	1.50	50	0.94	48	1.26	47
NL0091R	ammonium	pm10	µg N /m3	1.46	39	2.21	50	1.11	49	0.89	50	0.69	51	0.35	50	0.22	49	0.50	51	0.63	50	0.30	49	0.58	47	0.51	51	0.77	49
NO0002R	ammonium	aerosol	µg N /m3	0.21	100	0.22	97	0.09	99	0.18	100	0.20	77	0.11	50	0.16	100	0.13	100	0.14	100	0.04	100	0.06	100	0.03	100	0.13	94
NO0039R	ammonium	aerosol	µg N /m3	0.01	100	0.04	100	0.03	100	0.04	100	0.06	77	0.03	100	0.07	100	0.01	100	0.06	100	0.01	100	0.01	100	0.01	100	0.03	98
NO0042G	ammonium	aerosol	µg N /m3	0.03	100	0.03	100	0.04	100	0.04	100	0.04	94	0.03	100	0.03	100	0.02	100	0.02	100	0.02	100	0.02	100	0.01	100	0.03	99

				Jan.		Febr.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		2017	
Code	**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**
SE0014R	ammonium	aerosol	µg N /m3	0.60	100	0.76	100	0.35	100	0.39	100	0.33	100	0.17	97	0.16	100	0.13	100	0.15	100	0.12	100	0.13	100	0.08	97	0.28	99
SE0020R	ammonium	aerosol	µg N /m3	0.83	100	0.83	100	0.39	100	0.33	100	0.31	100	0.18	100	0.13	100	0.24	97	0.18	100	0.23	100	0.24	100	0.12	100	0.33	100
DE0001R	sum_ammonia_and_ammonium	air+pm25	µg N /m3	1.70	100	2.87	100	1.66	100	1.35	100	1.97	100	1.75	100	1.89	100	1.34	100	1.67	100	0.94	100	0.71	100	0.86	100	1.56	100
DK0003R	sum_ammonia_and_ammonium	air+aerosol	µg N /m3	1.70	97	1.63	100	1.79	84	2.17	97	2.82	100	1.92	100	1.65	97	1.47	100	1.19	100	1.26	97	0.92	97	0.86	100	1.61	97
DK0008R	sum_ammonia_and_ammonium	air+aerosol	µg N /m3	1.07	100	1.14	100	0.91	100	0.90	83	1.25	100	0.84	100	0.61	94	0.73	94	0.51	93	0.42	94	0.43	100	0.36	100	0.76	96
DK0012R	sum_ammonia_and_ammonium	air+aerosol	µg N /m3	1.69	94	1.82	100	2.03	100	1.95	90	2.08	97	1.44	83	1.38	100	1.63	100	1.15	93	1.11	100	1.02	100	0.78	100	1.50	96
ES0008R	sum_ammonia_and_ammonium	air+pm10	µg N /m3	1.16	84	0.75	86	1.07	87	1.36	87	0.79	84	1.17	87	1.51	85	0.87	86	0.89	87	0.97	84	0.95	87	0.58	87	1.01	86
GB0006R	sum_ammonia_and_ammonium	air+aerosol	µg N /m3	0.67	5	-	-	-	-	-	-	0.98	91	0.98	29	0.94	98	0.94	3	1.04	82	0.39	100	0.55	100	0.22	100	0.69	51
GB0013R	sum_ammonia_and_ammonium	air+aerosol	µg N /m3	0.91	100	0.34	98	-	-	0.42	89	0.66	100	0.31	100	0.23	100	0.48	10	0.51	100	0.14	98	-	-	0.76	86	0.48	73
GB0014R	sum_ammonia_and_ammonium	air+aerosol	µg N /m3	1.36	100	1.25	100	1.57	200	1.98	100	1.63	100	1.39	100	1.32	14	0.82	95	1.33	100	1.55	34	1.01	75	0.45	100	1.30	85
GB0048R	sum_ammonia_and_ammonium	air+pm10	µg N /m3	1.70	93	1.24	18	1.48	175	1.60	72	2.74	86	1.16	86	1.29	83	1.30	62	2.44	25	0.85	53	0.75	82	1.48	90	1.52	71
GB0054R	sum_ammonia_and_ammonium	air+aerosol	µg N /m3	-	-	-	-	0.45	100	0.74	100	1.04	100	0.77	68	-	-	-	-	-	-	0.25	100	0.18	100	0.21	100	0.49	76
GB1055R	sum_ammonia_and_ammonium	air+aerosol	µg N /m3	4.89	98	4.66	96	9.00	95	8.67	94	7.25	94	5.39	97	4.14	10	6.50	72	6.04	78	5.86	64	4.66	97	3.51	90	6.03	82
ES0005R	sum_ammonia_and_ammonium	air+aerosol	µg N /m3	0.25	97	0.27	79	0.37	100	0.92	100	0.72	100	0.90	100	0.60	100	0.63	100	0.29	100	1.10	100	0.41	97	0.31	100	0.57	98
ES0008R	sum_ammonia_and_ammonium	air+aerosol	µg N /m3	0.91	100	0.66	100	1.12	100	1.29	100	1.09	100	1.06	100	1.04	94	1.35	100	1.13	100	1.76	100	0.96	100	0.63	100	1.09	99
ES0017R	sum_ammonia_and_ammonium	air+aerosol	µg N /m3	1.32	100	1.20	96	1.26	90	1.75	97	1.22	100	1.80	93	1.52	100	1.68	100	1.24	97	1.84	100	1.48	97	1.23	100	1.46	98
IE0001R	sum_ammonia_and_ammonium	air+aerosol	µg N /m3	0.81	79	0.69	96	0.95	69	1.05	89	1.36	90	0.76	87	0.71	71	0.43	81	0.43	67	0.60	84	0.69	90	0.57	68	0.77	81
NO0002R	sum_ammonia_and_ammonium	air+aerosol	µg N /m3	0.31	100	0.30	97	0.16	99	0.31	100	0.44	77	0.24	50	0.44	100	0.62	100	0.23	100	0.10	100	0.10	100	0.05	100	0.27	94
NO0039R	sum_ammonia_and_ammonium	air+aerosol	µg N /m3	0.40	100	0.67	100	0.52	100	0.36	100	0.30	77	0.33	100	0.34	100	0.39	100	0.23	100	0.14	100	0.21	100	0.38	100	0.36	98
NO0042G	sum_ammonia_and_ammonium	air+aerosol	µg N /m3	0.07	100	0.12	100	0.15	100	0.37	100	0.09	94	0.10	100	0.36	100	0.20	100	0.19	100	0.08	100	0.06	100	0.08	100	0.16	99
SE0014R	sum_ammonia_and_ammonium	air+aerosol	µg N /m3	0.69	100	0.92	100	0.58	100	0.75	100	0.74	100	0.55	97	0.49	100	0.51	97	0.40	97	0.33	100	0.25	100	0.18	94	0.53	99
SE0020R	sum_ammonia_and_ammonium	air+aerosol	µg N /m3	0.95	100	1.08	100	0.99	100	1.01	100	1.05	100	0.75	100	0.55	100	0.79	94	0.50	93	0.45	100	0.40	100	0.25	100	0.73	99

Table A.2.4 : Concentrations of heavy metals in precipitation, 2017

				Jan.		Febr.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		2017	
Code	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	precip	ug/L	0.035	100	0.086	100	0.085	98	0.126	96	0.063	98	0.148	93	0.048	100	0.059	100	0.047	100	0.105	98	0.103	100	0.036	100	0.061	100
DE0001R	arsenic	precip	ug/L	0.056	91	0.054	100	0.045	100	0.048	100	0.041	99	0.062	100	0.032	100	0.040	100	0.035	100	0.071	100	0.044	100	0.035	100	0.046	100
DK0005R	arsenic	precip	ug/L	0.080	100	0.159	100	0.118	100	0.121	100	0.111	100	0.057	100	0.057	8	0.080	100	0.076	100	0.044	100	0.042	100	0.042	100	0.078	98
DK0008R	arsenic	precip	ug/L	0.591	100	0.950	100	0.436	100	0.320	100	0.282	100	0.227	100	0.021	100	0.168	100	0.129	100	0.154	100	0.175	100	0.224	100	0.219	100
DK0012R	arsenic	precip	ug/L	0.085	100	0.098	100	0.090	100	0.024	100	0.244	100	0.088	100	0.022	100	0.077	100	0.045	100	0.095	100	0.055	100	0.032	100	0.066	100
DK0022R	arsenic	precip	ug/L	0.049	100	0.076	100	0.083	100	0.065	100	0.137	100	0.087	100	0.048	100	0.115	100	0.072	100	0.072	100	0.065	100	0.039	100	0.072	100
ES0008R	arsenic	precip	ug/L	0.064	100	0.120	100	0.082	100	0.085	100	0.085	100	0.084	100	0.108	100	0.099	100	0.083	100	0.141	100	0.075	100	0.069	100	0.085	100
FR0090R	arsenic	precip	ug/L	0.110	100	0.205	100	0.132	100	0.248	100	0.327	100	0.291	100	0.069	100	0.147	100	0.138	100	0.099	100	0.102	100	0.106	100	0.164	100
GB0006R	arsenic	precip	ug/L	-	0	0.069	100	0.076	100	0.125	100	0.158	100	0.126	100	0.108	100	0.121	100	0.121	100	0.075	100	0.072	13	-	0	0.104	89
GB0013R	arsenic	precip	ug/L	0.068	12	0.102	100	0.093	100	0.090	100	0.048	100	0.036	80	0.067	87	0.041	100	0.048	100	0.087	99	0.078	99	0.090	100	0.074	91
GB0017R	arsenic	precip	ug/L	0.153	100	0.199	100	0.189	100	0.129	5	0.105	91	0.105	11	0.087	96	0.081	100	0.077	100	0.077	9	0.133	95	0.088	100	0.115	84
GB0048R	arsenic	precip	ug/L	0.104	100	0.114	100	0.071	100	0.097	84	0.052	93	0.031	100	0.049	100	0.026	100	0.038	100	0.064	100	0.042	100	0.063	98	0.056	99
GB1055R	arsenic	precip	ug/L	0.071	100	0.102	61	0.065	100	0.092	63	0.075	60	0.089	98	0.034	97	0.055	100	0.074	100	0.075	80	0.082	100	0.072	100	0.069	92
IE0001R	arsenic	precip	ug/L	0.18	100	0.21	100	0.25	100	0.24	100	0.10	100	0.12	100	0.14	100	0.19	100	0.06	100	-0.02	100	0.02	100	-0.29	100	0.078	100
IS0091R	arsenic	precip	ug/L	-0.043	100	-0.045	100	-0.045	100	-0.045	100	-0.045	100	0.113	100	0.172	100	0.271	100	-0.045	100	-0.045	100	-0.045	100	-0.045	100	-0.013	100
NL0010R	arsenic	precip	ug/L	0.073	100	0.119	100	0.092	100	0.396	100	0.271	47	0.233	59	0.062	68	0.256	7	0.112	96	0.144	100	0.172	100	0.034	100	0.124	84
NL0091R	arsenic	precip	ug/L	0.064	100	0.055	100	0.039	100	0.048	100	0.048	100	0.084	100	0.066	100	0.052	100	0.035	100	0.064	100	0.104	100	0.038	100	0.054	100
NO0001R	arsenic	precip	ug/L	0.147	100	0.278	100	0.055	100	0.052	99	0.112	100	0.070	100	0.060	100	0.049	100	0.138	100	0.045	100	0.061	100	0.045	100	0.094	100
SE0014R	arsenic	precip	ug/L	0.134	100	0.092	100	0.120	100	0.232	100	0.067	100	0.234	100	0.082	100	0.128	100	0.070	100	0.051	100	0.050	100	0.050	100	0.100	100
SE0020R	arsenic	precip	ug/L	0.131	100	0.088	100	0.050	100	0.057	100	0.120	100	0.109	100	0.050	100	0.050	100	0.050	100	0.054	100	0.107	100	0.050	100	0.070	100
BE0014R	cadmium	precip	ug/L	0.013	100	0.059	100	0.026	98	0.030	96	0.032	98	0.050	93	0.018	100	0.018	100	0.035	100	0.023	98	0.025	100	0.011	100	0.025	100
DE0001R	cadmium	precip	ug/L	0.015	91	0.014	100	0.011	100	0.008	100	0.010	99	0.013	100	0.008	100	0.009	100	0.007	100	0.010	100	0.009	100	0.011	100	0.010	100
DK0005R	cadmium	precip	ug/L	0.033	100	0.023	100	0.032	100	0.096	100	0.077	100	0.014	100	0.014	8	0.018	100	0.023	100	0.009	100	0.010	100	0.010	100	0.026	98
DK0008R	cadmium	precip	ug/L	0.101	100	0.032	100	0.025	100	0.015	100	0.034	100	0.014	100	0.011	100	0.014	100	0.006	100	0.013	100	0.017	100	0.010	100	0.016	100
DK0012R	cadmium	precip	ug/L	0.033	100	0.030	100	0.020	100	0.022	100	0.096	100	0.077	100	0.018	100	0.038	100	0.013	100	0.028	100	0.021	100	0.016	100	0.032	100
DK0022R	cadmium	precip	ug/L	0.030	100	0.022	100	0.022	100	0.012	100	0.024	100	0.014	100	0.011	100	0.040	100	0.018	100	0.009	100	0.011	100	0.008	100	0.017	100
ES0008R	cadmium	precip	ug/L	0.066	100	0.059	100	0.035	100	0.029	100	0.070	100	0.056	100	0.045	100	0.023	100	0.047	100	0.107	100	0.056	100	0.066	100	0.054	100
FR0090R	cadmium	precip	ug/L	0.055	100	0.034	100	0.037	100	0.033	100	0.015	100	0.067	100	0.012	100	0.021	100	0.036	100	0.028	100	0.030	100	0.021	100	0.031	100
GB0006R	cadmium	precip	ug/L	-	0	0.003	100	0.002	100	0.004	100	0.009	100	0.009	100	0.005	100	0.003	100	0.003	100	0.004	100	0.004	13	-	0	0.004	89
GB0013R	cadmium	precip	ug/L	0.007	12	0.012	100	0.008	100	0.010	100	0.009	100	0.004	80	0.005	87	0.007	100	0.009	100	0.005	99	0.008	99	0.005	100	0.007	91
GB0017R	cadmium	precip	ug/L	0.022	100	0.031	100	0.033	100	0.016	5	0.018	91	0.018	11	0.013	96	0.012	100	0.008	100	0.008	9	0.012	95	0.007	100	0.016	84
GB0048R	cadmium	precip	ug/L	0.004	100	0.007	100	0.007	100	0.007	84	0.006	93	0.004	100	0.006	100	0.002	100	0.003	100	0.005	100	0.004	100	0.040	98	0.007	99
GB1055R	cadmium	precip	ug/L	0.015	100	0.010	61	0.009	100	0.011	63	0.014	60	0.014	98	0.007	97	0.015	100	0.014	100	0.014	80	0.024	100	0.009	100	0.013	92

				Jan.		Febr.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		2017	
Code	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
IE0001R	cadmium	precip	ug/L	0.01	100	0.02	100	0.02	100	0.11	100	0.05	100	0.01	100	0.01	100	0.01	100	0.02	100	0.01	100	0.01	100	0.01	100	0.019	100
IS0091R	cadmium	precip	ug/L	0.012	100	0.012	100	0.009	100	0.013	100	0.026	100	0.027	100	0.049	100	0.028	100	0.009	100	0.012	100	0.011	100	0.009	100	0.016	100
NL0010R	cadmium	precip	ug/L	0.033	100	0.035	100	0.030	100	0.194	100	0.144	47	0.084	59	0.011	68	0.065	7	0.054	96	0.047	100	0.040	100	0.041	100	0.048	84
NL0091R	cadmium	precip	ug/L	0.004	100	0.017	70	0.012	100	0.008	100	0.014	100	0.008	100	0.010	100	0.013	100	0.010	100	0.012	100	0.021	100	0.008	100	0.011	98
NO0001R	cadmium	precip	ug/L	0.020	100	0.032	100	0.011	100	0.007	99	0.024	100	0.015	100	0.009	100	0.012	100	0.032	100	0.010	100	0.013	100	0.008	100	0.019	100
NO0039R	cadmium	precip	ug/L	0.004	100	0.002	100	0.004	100	0.003	100	0.006	100	0.003	100	0.002	100	0.005	100	0.002	97	0.001	100	0.001	100	0.005	100	0.003	100
SE0014R	cadmium	precip	ug/L	0.028	100	0.011	100	0.020	100	0.029	100	0.022	100	0.049	100	0.015	100	0.126	100	0.010	100	0.010	100	0.010	100	0.010	100	0.031	100
SE0020R	cadmium	precip	ug/L	0.029	100	0.020	100	0.018	100	0.012	100	0.027	100	0.018	100	0.010	100	0.010	100	0.010	100	0.011	100	0.018	100	0.010	100	0.014	100
BE0014R	chromium	precip	ug/L	0.070	100	0.114	100	0.115	98	0.198	96	0.119	98	0.299	93	0.113	100	0.120	100	0.057	100	0.129	98	0.071	100	0.058	100	0.093	100
DE0001R	chromium	precip	ug/L	0.073	91	0.057	100	0.041	100	0.056	100	0.066	99	0.082	100	0.036	100	0.031	100	0.027	100	0.050	100	0.031	100	0.026	100	0.043	100
DK0005R	chromium	precip	ug/L	1.575	100	0.733	100	0.373	100	0.196	100	0.547	100	0.119	100	0.117	8	0.188	100	0.236	100	0.260	100	0.117	100	0.115	100	0.320	98
DK0008R	chromium	precip	ug/L	0.837	100	1.075	100	0.467	100	0.447	100	0.347	100	0.234	100	0.086	100	0.185	100	0.113	100	0.123	100	0.166	100	0.217	100	0.243	100
DK0012R	chromium	precip	ug/L	0.218	100	0.142	100	0.220	100	0.112	100	0.802	100	0.168	100	0.116	100	0.189	100	0.099	100	0.098	100	0.075	100	0.071	100	0.148	100
DK0022R	chromium	precip	ug/L	0.109	100	0.057	100	0.102	100	0.113	100	0.271	100	0.119	100	0.063	100	0.089	100	0.068	100	0.054	100	0.071	100	0.055	100	0.082	100
ES0008R	chromium	precip	ug/L	1.436	100	0.733	100	1.966	100	0.712	100	0.591	100	0.487	100	0.525	100	0.572	100	0.772	100	0.721	100	0.672	100	1.619	100	0.973	100
FR0090R	chromium	precip	ug/L	0.049	100	0.048	100	0.042	100	0.063	100	0.050	100	0.094	100	0.034	100	0.077	100	0.047	100	0.062	100	0.033	100	0.031	100	0.050	100
GB0006R	chromium	precip	ug/L	-	0	0.020	100	0.039	100	0.025	100	0.020	100	0.077	100	0.041	100	0.040	100	0.122	100	0.086	100	0.083	13	-	0	0.058	89
GB0013R	chromium	precip	ug/L	0.020	22	0.029	100	0.036	100	0.041	100	0.033	100	0.020	80	0.027	87	0.067	100	0.092	100	0.126	99	0.099	99	0.282	100	0.092	92
GB0017R	chromium	precip	ug/L	0.084	100	0.020	100	0.042	100	0.063	5	0.020	91	0.020	11	0.112	96	0.128	100	0.178	100	0.182	9	0.440	95	0.186	100	0.138	84
GB0048R	chromium	precip	ug/L	0.105	100	0.020	100	0.055	100	0.076	84	0.020	93	0.028	100	0.044	100	0.121	100	0.136	100	0.087	100	0.044	100	0.453	98	0.093	99
GB1055R	chromium	precip	ug/L	0.068	100	0.020	100	0.049	100	0.084	63	0.027	60	0.064	98	0.041	97	0.131	100	0.133	100	0.118	80	0.038	100	0.376	100	0.111	95
IS0091R	chromium	precip	ug/L	0.107	100	0.264	100	0.555	100	0.390	100	0.277	100	0.470	100	0.604	100	0.210	100	0.130	100	0.459	100	0.326	100	0.100	100	0.296	100
NL0010R	chromium	precip	ug/L	0.156	100	0.150	100	0.222	100	0.863	100	0.360	47	0.450	59	0.006	68	0.860	7	0.110	96	0.155	100	0.112	100	0.120	100	0.175	84

				Jan.		Febr.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		2017	
Code	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
NL0091R	chromium	precip	ug/L	0.112	87	0.149	98	0.120	100	0.094	100	0.110	100	0.135	100	0.057	100	0.105	100	0.008	100	0.042	100	0.095	100	0.004	100	0.060	99
NO0001R	chromium	precip	ug/L	0.328	100	0.125	100	0.073	100	0.082	99	0.144	100	0.085	100	0.064	100	0.049	100	0.135	100	0.084	100	0.045	100	0.057	100	0.103	100
SE0014R	chromium	precip	ug/L	0.245	100	0.034	100	0.080	100	0.080	100	0.046	100	0.130	100	0.118	100	0.060	100	0.050	100	0.031	100	0.040	100	0.030	100	0.065	100
SE0020R	chromium	precip	ug/L	0.176	100	0.040	100	0.043	100	0.096	100	0.114	100	0.030	100	0.030	100	0.030	100	0.030	100	0.030	100	0.030	100	0.030	100	0.043	100
BE0014R	copper	precip	ug/L	1.897	100	5.982	92	6.052	98	4.134	96	6.665	98	4.117	93	1.804	100	1.295	100	4.721	100	2.044	98	1.702	100	1.268	100	2.915	99
DE0001R	copper	precip	ug/L	0.334	91	0.447	100	0.410	100	0.406	100	0.567	99	0.759	100	0.418	100	0.398	100	0.273	100	0.474	100	0.285	100	0.364	100	0.411	100
DK0005R	copper	precip	ug/L	2.400	100	0.757	100	1.260	100	2.411	100	2.462	100	0.771	100	0.763	8	1.080	100	0.942	100	0.940	1	2.120	98	2.120	100	1.390	83
DK0008R	copper	precip	ug/L	1.522	100	0.958	100	0.765	100	0.919	100	2.005	100	0.899	100	0.531	100	0.682	100	0.322	100	0.463	100	0.578	100	0.360	100	0.663	100
DK0012R	copper	precip	ug/L	1.385	100	1.178	100	1.121	100	0.850	100	3.498	100	1.287	100	3.180	100	1.723	100	0.618	100	0.933	100	0.523	100	0.807	100	1.340	100
DK0022R	copper	precip	ug/L	0.611	100	0.381	100	0.470	100	0.659	100	1.495	100	0.664	100	0.348	100	2.526	100	0.726	100	0.362	100	0.478	100	0.354	100	0.722	100
ES0008R	copper	precip	ug/L	4.788	100	3.479	100	3.571	100	3.259	100	5.137	100	3.325	100	3.544	100	24.053	100	26.394	100	7.747	100	6.430	100	13.951	100	10.869	100
FR0090R	copper	precip	ug/L	0.320	100	0.778	100	0.284	100	0.739	100	0.890	100	0.988	100	0.172	100	0.190	100	0.589	100	1.272	100	0.379	100	0.330	100	0.552	100
GB0006R	copper	precip	ug/L	-	0	0.075	100	0.111	100	0.192	100	0.329	100	0.285	100	0.169	100	0.117	100	0.246	100	0.080	100	0.068	13	-	0	0.162	89
GB0013R	copper	precip	ug/L	0.500	12	0.583	100	0.350	100	0.381	100	0.460	100	0.238	80	0.579	87	0.351	100	0.431	100	0.321	99	0.967	99	0.398	100	0.455	91
GB0017R	copper	precip	ug/L	1.114	100	0.877	100	0.954	100	0.976	5	0.922	91	0.922	11	0.974	96	0.861	100	0.623	100	0.605	9	1.591	95	0.524	100	0.887	84
GB0048R	copper	precip	ug/L	0.228	100	0.330	100	0.210	100	0.475	84	0.397	93	0.169	100	0.318	100	0.668	100	0.251	100	0.184	100	1.380	100	4.651	98	0.715	99
GB1055R	copper	precip	ug/L	0.423	100	0.401	61	0.382	100	0.621	63	0.880	60	0.484	98	0.282	97	3.822	100	0.537	100	0.362	80	1.999	100	0.152	100	0.911	92
IS0091R	copper	precip	ug/L	1.612	100	3.515	100	6.484	100	1.440	100	1.402	100	7.260	100	6.170	100	7.430	100	0.830	100	7.699	100	2.373	100	0.740	100	3.096	100
NL0010R	copper	precip	ug/L	2.167	100	3.933	22	4.009	55	8.306	100	4.925	47	4.210	59	1.057	68	12.423	7	1.923	96	2.762	100	1.898	100	0.800	100	2.485	73
NL0091R	copper	precip	ug/L	1.882	99	1.069	90	2.281	100	1.379	100	2.039	90	1.000	100	1.144	100	1.312	100	0.400	100	1.024	100	1.658	74	0.466	100	1.022	97
NO0001R	copper	precip	ug/L	7.560	100	5.618	100	4.150	100	0.583	99	1.945	100	0.938	100	0.666	100	3.110	100	2.970	100	0.314	100	2.184	100	0.760	100	2.366	100
SE0014R	copper	precip	ug/L	0.907	100	0.667	100	0.520	100	0.361	100	0.738	100	1.978	100	0.389	100	1.777	100	0.240	100	0.130	100	0.330	100	0.220	100	0.674	100
SE0020R	copper	precip	ug/L	1.101	100	0.552	100	0.889	100	0.534	100	0.804	100	0.465	100	0.330	100	0.350	100	0.389	100	0.328	100	0.578	100	0.310	100	0.471	100
BE0014R	lead	precip	ug/L	0.353	100	1.536	100	0.941	98	0.968	96	0.688	98	1.154	93	0.400	100	0.759	100	0.718	100	0.665	98	0.740	100	0.282	100	0.672	100
DE0001R	lead	precip	ug/L	0.276	91	0.354	100	0.294	100	0.206	100	0.240	99	0.495	100	0.185	100	0.280	100	0.246	100	0.384	100	0.277	100	0.218	100	0.292	100
DK0005R	lead	precip	ug/L	5.131	100	3.246	100	1.500	100	0.444	100	1.753	100	0.398	100	0.391	8	0.621	100	0.652	100	0.983	100	0.485	100	0.477	100	1.125	98
DK0008R	lead	precip	ug/L	0.648	100	0.568	100	0.656	100	0.526	100	1.072	100	0.446	100	0.264	100	0.378	100	0.179	100	0.384	100	0.342	100	0.212	100	0.383	100
DK0012R	lead	precip	ug/L	0.900	100	0.845	100	0.509	100	0.297	100	1.613	100	0.509	100	0.217	100	0.589	100	0.269	100	0.361	100	0.257	100	0.332	100	0.438	100
DK0022R	lead	precip	ug/L	0.372	100	0.396	100	0.408	100	0.197	100	0.616	100	0.442	100	0.202	100	0.289	100	0.334	100	0.653	100	1.922	100	1.544	100	0.663	100
ES0008R	lead	precip	ug/L	0.395	100	0.482	100	0.526	100	0.536	100	0.576	100	0.993	100	0.409	100	0.779	100	1.075	100	1.001	100	2.914	100	4.380	100	1.754	100
GB0006R	lead	precip	ug/L	-	0	0.094	100	0.037	100	0.073	100	0.358	100	0.170	100	0.088	100	0.031	100	0.064	100	0.032	100	0.030	100	0.030	100	0.081	100
GB0013R	lead	precip	ug/L	0.099	12	0.268	100	0.183	100	0.254	100	0.292	100	0.043	80	0.194	87	0.085	100	0.127	100	0.181	99	0.172	99	0.092	100	0.171	91
GB0017R	lead	precip	ug/L	0.246	100	0.871	100	0.938	100	0.555	5	0.611	91	0.611	11	0.555	96	0.469	100	0.264	100	0.249	9	0.475	95	0.199	100	0.486	84
GB0048R	lead	precip	ug/L	0.068	100	0.151	100	0.109	100	0.134	84	0.190	93	0.085	100	0.142	100	0.052	100	0.092	100	0.106	100	0.034	100	0.218	98	0.111	99
GB1055R	lead	precip	ug/L	0.256	100	0.148	61	0.181	100	0.291	63	0.547	60	0.283	98	0.137	97	0.324	100	0.401	100	0.223	80	0.407	100	0.124	100	0.265	92
IE0001R	lead	precip	ug/L	0.38	100	1.35	100	0.24	100	0.74	100	0.41	100	0.47	100	0.49	100	0.36	100	0.18	100	0.14	100	0.22	100	0.63	100	0.423	100
IS0091R	lead	precip	ug/L	0.118	100	0.248	100	0.834	100	0.430	100	0.552	100	0.730	100	1.639	100	0.230	100	0.150	100	0.258	100	0.309	100	0.300	100	0.418	100
NL0010R	lead	precip	ug/L	0.778	100	0.914	100	1.151	100	5.133	100	2.180	47	2.592	59	0.317	68	1.451	7	0.761	96	1.160	100	0.877	100	0.500	100	1.074	84
NL0091R	lead	precip	ug/L	0.401	99	0.484	100	0.318	100	0.436	100	0.798	100	0.547	100	0.371	100	0.395	100	0.201	100	0.411	100	1.342	100	0.371	100	0.447	100
NO0001R	lead	precip	ug/L	1.306	100	1.267	100	0.328	100	0.194	99	0.844	100	0.640	100	0.231	100	0.406	100	0.940	100	0.451	100	0.534	100	0.544	100	0.669	100
NO0039R	lead	precip	ug/L	0.350	100	0.058	100	0.081	100	0.106	100	0.174	100	0.079	100	0.056	100	0.079	100	0.035	97	0.042	100	0.042	100	0.029	100	0.099	100

				Jan.		Febr.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		2017	
Code	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
SE0014R	lead	precip	ug/L	0.563	100	0.254	100	0.420	100	0.214	100	0.325	100	0.628	100	0.308	100	0.483	100	0.290	100	0.100	100	0.240	100	0.220	100	0.316	100
SE0020R	lead	precip	ug/L	0.872	100	0.514	100	0.366	100	0.297	100	0.417	100	0.332	100	0.288	100	0.247	100	0.290	100	0.299	100	0.415	100	0.220	100	0.339	100
BE0014R	mercury	precip	ug/L	1.901	100	5.621	100	7.427	99	6.106	97	5.991	97	11.717	92	8.586	100	8.054	100	6.342	100	7.211	98	4.113	100	2.495	99	5.751	100
DE0001R	mercury	precip	ug/L	3.848	100	3.243	100	4.321	100	5.365	100	8.716	100	15.995	100	8.498	100	6.110	100	3.156	100	3.967	100	3.698	100	2.959	100	5.601	100
ES0008R	mercury	precip	ug/L	9.573	99	10.437	100	6.759	100	9.668	100	16.721	99	5.682	100	9.109	100	8.422	100	4.828	100	14.793	100	7.446	100	4.377	100	7.697	100
GB0013R	mercury	precip	ug/L	6.022	100	6.969	100	6.106	100	5.479	100	2.800	100	2.802	100	5.000	100	5.000	100	-	0	4.797	100	3.609	100	2.000	100	4.146	100
GB0017R	mercury	precip	ug/L	-	0	9.000	100	6.195	100	8.792	100	6.248	100	5.210	100	13.625	100	8.117	100	4.226	100	8.403	100	3.214	100	3.000	100	6.478	100
GB0048R	mercury	precip	ug/L	3.828	100	4.994	100	5.000	100	13.351	100	12.812	100	6.000	100	5.627	100	4.923	100	3.000	100	3.887	100	2.966	100	2.000	100	5.178	100
GB1055R	mercury	precip	ug/L	3.963	100	6.745	100	6.172	100	5.358	100	5.793	100	7.536	100	8.000	100	8.827	100	6.179	100	6.838	100	3.884	100	2.000	100	6.102	100
IE0001R	mercury	precip	ug/L	5	100	5	100	5	100	5	100	5	100	5	100	5	100	5	100	5	100	5	100	5	100	5	100	5	100
NL0091R	mercury	precip	ug/L	5.372	100	9.011	100	9.612	93	7.394	100	12.840	100	21.247	100	14.395	100	7.602	100	4.366	100	5.663	100	5.000	100	3.375	100	8.785	100
NO0001R	mercury	precip	ug/L	4.593	100	4.100	100	4.200	100	14.200	100	6.300	100	19.300	69	4.800	100	7.995	100	7.575	100	4.516	100	3.942	100	1.700	100	5.837	100
SE0014R	mercury	precip	ug/L	8.445	100	4.804	100	5.324	100	5.819	100	12.644	100	8.203	100	14.651	100	8.902	100	7.029	100	4.972	100	4.223	100	4.492	100	6.951	100
SE0020R	mercury	precip	ug/L	6.945	100	5.008	100	6.971	100	6.539	100	16.875	100	8.960	100	8.246	100	8.873	100	5.001	100	4.435	100	3.925	100	5.177	55	6.743	95
BE0014R	nickel	precip	ug/L	0.126	100	0.405	100	0.264	98	0.417	96	0.230	98	0.524	93	0.188	100	0.201	100	0.182	100	0.287	98	0.149	100	0.110	100	0.200	100
DE0001R	nickel	precip	ug/L	0.193	91	0.187	100	0.116	100	0.240	100	0.256	99	0.454	100	0.157	100	0.144	100	0.094	100	0.228	100	0.147	100	0.101	100	0.181	100
DK0005R	nickel	precip	ug/L	0.798	100	0.241	100	0.192	100	0.275	100	0.283	100	0.126	100	0.125	8	0.186	100	0.161	100	0.895	100	0.271	100	0.261	100	0.335	98
DK0008R	nickel	precip	ug/L	0.411	100	0.193	100	0.169	100	0.235	100	0.331	100	0.140	100	0.121	100	0.137	100	0.072	100	0.138	100	0.174	100	0.100	100	0.145	100
DK0012R	nickel	precip	ug/L	0.374	100	0.211	100	0.613	100	1.316	100	1.015	100	0.406	100	0.318	100	0.215	100	0.142	100	0.380	100	0.161	100	0.190	100	0.392	100
DK0022R	nickel	precip	ug/L	0.134	100	0.107	100	0.138	100	0.243	100	0.271	100	0.146	100	0.316	100	0.151	100	0.085	100	0.097	100	0.136	100	0.089	100	0.145	100
ES0008R	nickel	precip	ug/L	0.747	100	0.510	100	0.869	100	0.563	100	0.602	100	0.592	100	0.600	100	0.510	100	0.659	100	0.669	100	0.510	100	0.594	100	0.604	100
FR0090R	nickel	precip	ug/L	0.630	100	0.431	100	0.634	100	0.452	100	0.241	100	0.634	100	0.275	100	0.665	100	0.368	100	0.360	100	0.271	100	0.359	100	0.439	100
GB0006R	nickel	precip	ug/L	-	0	0.028	100	0.032	100	0.057	100	0.018	100	0.039	100	0.027	100	0.015	100	0.023	100	0.054	100	0.056	13	-	0	0.032	89
GB0013R	nickel	precip	ug/L	0.099	12	0.133	100	0.092	100	0.083	100	0.114	100	0.088	80	0.145	87	0.110	100	0.154	100	0.161	99	0.178	99	0.104	100	0.123	91
GB0017R	nickel	precip	ug/L	0.159	100	0.100	100	0.121	100	0.138	5	0.073	91	0.073	11	0.168	96	0.106	100	0.069	100	0.067	9	0.113	95	0.062	100	0.104	84
IE0001R	nickel	precip	ug/L	0.21	100	0.24	100	0.15	100	0.30	100	0.22	100	0.18	100	0.12	100	0.15	100	0.11	100	0.08	100	0.04	100	0.04	100	0.141	100
IS0091R	nickel	precip	ug/L	0.139	100	0.379	100	0.353	100	0.730	100	0.580	100	0.780	100	0.694	100	0.400	100	0.210	100	0.795	100	0.355	100	0.310	100	0.445	100
NL0010R	nickel	precip	ug/L	0.304	100	0.145	100	0.152	100	0.608	100	0.400	47	0.492	59	0.206	68	1.171	7	0.140	96	0.157	100	0.229	100	0.100	100	0.219	84
NL0091R	nickel	precip	ug/L	0.162	97	0.239	100	0.233	100	0.129	100	0.400	100	0.293	100	0.184	100	0.195	100	0.137	100	0.154	100	0.266	100	0.164	100	0.192	100
NO0001R	nickel	precip	ug/L	0.774	100	0.462	100	0.175	100	0.187	99	0.187	100	0.295	100	0.237	100	0.151	100	0.126	100	0.170	100	0.143	100	0.124	100	0.200	100
SE0014R	nickel	precip	ug/L	0.194	100	0.062	100	0.080	100	0.155	100	0.326	100	0.186	100	0.080	100	0.088	100	0.030	100	0.032	100	0.080	100	0.060	100	0.093	100
SE0020R	nickel	precip	ug/L	0.145	100	0.031	100	0.086	100	0.182	100	0.170	100	0.089	100	0.030	100	0.030	100	0.036	100	0.062	100	0.079	100	0.030	100	0.065	100
BE0014R	zinc	precip	ug/L	5.859	100	13.215	100	10.255	98	17.272	96	10.210	98	23.373	93	10.654	100	7.097	100	9.795	100	6.670	98	6.076	100	4.658	100	8.442	100
DE0001R	zinc	precip	ug/L	5.178	100	2.925	100	17.949	100	4.559	100	24.179	99	17.433	100	1.728	100	1.688	100	1.211	100	2.953	100	1.689	100	1.577	100	5.118	100
ES0008R	zinc	precip	ug/L	53.738	100	44.780	100	21.323	100	48.765	100	42.923	100	17.758	100	24.413	100	23.259	100	25.404	100	37.118	100	34.833	100	60.799	100	38.228	100
FR0090R	zinc	precip	ug/L	10.300	100	12.589	100	12.795	100	13.269	100	5.721	100	16.724	100	5.957	100	13.212	100	13.008	100	9.837	100	10.493	100	6.327	100	10.457	100
GB0006R	zinc	precip	ug/L	-	0	0.500	100	1.125	100	0.683	100	2.138	100	1.657	100	1.329	100	0.516	100	0.500	100	0.500	100	0.500	100	0.500	100	0.848	100
GB0013R	zinc	precip	ug/L	1.290	12	2.298	100	2.473	100	2.063	100	2.325	100	1.223	80	1.727	87	1.796	100	2.720	100	2.472	99	2.819	99	2.682	100	2.280	91
GB0017R	zinc	precip	ug/L	5.808	100	4.663	100	6.523	100	7.026	5	6.823	91	6.823	11	3.768	96	2.964	100	3.548	100	3.613	9	6.000	95	2.649	100	4.382	84
GB0048R	zinc	precip	ug/L	2.999	100	2.790	100	1.537	100	5.151	84	2.514	93	1.921	100	2.881	100	2.178	100	2.410	100	2.148	100	2.069	100	15.686	98	3.348	99
GB1055R	zinc	precip	ug/L	3.887	100	3.283	61	2.889	100	7.023	63	4.553	60	5.121	98	2.599	97	3.028	100	4.796	100	2.353	80	2.815	100	3.252	100	3.449	92
NL0010R	zinc	precip	ug/L	9.758	100	8.679	100	10.336	100	29.977	100	16.885	47	21.355	59	4.837	68	23.328	7	9.743	96	11.541	100	11.017	100	7.588	100	10.648	84
NL0091R	zinc	precip	ug/L	3.712	99	3.967	100	4.112	100	3.755	100	6.325	100	3.574	100	3.572	100	3.401	100	1.606	100	3.486	100	4.991	100	2.096	100	3.156	100
NO0001R	zinc	precip	ug/L	3.614	100	5.479	100	3.058	100	4.153	99	6.087	100	3.458	100	1.815	100	2.150	100	3.711	100	1.425	100	2.231	100	1.394	100	2.870	100

				Jan.		Febr.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		2017	
Code	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
NO0039R	zinc	precip	ug/L	2.277	100	1.037	100	1.161	100	0.787	100	1.500	100	1.130	100	1.444	100	1.884	100	0.981	97	0.592	100	0.344	100	1.211	100	1.185	100
SE0014R	zinc	precip	ug/L	5.247	100	2.386	100	3.380	100	1.386	100	3.215	100	12.521	100	2.625	100	11.637	100	1.610	100	0.801	100	1.630	100	0.750	100	4.027	100
SE0020R	zinc	precip	ug/L	5.229	100	2.336	100	3.428	100	2.827	100	4.404	100	2.338	100	2.062	100	2.105	100	1.906	100	1.337	100	2.031	100	0.750	100	2.131	100
BE0014R	amount	precip	mm	56	100	47	100	36	100	17	100	32	100	7	100	73	100	127	100	131	100	25	100	66	100	108	100	725	100
BE0014R	amount (Hg)	precip	mm	58	100	50	100	37	100	16	100	33	100	7	100	77	100	130	100	139	100	25	100	84	100	118	100	775	100
DE0001R	amount	precip	mm	30	100	49	100	35	100	26	100	34	100	77	100	76	100	71	100	173	100	100	100	82	100	71	100	823	100
DE0001R	amount (Hg)	precip	mm	35	100	54	100	39	100	31	100	38	100	84	100	84	100	77	100	188	100	114	100	92	100	78	100	913	100
DK0005R	amount	precip	mm	24	96	28	100	47	100	23	100	41	100	82	100	10	100	94	100	59	100	84	100	52	100	2	4	546	92
DK0008R	amount	precip	mm	16	96	27	100	41	100	35	100	27	100	104	100	99	100	61	100	125	100	86	100	41	100	70	100	731	100
DK0012R	amount	precip	mm	15	96	41	100	42	100	58	100	19	100	100	100	87	100	65	100	112	100	67	100	55	100	45	100	707	100
DK0022R	amount	precip	mm	52	96	84	100	56	100	53	100	26	100	105	100	96	100	104	100	123	100	131	100	93	100	124	100	1046	100
ES0008R	amount	precip	mm	87	60	84	86	78	87	51	67	73	84	88	87	61	85	121	86	145	87	41	65	190	67	245	87	1265	79
ES0008R	amount (Hg)	precip	mm	71	84	70	86	67	87	39	67	56	84	69	87	39	85	85	86	111	87	26	84	135	87	195	87	963	84
GB0006R	amount	precip	mm	-	0	146	90	178	100	62	100	106	100	97	100	137	100	181	100	203	100	204	100	188	100	9	5	1511	83
GB0013R	amount	precip	mm	71	100	123	100	88	100	47	100	80	100	77	100	102	100	60	100	81	100	74	100	50	100	156	100	1009	100
GB0013R	amount (Hg)	precip	mm	58	100	54	100	72	100	50	100	122	100	73	100	75	100	89	91	0	0	83	93	74	100	167	100	915	90
GB0017R	amount	precip	mm	32	100	54	100	29	100	19	100	44	100	50	100	64	100	61	100	61	100	16	100	43	100	74	100	548	100
GB0017R	amount (Hg)	precip	mm	-	0	35	84	24	100	19	100	49	100	56	100	60	100	69	100	73	100	15	100	52	100	79	100	530	90
GB0048R	amount	precip	mm	34	89	72	100	74	77	13	100	39	100	116	100	103	100	85	100	71	100	65	100	59	100	60	100	791	97
GB0048R	amount (Hg)	precip	mm	35	100	82	100	67	100	21	100	49	100	100	100	101	100	91	100	66	100	66	100	65	100	63	100	808	100
GB1055R	amount	precip	mm	67	100	43	100	57	100	5	100	58	100	37	100	81	97	57	100	57	100	30	100	71	100	89	77	652	98
GB1055R	amount (Hg)	precip	mm	61	100	65	100	57	100	19	100	55	100	66	100	66	100	69	100	53	100	47	100	63	100	46	63	667	97
IE0001R	amount (from N dep)	precip	mm	219	100	144	94	80	83	75	100	100	100	172	100	139	100	146	71	359	71	224	92	124	100	178	71	1961	90
IS0091R	amount	precip	mm	220	100	227	100	97	100	236	100	132	100	47	100	108	100	69	100	168	100	98	100	139	100	118	84	1659	99
NL0010R	amount	precip	mm	41	94	60	93	47	94	15	90	49	93	49	93	102	94	15	94	73	93	37	90	49	93	55	71	593	91
NL0091R	amount	precip	mm	45	90	48	86	51	84	27	87	34	84	52	87	115	87	54	84	230	87	75	87	79	83	125	87	934	86
NL0091R	amount (Hg)	precip	mm	42	100	60	100	14	68	27	70	41	93	55	77	77	77	79	100	88	77	46	78	3	7	93	100	625	79
NO0001R	amount	precip	mm	84	100	111	100	108	100	59	100	58	77	26	53	98	94	132	100	539	100	422	100	206	100	111	97	1954	93
NO0001R	amount (Hg)	precip	mm	85	100	134	100	85	100	59	100	59	100	26	100	98	100	132	100	539	100	422	100	206	100	111	100	1954	100
NO0039R	amount	precip	mm	194	100	106	100	127	100	148	100	111	77	137	100	150	100	113	100	57	100	232	100	161	100	208	77	1746	96
SE0014R	amount	precip	mm	12	100	29	100	35	100	36	100	37	100	64	100	73	100	89	100	89	100	100	100	44	100	91	100	699	100
SE0014R	amount (Hg)	precip	mm	17	100	33	100	96	100	22	100	59	100	84	100	41	100	104	100	96	100	121	100	77	100	119	100	869	100
SE0020R	amount	precip	mm	34	100	51	100	40	100	44	100	25	100	75	100	74	100	98	100	101	100	107	100	92	100	105	77	845	98

				Jan.		Febr.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		2017	
Code	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
SE0020R	amount (Hg)	precip	mm	27	100	64	100	37	100	46	100	34	100	106	100	115	100	126	100	123	100	134	100	106	100	114	100	1032	100

Table A.2.5 : Concentrations of heavy metals in air, 2017

				Jan.		Febr.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		2017	
Code	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	1.084	100	0.9857	100	0.5704	87	0.5643	93	0.3308	84	0.4448	97	0.3452	100	0.4586	94	0.4433	100	0.2903	100	0.5733	100	0.4000	100	0.5407	96
DE0001R	arsenic	pm10	ng/m3	0.409	94	0.671	100	0.332	100	0.113	100	0.213	100	0.161	100	0.100	100	0.152	100	0.361	100	0.226	100	0.139	100	0.101	100	0.244	99
DK0008R	arsenic	aerosol	ng/m3	0.500	100	0.653	100	0.229	100	0.150	93	0.290	100	0.181	100	0.135	97	0.192	94	0.237	93	0.141	94	0.137	100	0.127	100	0.247	98
DK0012R	arsenic	aerosol	ng/m3	0.618	97	0.921	100	0.385	97	0.230	93	0.396	97	0.270	90	0.216	100	0.228	100	0.319	87	0.298	100	0.270	100	0.196	100	0.360	97
ES0008R	arsenic	pm10	ng/m3	0.230	16	0.148	18	0.350	16	0.200	17	0.114	16	0.190	17	0.135	15	0.116	17	0.176	17	0.220	16	0.306	17	0.070	16	0.188	16
GB0013R	arsenic	pm10	ng/m3	0.800	100	0.535	100	0.508	100	0.409	100	0.381	100	0.237	100	0.250	100	0.215	100	0.271	100	0.369	100	0.348	100	0.357	100	0.390	100
GB0017R	arsenic	pm10	ng/m3	0.862	100	0.662	100	0.670	100	0.451	100	0.380	100	0.356	100	0.347	100	0.408	100	0.472	100	0.754	100	0.836	100	0.605	100	0.567	100
GB0048R	arsenic	pm10	ng/m3	0.253	100	0.401	100	0.226	100	0.212	100	0.221	100	0.103	100	0.144	100	0.107	100	0.115	100	0.213	100	0.226	100	0.157	100	0.197	100
GB1055R	arsenic	pm10	ng/m3	1.019	100	0.677	100	0.570	100	0.651	100	0.508	100	0.411	100	0.368	100	0.377	100	0.437	100	0.872	100	1.005	100	0.597	100	0.624	100
IS0091R	arsenic	aerosol	ng/m3	0.016	100	0.031	100	0.060	100	0.076	100	0.121	50	0.067	58	0.026	56	0.055	98	0.034	100	0.033	100	0.031	100	0.029	100	0.045	88
NL0008R	arsenic	pm10	ng/m3	0.745	45	1.055	46	0.402	48	0.352	43	0.319	49	0.278	43	0.263	48	0.392	49	0.421	47	0.073	19	0.415	50	0.421	36	0.441	44
NL0644R	arsenic	pm25	ng/m3	0.496	19	1.131	25	0.335	26	0.368	20	0.345	23	0.240	20	0.283	26	0.306	23	0.421	27	0.065	16	0.481	23	0.320	26	0.406	23
NO0002R	arsenic	pm10	ng/m3	0.256	100	0.176	100	0.156	100	0.170	100	0.213	97	0.113	47	0.095	87	0.129	100	0.168	100	0.123	100	0.036	100	0.028	100	0.140	94
NO0042G	arsenic	aerosol	ng/m3	0.094	32	0.124	14	0.106	26	0.190	27	0.030	32	0.017	20	0.008	3	0.004	16	0.014	33	0.033	26	0.043	23	0.049	26	0.063	23
NO0090R	arsenic	aerosol	ng/m3	0.019	32	0.045	29	0.025	26	0.092	27	0.032	35	0.052	7	0.034	29	0.017	29	0.103	27	0.026	32	0.015	27	0.007	19	0.038	27
SE0014R	arsenic	aerosol	ng/m3	0.604	56	0.471	100	0.220	39	0.180	93	0.357	100	0.140	100	0.133	100	0.211	100	0.350	100	0.157	94	0.158	60	0.150	100	0.252	87
SE0020R	arsenic	aerosol	ng/m3	0.430	100	0.308	50	0.254	55	0.157	100	0.214	100	0.160	100	0.170	100	0.200	100	0.209	100	0.167	100	0.223	100	0.110	77	0.213	90
BE0014R	cadmium	pm10	ng/m3	0.3290	100	0.2393	100	0.1593	87	0.1071	93	0.1308	84	0.1655	97	0.0806	100	0.1138	94	0.1100	100	0.1032	100.000	0.1400	100.000	0.0903	100.000	0.1473	96
DE0001R	cadmium	pm10	ng/m3	0.092	94	0.139	100	0.054	100	0.026	100	0.039	100	0.032	100	0.015	100	0.026	100	0.065	100	0.043	100	0.027	100	0.023	100	0.048	99
DK0008R	cadmium	aerosol	ng/m3	0.056	100	0.088	100	0.025	100	0.018	93	0.030	100	0.020	100	0.013	97	0.024	94	0.063	93	0.020	94	0.023	100	0.019	100	0.033	98
DK0012R	cadmium	aerosol	ng/m3	0.077	97	0.110	100	0.046	94	0.026	93	0.045	97	0.035	90	0.018	100	0.031	100	0.079	87	0.044	100	0.044	100	0.033	100	0.049	96
ES0008R	cadmium	pm10	ng/m3	0.192	16	0.164	18	0.226	16	0.084	17	0.200	16	0.168	17	0.120	15	0.050	17	0.078	17	0.058	16	0.166	17	0.040	16	0.129	16
GB0013R	cadmium	pm10	ng/m3	0.077	100	0.062	100	0.047	100	0.081	100	0.055	100	0.028	100	0.031	100	0.042	100	0.045	100	0.035	100	0.072	100	0.050	100	0.052	100
GB0017R	cadmium	pm10	ng/m3	0.149	100	0.107	100	0.098	100	0.079	100	0.061	100	0.074	100	0.057	100	0.065	100	0.080	100	0.120	100	0.124	100	0.084	100	0.091	100
GB0048R	cadmium	pm10	ng/m3	0.043	100	0.044	100	0.030	100	0.031	100	0.030	100	0.011	100	0.014	100	0.014	100	0.016	100	0.028	100	0.022	100	0.023	100	0.025	100
GB1055R	cadmium	pm10	ng/m3	0.192	100	0.124	100	0.088	100	0.125	100	0.097	100	0.065	100	0.070	100	0.082	100	0.085	100	0.131	100	0.171	100	0.097	100	0.111	100
IS0091R	cadmium	aerosol	ng/m3	0.002	100	0.003	100	0.003	100	0.007	100	0.017	50	0.003	58	0.004	56	0.005	98	0.004	100	0.004	100	0.003	100	0.003	100	0.004	88
NL0008R	cadmium	pm10	ng/m3	0.218	45	0.212	46	0.095	48	0.076	43	0.075	49	0.062	43	0.057	48	0.082	49	0.104	47	0.070	19	0.113	50	0.092	36	0.106	44
NL0644R	cadmium	pm25	ng/m3	0.112	19	0.093	25	0.085	26	0.068	20	0.082	23	0.048	20	0.073	26	0.070	23	0.124	27	0.068	16	0.126	23	0.111	26	0.090	23
NO0002R	cadmium	pm10	ng/m3	0.034	100	0.029	100	0.017	100	0.021	100	0.022	97	0.011	47	0.011	87	0.014	100	0.041	100	0.026	100	0.008	100	0.008	100	0.021	94
NO0042G	cadmium	aerosol	ng/m3	0.017	32	0.017	14	0.018	26	0.039	27	0.007	32	0.003	20	0.001	3	0.000	16	0.002	33	0.008	26	0.004	23	0.008	26	0.011	23
NO0090R	cadmium	aerosol	ng/m3	0.003	32	0.009	29	0.005	26	0.015	27	0.005	35	0.010	7	0.004	29	0.002	29	0.043	27	0.007	32	0.003	27	0.001	19	0.008	27
SE0014R	cadmium	aerosol	ng/m3	0.068	56	0.083	100	0.049	39	0.020	93	0.031	100	0.017	100	0.011	100	0.021	100	0.058	100	0.018	94	0.024	60	0.015	100	0.033	87
SE0020R	cadmium	aerosol	ng/m3	0.061	100	0.044	50	0.032	55	0.023	100	0.022	100	0.017	100	0.017	100	0.027	100	0.060	100	0.026	100	0.029	100	0.018	77	0.031	90
BE0014R	chromium	pm10	ng/m3	2.0839	100	1.3679	100	1.5370	87	1.4643	93	0.9308	84	1.5690	97	0.7774	100	1.2483	94	0.8667	100	0.7484	100	1.1067	100	0.4774	100	1.1755	96
ES0008R	chromium	pm10	ng/m3	0.984	16	0.580	18	1.578	16	1.090	17	0.770	16	1.286	17	1.166	15	1.153	17	0.966	17	1.010	16	1.036	17	0.646	16	1.022	16
GB0013R	chromium	pm10	ng/m3	0.930	100	0.589	100	0.500	100	0.768	100	1.178	100	1.100	100	1.100	100	1.100	100	1.100	100	1.100	100	1.100	100	1.100	100	0.975	100
GB0017R	chromium	pm10	ng/m3	1.386	100	1.119	100	0.934	100	1.825	100	2.948	100	1.437	100	0.875	100	0.512	100	1.100	100	1.100	100	1.100	100	1.100	100	1.287	100
GB0048R	chromium	pm10	ng/m3	1.836	100	1.607	100	0.940	100	0.972	100	0.715	100	0.464	100	1.100	100	1.100	100	0.957	100	0.877	100	1.100	100	1.100	100	1.062	100
GB1055R	chromium	pm10	ng/m3	1.932	100	1.355	100	1.047	100	0.743	100	1.161	100	1.100	100	1.100	100	0.846	100	0.523	100	1.100	100	0.680	100	0.784	100	1.031	100
IS0091R	chromium	aerosol	ng/m3	0.289	100	0.772	100	0.226	100	1.294	100	0.672	50	0.426	58	0.200	56	0.537	98	0.172	100	0.283	100	1.170	100	0.345	100	0.539	88
NO0002R	chromium	pm10	ng/m3	3.056	100	3.346	100	3.345	100	3.011	100	2.557	97	2.553	47	2.545	87	2.560	100	3.808	100	3.803	100	1.930	100	2.242	100	2.914	94
NO0042G	chromium	aerosol	ng/m3	0.325	32	0.566	14	0.232	26	0.467	27	0.176	32	0.042	20	0.136	3	0.066	16	0.052	33	0.471	26	0.593	23	0.372	26	0.294	23
NO0090R	chromium	aerosol	ng/m3	0.132	32	0.097	29	0.087	26	0.274	27	0.205	35	0.208	7	0.077	29	0.071	29	0.235	27	0.072	32	0.125	27	0.235	19	0.144	27
SE0014R	chromium	aerosol	ng/m3	0.541	56	0.554	100	0.480	39	0.250	93	0.437	100	0.320	100	0.203	100	0.325	100	0.360	100	0.399	94	0.772	60	0.290	100	0.387	87
SE0020R	chromium	aerosol	ng/m3	0.310	100	0.323	50	0.436	55	0.424	100	0.427	100	0.333	100	0.473	100	0.540	100	0.549	100	0.593	100	0.503	100	0.460	77	0.454	90

				Jan.		Febr.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		2017	
Code	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	copper	pm10	ng/m3	6.8194	100	5.2714	100	4.2519	87	3.7571	93	4.1615	84	4.0276	97	3.0548	100	3.3621	94	4.5100	100	3.3452	100	4.5800	100	2.4419	100	4.1262	96
DE0001R	copper	pm10	ng/m3	2.4755	100	2.0201	100	1.7279	100	1.1047	100	1.8498	100	1.4207	100	1.5009	100	1.4431	100	2.157	100	1.6474	100	1.5289	100	1.1277	100	1.6653	100
GB0013R	copper	pm10	ng/m3	1.943	100	1.448	100	1.128	100	1.029	100	1.183	100	0.894	100	1.008	100	0.646	100	0.696	100	0.920	100	0.874	100	0.567	100	1.026	100
GB0017R	copper	pm10	ng/m3	2.468	100	2.046	100	2.346	100	1.643	100	1.708	100	1.907	100	1.723	100	2.303	100	2.021	100	3.424	100	3.187	100	1.925	100	2.227	100
GB0048R	copper	pm10	ng/m3	0.791	100	1.118	100	0.815	100	0.932	100	1.216	100	1.092	100	1.364	100	0.652	100	0.638	100	0.907	100	0.743	100	0.507	100	0.897	100
GB1055R	copper	pm10	ng/m3	4.378	100	2.954	100	2.339	100	2.749	100	2.860	100	1.846	100	1.770	100	1.313	100	1.722	100	3.115	100	3.341	100	1.720	100	2.506	100
IS0091R	copper	aerosol	ng/m3	0.275	100	0.235	100	0.306	100	0.812	100	1.108	50	0.576	58	0.330	56	0.808	98	0.279	100	0.259	100	0.507	100	0.752	100	0.500	88
NO0002R	copper	pm10	ng/m3	0.552	100	0.301	100	0.249	100	0.377	100	0.365	97	0.189	47	0.246	87	0.338	100	0.408	100	0.439	100	0.090	100	0.090	100	0.310	94
NO0042G	copper	aerosol	ng/m3	0.345	32	0.389	14	0.998	26	0.390	27	0.189	32	0.050	20	0.143	3	0.052	16	0.088	33	0.194	26	0.197	23	0.188	26	0.283	23
NO0090R	copper	aerosol	ng/m3	0.318	32	0.610	29	0.370	26	0.815	27	0.431	35	0.414	7	0.674	29	0.211	29	0.869	27	0.966	32	0.134	27	0.080	19	0.508	27
SE0014R	copper	aerosol	ng/m3	0.979	56	1.179	100	0.900	39	0.620	93	0.893	100	0.550	100	0.550	100	0.830	100	0.900	100	0.562	94	0.736	60	0.580	100	0.758	87
SE0020R	copper	aerosol	ng/m3	1.100	100	0.991	50	1.403	55	0.881	100	0.887	100	0.860	100	0.974	100	1.300	100	0.967	100	0.995	100	1.656	100	0.720	77	1.057	90
BE0014R	lead	pm10	ng/m3	12.1323	100	9.0964	100	5.3185	87	5.1786	93	3.9308	84	4.9207	97	2.9548	100	3.7207	94	4.4100	100	2.9710	100	5.7400	100	3.3742	100	5.3134	96
DE0001R	lead	pm10	ng/m3	2.877	94	4.719	100	2.007	100	0.896	100	1.383	100	1.163	100	0.565	100	1.018	100	2.899	100	2.115	100	1.149	100	0.885	100	1.780	99
DK0008R	lead	aerosol	ng/m3	2.379	100	3.100	100	0.907	100	0.540	93	1.067	100	0.739	100	0.404	97	0.798	94	2.105	93	0.685	94	0.762	100	0.549	100	1.160	98
DK0012R	lead	aerosol	ng/m3	2.844	97	4.339	100	1.561	97	0.735	93	1.559	97	1.160	90	0.775	100	1.182	100	2.982	87	1.598	100	1.339	100	0.918	100	1.724	97
ES0008R	lead	pm10	ng/m3	8.844	16	2.570	18	8.974	16	1.884	17	4.574	16	2.974	17	2.836	15	2.518	17	2.028	17	2.310	16	5.502	17	1.198	16	3.850	16
GB0013R	lead	pm10	ng/m3	2.926	100	2.095	100	1.986	100	2.269	100	1.768	100	0.919	100	1.096	100	0.902	100	1.065	100	1.597	100	1.827	100	1.127	100	1.629	100
GB0017R	lead	pm10	ng/m3	5.582	100	4.538	100	4.196	100	3.771	100	2.689	100	3.153	100	2.393	100	2.696	100	3.412	100	6.010	100	5.939	100	3.664	100	3.999	100
GB0048R	lead	pm10	ng/m3	1.736	100	1.825	100	1.068	100	1.178	100	1.203	100	0.505	100	0.787	100	0.533	100	0.766	100	1.155	100	1.009	100	0.748	100	1.038	100
GB1055R	lead	pm10	ng/m3	7.977	100	4.893	100	3.265	100	3.974	100	3.339	100	2.131	100	2.331	100	1.986	100	2.412	100	5.008	100	5.760	100	3.025	100	3.836	100
IS0091R	lead	aerosol	ng/m3	0.065	100	0.095	100	0.104	100	0.199	100	0.523	50	0.080	58	0.050	56	0.076	98	0.036	100	0.081	100	0.086	100	0.118	100	0.113	88
NL0008R	lead	pm10	ng/m3	7.016	45	7.756	46	3.885	48	2.869	43	3.008	49	3.088	43	2.512	48	3.416	49	3.984	47	3.265	19	4.862	50	4.057	36	4.163	44
NL0644R	lead	pm25	ng/m3	8.600	19	7.457	25	3.039	26	2.754	20	2.462	23	2.263	20	3.099	26	2.519	23	5.320	27	8.955	16	6.393	23	4.726	26	4.672	23
NO0002R	lead	pm10	ng/m3	1.094	100	0.775	100	0.540	100	0.458	100	0.589	97	0.287	47	0.278	87	0.320	100	0.999	100	0.681	100	0.145	100	0.119	100	0.536	94
NO0042G	lead	aerosol	ng/m3	0.393	32	0.497	14	0.372	26	0.977	27	0.132	32	0.064	20	0.004	3	0.004	16	0.052	33	0.285	26	0.137	23	0.209	26	0.281	23
NO0090R	lead	aerosol	ng/m3	0.092	32	0.199	29	0.121	26	0.268	27	0.132	35	0.800	7	0.217	29	0.049	29	0.884	27	0.192	32	0.110	27	0.050	19	0.219	27
SE0014R	lead	aerosol	ng/m3	2.594	56	2.864	100	1.100	39	0.490	93	1.137	100	0.550	100	0.325	100	0.720	100	1.800	100	0.564	94	0.548	60	0.400	100	1.040	87
SE0020R	lead	aerosol	ng/m3	2.600	100	1.764	50	1.300	55	0.684	100	0.952	100	0.672	100	0.714	100	1.100	100	2.090	100	1.009	100	1.032	100	0.590	77	1.191	90
ES0008R	mercury	air	ng/m3	-	-	-	-	-	-	-	-	-	-	-	-	0.583	40	0.639	100	0.565	99	0.531	99	0.537	98	0.540	99	-	-
GB1055R	mercury	air	ng/m3	1.588	100	1.530	96	1.452	45	1.382	19	1.460	100	1.384	100	1.338	68	1.344	93	1.352	100	1.290	98	1.309	23	-	0	1.412	70
GB0048R	mercury	air	ng/m3	-	-	-	-	-	-	1.406	14	1.537	54	1.450	84	1.399	93	1.323	85	1.360	58	1.354	94	1.294	67	1.289	92	1.370	54
NO0002R	mercury	air	ng/m3	1.628	20	1.662	100	1.566	99	1.476	100	1.612	94	1.582	100	1.506	100	1.396	100	1.307	100	1.275	100	1.243	100	1.274	97	1.447	92
NO0042G	mercury	air	ng/m3	1.546	94	1.582	98	1.335	98	1.496	100	1.074	100	1.601	98	1.533	74	1.470	100	1.403	99	1.313	100	1.376	96	1.432	96	1.425	96
NO0090R	mercury	air	ng/m3	1.487	88	1.498	97	1.510	93	1.417	96	1.453	96	1.420	98	1.378	99	1.347	98	1.278	89	1.340	97	1.338	96	1.395	96	1.405	95
SE0014R	mercury	air+aerosol	ng/m3	1.425	26	1.550	29	1.363	26	1.425	27	1.354	28	1.242	28	1.289	29	1.325	26	1.329	29	1.342	27	1.322	30	1.300	35	1.352	28
SE0020R	mercury	air+aerosol	ng/m3	1.390	15	1.394	14	1.300	14	1.150	13	1.460	16	1.333	10	1.300	13	1.350	13	1.400	13	1.316	15	1.329	14	1.350	13	1.342	14
IS0091R	mercury	aerosol	pg/m3	2.784	100	2.729	100	1.844	100	1.354	100	1.491	50	6.608	58	6.470	56	6.147	98	1.937	100	0.868	100	0.977	100	1.046	100	2.618	88
SE0014R	mercury	aerosol	pg/m3	3.243	23	6.267	21	3.700	29	3.156	30	8.206	28	6.400	28	4.722	29	4.511	29	6.906	29	2.761	27	4.144	30	2.171	23	4.701	27
BE0014R	nickel	pm10	ng/m3	3.874	100	2.282	100	2.067	87.0968	2.400	93.3333	1.723	83.871	3.010	96.6667	2.852	100	4.762	93.5484	3.293	100	3.436	100.000	1.620	100.000	1.826	100.000	2.781	96.1644
DE0001R	nickel	pm10	ng/m3	0.463	94	0.643	100	0.585	100	0.420	100	0.595	100	0.624	100	0.427	100	0.328	100	1.007	100	0.646	100	0.301	100	0.304	100	0.527	99
DK0008R	nickel	aerosol	ng/m3	0.241	100	0.462	100	0.605	100	0.408	93	1.086	100	0.672	100	0.483	97	0.402	94	0.341	93	0.123	94	0.262	100	0.581	100	0.476	98
DK0012R	nickel	aerosol	ng/m3	0.989	97	0.668	100	0.475	97	0.725	93	0.722	97	0.485	90	0.511	100	0.610	100	0.533	87	0.581	100	0.527	100	0.241	100	0.588	97
ES0008R	nickel	pm10	ng/m3	0.684	16	0.552	18	1.076	16	0.498	17	0.792	16	0.702	17	0.616	15	0.471	17	0.552	17	0.674	16	0.700	17	0.402	16	0.643	16
GB0013R	nickel	pm10	ng/m3	0.692	100	0.729	100	0.403	100	0.318	100	0.605	100	0.437	100	0.505	100	0.437	100	0.468	100	0.466	100	0.352	100	0.241	100	0.470	100
GB0017R	nickel	pm10	ng/m3	1.058	100	0.561	100	0.655	100	0.549	100	0.888	100	0.855	100	0.694	100	0.476	100	0.521	100	0.619	100	0.424	100	0.310	100	0.635	100

				Jan.		Febr.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		2017	
Code	**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**
IS0091R	nickel	aerosol	ng/m3	0.261	100	0.468	100	0.541	100	1.181	100	0.794	50	0.358	58	2.100	56	0.588	98	0.241	100	0.350	100	0.533	100	0.215	100	0.579	88
NL0008R	nickel	pm10	ng/m3	0.961	45	0.866	46	1.116	48	0.703	43	0.957	49	0.790	43	0.704	48	1.127	49	0.977	47	0.637	19	0.960	50	1.068	36	0.921	44
NL0644R	nickel	pm25	ng/m3	2.521	16	1.709	25	0.594	26	0.424	20	1.005	23	0.628	20	0.750	26	0.573	23	0.448	27	0.513	16	0.721	23	0.651	26	0.844	22
NO0002R	nickel	pm10	ng/m3	0.166	100	0.151	100	0.146	100	0.157	100	0.244	97	0.138	47	0.203	87	0.177	100	0.203	100	0.139	100	0.048	100	0.051	100	0.152	94
NO0042G	nickel	aerosol	ng/m3	0.188	32	0.247	14	0.961	26	0.336	27	0.323	32	0.043	20	0.015	3	0.076	16	0.104	33	0.722	26	0.584	23	0.325	26	0.360	23
NO0090R	nickel	aerosol	ng/m3	0.094	32	0.120	29	0.074	26	0.371	27	0.207	35	0.159	7	0.224	29	0.224	29	0.197	27	0.153	32	0.224	27	0.153	19	0.185	27
SE0014R	nickel	aerosol	ng/m3	0.433	56	0.487	100	0.580	39	0.370	93	0.668	100	0.460	100	0.393	100	0.340	100	0.270	100	0.251	94	0.199	60	0.230	100	0.385	87
SE0020R	nickel	aerosol	ng/m3	0.150	100	0.179	50	0.195	55	0.237	100	0.269	100	0.263	100	0.303	100	0.370	100	0.271	100	0.261	100	0.270	100	0.270	77	0.259	90
BE0014R	zinc	pm10	ng/m3	37.965	100	37.261	100	32.200	87.0968	21.443	93.3333	17.446	83.871	31.031	96.6667	18.942	100	18.197	93.5484	19.613	100	12.603	100.000	14.940	100.000	9.252	100.000	22.429	96.1644
ES0008R	zinc	pm10	ng/m3	35.002	16	23.344	18	57.834	16	17.272	17	24.672	16	23.774	17	14.086	15	6.066	17	11.310	17	9.944	16	15.580	17	9.036	16	20.621	16
DE0001R	zinc	pm10	ng/m3	9.541	100	14.909	100	7.341	100	3.146	100	5.154	100	6.279	100	2.572	100	3.341	100	12.206	100	7.628	100	3.886	100	2.729	100	6.494	100
GB0013R	zinc	pm10	ng/m3	6.377	100	5.516	100	5.178	100	4.242	100	4.622	100	3.008	100	3.036	100	2.027	100	3.043	100	3.103	100	3.433	100	3.474	100	3.914	100
GB0017R	zinc	pm10	ng/m3	12.798	100	12.459	100	19.542	100	7.744	100	6.444	100	8.073	100	5.895	100	6.586	100	9.241	100	14.381	100	11.656	100	9.924	100	10.392	100
GB0048R	zinc	pm10	ng/m3	4.032	100	4.547	100	2.810	100	3.387	100	4.024	100	1.558	100	2.269	100	1.092	100	1.579	100	3.334	100	2.842	100	1.304	100	2.721	100
GB1055R	zinc	pm10	ng/m3	16.082	100	10.573	100	7.656	100	8.981	100	10.962	100	5.485	100	5.090	100	4.269	100	6.879	100	9.760	100	11.031	100	7.276	100	8.661	100
IS0091R	zinc	aerosol	ng/m3	0.689	100	0.930	100	1.201	100	2.203	100	3.222	50	1.275	58	0.940	56	1.303	98	0.647	100	0.704	100	1.251	100	1.130	100	1.216	88
NL0008R	zinc	pm10	ng/m3	35.707	45	41.644	46	29.865	48	27.931	43	31.772	49	31.932	43	25.403	48	28.957	49	33.616	47	29.807	19	30.433	50	28.873	36	31.342	44
NL0644R	zinc	pm25	ng/m3	24.754	19	30.119	25	21.830	26	23.408	20	37.042	23	18.805	20	21.775	26	19.477	23	28.000	27	21.525	16	26.980	23	19.664	26	24.525	23
NO0002R	zinc	pm10	ng/m3	3.393	100	3.743	100	2.373	100	2.307	100	2.526	97	3.294	47	2.900	87	1.826	100	9.921	100	3.983	100	0.886	100	0.857	100	3.151	94
NO0042G	zinc	aerosol	ng/m3	2.496	32	2.025	14	1.261	26	2.308	27	0.576	32	0.148	20	1.955	3	2.329	16	1.892	33	2.080	26	1.394	23	0.819	26	1.573	23
NO0090R	zinc	aerosol	ng/m3	0.781	32	1.400	29	0.877	26	2.164	27	0.999	35	0.731	7	0.673	29	0.486	29	2.040	27	0.768	32	0.286	27	0.288	19	0.971	27
SE0014R	zinc	aerosol	ng/m3	9.069	56	10.643	100	6.000	39	3.200	93	4.748	100	2.400	100	1.690	100	3.471	100	8.000	100	2.786	94	3.567	60	2.400	100	4.602	87
SE0020R	zinc	aerosol	ng/m3	7.200	100	5.850	50	5.594	55	4.120	100	3.542	100	2.967	100	3.368	100	5.000	100	8.420	100	4.877	100	5.147	100	3.500	77	4.922	90

Table A.2.6 : Concentrations of POPs in precipitation and total deposition, 2017

				Jan.		Febr.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		2017	
Code	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
BE0013R	anthracene	precip+dry_dep	ng/m2day	11.5232	100	10.12	100	5.9497	100	17.8873	100	20.2274	100	3.35	100	2.2158	100	1.0297	100	7.3807	100	6.3271	100	13.1913	100	19.4716	100	9.8814	100
BE0013R	benz_a_anthracene	precip+dry_dep	ng/m2day	7.731	100	6.7696	100	5.7332	100	20.6793	100	44.8932	100	4.358	100	17.7423	100	22.2277	100	15.9847	100	15.3097	100	25.2627	100	28.8252	100	18.0669	100
BE0013R	benzo_a_pyrene	precip+dry_dep	ng/m2day	40.2945	100	22.6382	100	8.2781	100	32.8607	100	72.8865	100	3.606	100	6.491	100	4.4884	100	15.0327	100	16.8748	100	31.0767	100	88.269	100	28.7019	100
BE0013R	benzo_b_fluoranthene	precip+dry_dep	ng/m2day	15.6874	100	11.9196	100	8.1703	100	35.102	100	68.9923	100	3.102	100	5.4613	100	4.4884	100	20.7333	100	23.6897	100	39.7953	100	49.6516	100	23.9893	100
BE0013R	benzo_ghi_perylene	precip+dry_dep	ng/m2day	7.731	100	8.38	100	5.8955	100	19.4527	100	28.7497	100	2.601	100	18.3926	100	23.0948	100	10.284	100	9.5723	100	29.2873	100	26.0674	100	15.8575	100
BE0013R	benzo_k_fluoranthene	precip+dry_dep	ng/m2day	7.731	100	6.7696	100	4.1074	100	17.658	100	35.2374	100	2.097	100	3.4081	100	2.0545	100	10.0027	100	11.8448	100	19.894	100	24.8248	100	12.1768	100
BE0013R	chrysene	precip+dry_dep	ng/m2day	31.9648	100	19.0389	100	14.8703	100	49.1807	100	118.3487	100	8.219	100	31.8613	100	39.3765	100	30.512	100	27.3642	100	57.7907	100	89.6806	100	43.4565	100
BE0013R	dibenzo_ah_anthracene	precip+dry_dep	ng/m2day	3.0261	100	0.9296	100	1.4348	100	9.836	100	6.6774	100	1.593	100	2.3784	100	2.0545	100	4.302	100	3.9461	100	16.88	100	9.6306	100	5.2273	100
BE0013R	fluoranthene	precip+dry_dep	ng/m2day	43.0558	100	27.5486	100	27.0435	100	93.4533	100	274.4935	100	11.398	100	76.2065	100	95.4619	100	47.8953	100	44.4587	100	84.2853	100	121.5326	100	79.5401	100
BE0013R	fluorene	precip+dry_dep	ng/m2day	2.7613	100	1.68	100	3.4045	100	6.5953	100	13.3626	100	2.181	100	33.8571	100	46.46	100	6.4817	100	2.8687	100	27.5007	100	28.7771	100	14.811	100
BE0013R	inden_123cd_pyrene	precip+dry_dep	ng/m2day	6.2765	100	6.71	100	5.7332	100	17.7727	100	27.449	100	2.097	100	3.4081	100	2.8674	100	8.8323	100	8.4948	100	30.0667	100	26.3906	100	12.1922	100
BE0013R	naphthalene	precip+dry_dep	ng/m2day	14.4926	100	16.65	100	21.3132	100	16.9927	100	17.6835	100	13.581	100	8.1129	100	10.7106	100	25.321	100	25.3697	100	43.932	100	42.5123	100	21.3892	100
BE0013R	pyrene	precip+dry_dep	ng/m2day	29.4794	100	20.5393	100	21.6342	100	69.0767	100	183.6265	100	9.889	100	56.8965	100	72.2048	100	36.9463	100	35.2665	100	63.2687	100	93.3558	100	58.1285	100
DE0001R	alpha_HCH	precip_tot	ng/L	0.1187	100	0.0944	100	0.0805	100	0.077	100	0.0823	6	0.0917	100	0.0869	100	0.0928	100	0.0945	100	0.1054	100	0.1346	100	0.1168	100	0.0993	92
DE0001R	gamma_HCH	precip_tot	ng/L	0.9763	100	0.8289	100	0.8735	100	0.9776	100	0.9601	6	0.9259	100	0.8318	100	0.8089	100	0.5878	100	0.8637	100	0.7146	100	0.7793	100	0.8347	92
DE0001R	HCB	precip_tot	ng/L	0.1689	100	0.0686	100	0.1157	100	0.1499	100	0.1219	6	0.0712	100	0.0894	100	0.0844	100	0.0411	100	0.168	100	0.1691	100	0.1227	100	0.1141	92
DE0001R	aldrin	precip_tot	ng/L	0.0014	100	0.0011	100	0.0016	100	0.0018	100	0.0014	6	0.0008	100	0.0007	100	0.0007	100	0.0004	100	0.0005	100	0.0007	100	0.0007	100	0.0009	92
DE0001R	anthracene	precip_tot	ng/L	0.3441	100	0.3488	100	0.1487	100	0.624	100	0.7112	6	0.8512	100	0.0642	100	0.0633	100	0.0815	100	0.8507	100	1.2079	100	0.9006	100	0.4989	92
DE0001R	benz_a_anthracene	precip_tot	ng/L	1.5577	100	1.9985	100	1.0798	100	1.9806	100	3.1332	6	5.1294	100	0.7665	100	0.9538	100	0.4039	100	0.9809	100	1.7629	100	1.547	100	1.6487	92
DE0001R	benzo_a_pyrene	precip_tot	ng/L	1.4156	100	1.9067	100	1.1907	100	1.2905	100	3.3217	6	6.8776	100	0.7698	100	1.0305	100	0.3655	100	0.7705	100	1.7892	100	1.4916	100	1.7156	92
DE0001R	benzo_bjk_fluoranthenes	precip_tot	ng/L	4.8838	100	9.0177	100	3.8765	100	5.0718	100	9.3501	6	16.8117	100	2.763	100	3.3735	100	1.899	100	2.1015	100	4.5267	100	4.0843	100	5.2799	92
DE0001R	benzo_ghi_perylene	precip_tot	ng/L	2.2309	100	3.9788	100	1.7918	100	1.4767	100	2.9836	6	5.6183	100	0.944	100	1.0911	100	0.4795	100	1.3671	100	2.9802	100	2.5621	100	2.2131	92
DE0001R	chrysene_triphenylene	precip_tot	ng/L	5.0996	100	6.0246	100	2.5178	100	2.9982	100	4.9404	6	8.325	100	1.8317	100	1.9872	100	1.0915	100	2.73	100	4.6073	100	3.7551	100	3.7047	92
DE0001R	dibenzo_ah_anthracene	precip_tot	ng/L	0.5351	100	0.7917	100	0.3269	100	0.5042	100	0.7749	6	1.2427	100	0.1771	100	0.2107	100	0.1017	100	0.2484	100	0.6387	100	0.5119	100	0.4781	92
DE0001R	dieldrin	precip_tot	ng/L	0.0668	100	0.0574	100	0.0402	100	0.0521	100	0.0512	6	0.0493	100	0.0411	100	0.0435	100	0.0347	100	0.0064	100	0.0854	100	0.0026	100	0.0434	92
DE0001R	endrin	precip_tot	ng/L	0.004	100	0.0031	100	0.0044	100	0.0049	100	0.004	6	0.0022	100	0.002	100	0.002	100	0.0012	100	0.0014	100	0.0019	100	0.002	100	0.0026	92
DE0001R	fluoranthene	precip_tot	ng/L	12.639	100	13.9151	100	6.336	100	7.2915	100	11.3402	6	18.407	100	5.3442	100	5.49	100	2.9713	100	7.3991	100	10.6386	100	8.7408	100	8.9761	92

				Jan.		Febr.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		2017	
Code	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
DE0001R	heptachlor	precip_tot	ng/L	0.0012	100	0.0009	100	0.0013	100	0.0015	100	0.0012	6	0.0007	100	0.0006	100	0.0006	100	0.0004	100	0.0004	100	0.0006	100	0.0006	100	0.0008	92
DE0001R	inden_123cd_pyrene	precip_tot	ng/L	2.1335	100	4.2121	100	1.9069	100	2.0974	100	3.4899	6	5.9074	100	0.8804	100	1.0905	100	0.5313	100	1.3544	100	2.8701	100	2.5374	100	2.3039	92
DE0001R	phenanthrene	precip_tot	ng/L	19.4706	100	15.4379	100	11.2325	100	16.2469	100	16.8322	6	17.6647	100	7.9351	100	7.0359	100	4.8739	100	19.3309	100	26.9152	100	23.0658	100	15.3784	92
DE0001R	pyrene	precip_tot	ng/L	7.6071	100	8.1499	100	4.8439	100	4.8437	100	8.4152	6	14.6504	100	3.1761	100	3.1897	100	1.6924	100	4.7875	100	7.7154	100	5.5634	100	6.0009	92
DE0001R	op_DDD	precip_tot	ng/L	0.001	100	0.0008	100	0.0011	100	0.0013	100	0.001	6	0.0006	100	0.0005	100	0.0005	100	0.0003	100	0.0004	100	0.0005	100	0.0005	100	0.0007	92
DE0001R	op_DDE	precip_tot	ng/L	0.001	100	0.0008	100	0.0011	100	0.0012	100	0.001	6	0.0006	100	0.0005	100	0.0005	100	0.0003	100	0.0003	100	0.0005	100	0.0005	100	0.0007	92
DE0001R	op_DDT	precip_tot	ng/L	0.0032	100	0.0025	100	0.0036	100	0.004	100	0.0032	6	0.0018	100	0.0017	100	0.0016	100	0.0009	100	0.0011	100	0.0015	100	0.0017	100	0.0022	92
DE0001R	PCB_101	precip_tot	ng/L	0.0703	100	0.0112	100	0.0156	100	0.0428	100	0.0417	6	0.0391	100	0.0176	100	0.021	100	0.0136	100	0.043	100	0.0842	100	0.0637	100	0.0385	92
DE0001R	PCB_118	precip_tot	ng/L	0.0104	100	0.0081	100	0.0115	100	0.0129	100	0.0104	6	0.0058	100	0.0053	100	0.0053	100	0.0036	100	0.0184	100	0.0997	100	0.0807	100	0.0238	92
DE0001R	PCB_138	precip_tot	ng/L	0.0218	100	0.017	100	0.0241	100	0.0271	100	0.0219	6	0.0122	100	0.0112	100	0.011	100	0.0072	100	0.0243	100	0.0809	100	0.0293	100	0.0242	92
DE0001R	PCB_153	precip_tot	ng/L	0.023	100	0.0179	100	0.0254	100	0.0286	100	0.0231	6	0.0129	100	0.0118	100	0.0117	100	0.0077	100	0.0253	100	0.0464	100	0.0118	100	0.0202	92
DE0001R	PCB_180	precip_tot	ng/L	0.0088	100	0.0069	100	0.0097	100	0.011	100	0.0088	6	0.0049	100	0.0045	100	0.0045	100	0.0033	100	0.0163	100	0.0217	100	0.0045	100	0.0088	92
DE0001R	PCB_28	precip_tot	ng/L	0.7201	100	0.3018	100	0.4281	100	0.6946	100	0.5576	6	0.3063	100	0.2494	100	0.2548	100	0.1037	100	0.1602	100	0.3085	100	0.2555	100	0.3454	92
DE0001R	PCB_52	precip_tot	ng/L	0.26	100	0.1017	100	0.1708	100	0.2474	100	0.1961	6	0.1024	100	0.101	100	0.0979	100	0.0499	100	0.1053	100	0.007	100	0.1301	100	0.1258	92
DE0001R	pp_DDD	precip_tot	ng/L	0.002	100	0.0016	100	0.0026	100	0.0196	100	0.0131	6	0.0011	100	0.001	100	0.001	100	0.0006	100	0.0007	100	0.001	100	0.001	100	0.003	92
DE0001R	pp_DDE	precip_tot	ng/L	0.02	100	0.0075	100	0.0156	100	0.0164	100	0.0559	6	0.1255	100	0.0195	100	0.0016	100	0.0025	100	0.029	100	0.0444	100	0.0262	100	0.0281	92
DE0001R	pp_DDT	precip_tot	ng/L	0.0038	100	0.003	100	0.0042	100	0.0047	100	0.0038	6	0.0021	100	0.0019	100	0.0019	100	0.0011	100	0.0013	100	0.0018	100	0.002	100	0.0025	92
ES0008R	acenaphthene	precip+dry_dep	ng/m2day	-	-	0	96	-	-	0	97	-	-	3.04	97	-	-	-	-	-	-	0	97	-	-	-	-	-	-
ES0008R	acenaphthylene	precip+dry_dep	ng/m2day	-	-	0	96	-	-	0	97	-	-	0	97	-	-	-	-	-	-	0	97	-	-	-	-	-	-
ES0008R	anthracene	precip+dry_dep	ng/m2day	-	-	0	96	-	-	0	97	-	-	1.6	97	-	-	-	-	-	-	6.29	97	-	-	-	-	-	-
ES0008R	benz_a_anthracene	precip+dry_dep	ng/m2day	-	-	0	96	-	-	0	97	-	-	0	97	-	-	-	-	-	-	0	97	-	-	-	-	-	-
ES0008R	benzo_a_pyrene	precip+dry_dep	ng/m2day	-	-	0	96	-	-	0	97	-	-	0	97	-	-	-	-	-	-	0	97	-	-	-	-	-	-
ES0008R	benzo_ghi_perylene	precip+dry_dep	ng/m2day	-	-	0	96	-	-	0	97	-	-	0	97	-	-	-	-	-	-	0	97	-	-	-	-	-	-
ES0008R	benzo_k_fluoranthene	precip+dry_dep	ng/m2day	-	-	0.69	96	-	-	0	97	-	-	0	97	-	-	-	-	-	-	0	97	-	-	-	-	-	-
ES0008R	chrysene	precip+dry_dep	ng/m2day	-	-	2.24	96	-	-	0.45	97	-	-	1.2	97	-	-	-	-	-	-	0.7	97	-	-	-	-	-	-
ES0008R	dibenzo_ah_anthracene	precip+dry_dep	ng/m2day	-	-	0	96	-	-	0	97	-	-	0	97	-	-	-	-	-	-	0	97	-	-	-	-	-	-
ES0008R	fluoranthene	precip+dry_dep	ng/m2day	-	-	2.36	96	-	-	0	97	-	-	0.89	97	-	-	-	-	-	-	0.23	97	-	-	-	-	-	-
ES0008R	fluorene	precip+dry_dep	ng/m2day	-	-	8.36	96	-	-	0	97	-	-	4.92	97	-	-	-	-	-	-	81.27	97	-	-	-	-	-	-
ES0008R	inden_123cd_pyrene	precip+dry_dep	ng/m2day	-	-	0	96	-	-	0	97	-	-	0	97	-	-	-	-	-	-	0	97	-	-	-	-	-	-
ES0008R	naphthalene	precip+dry_dep	ng/m2day	-	-	1.24	96	-	-	0.45	97	-	-	7.66	97	-	-	-	-	-	-	0.58	97	-	-	-	-	-	-
ES0008R	phe-threne	precip+dry_dep	ng/m2day	-	-	2.79	96	-	-	0.87	97	-	-	6.37	97	-	-	-	-	-	-	1.03	97	-	-	-	-	-	-
ES0008R	pyrene	precip+dry_dep	ng/m2day	-	-	1.28	96	-	-	0	97	-	-	0.85	97	-	-	-	-	-	-	0.33	97	-	-	-	-	-	-
IS0091R	alpha_HCH	precip	ng/L	0.03	100	0.016	100	0.0362	100	0.0215	100	0.0182	100	0.03	100	0.0297	100	0.0356	100	0.0307	100	0.0343	100	0.0589	100	0.0251	100	0.0293	100
IS0091R	BDE_100	precip	ng/L	0.0029	100	0.0023	100	0.004	100	0.002	100	0.0041	100	0.0063	100	0.0054	100	0.0058	100	0.0028	100	0.0038	100	0.0051	100	0.0029	100	0.0035	100
IS0091R	BDE_47	precip	ng/L	0.0087	100	0.0067	100	0.0041	100	0.0045	100	0.0102	100	0.0064	100	0.0082	100	0.0058	100	0.009	100	0.004	100	0.0092	100	0.0098	100	0.0072	100

				Jan.		Febr.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		2017	
Code	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
IS0091R	BDE_99	precip	ng/L	0.0069	100	0.0053	100	0.0041	100	0.0045	100	0.0082	100	0.0063	100	0.0054	100	0.0058	100	0.0062	100	0.0041	100	0.0103	100	0.0065	100	0.0061	100
IS0091R	beta_HCH	precip	ng/L	0.0029	100	0.0023	100	0.004	100	0.002	100	0.0041	100	0.0063	100	0.0054	100	0.0058	100	0.0028	100	0.0041	100	0.0098	100	0.0029	100	0.0039	100
IS0091R	cis_CD	precip	ng/L	0.0029	100	0.0025	100	0.004	100	0.002	100	0.0041	100	0.0063	100	0.0054	100	0.0058	100	0.0028	100	0.0039	100	0.0065	100	0.0076	100	0.0041	100
IS0091R	dieldrin	precip	ng/L	0.0157	100	0.0158	100	0.0219	100	0.0145	100	0.0067	100	0.0114	100	0.0123	100	0.01	100	0.0106	100	0.0137	100	0.0269	100	0.0203	100	0.0153	100
IS0091R	gamma_HCH	precip	ng/L	0.0941	100	0.0115	100	0.1273	100	0.0387	100	0.075	100	0.0899	100	0.0478	100	0.1397	100	0.0303	100	0.0579	100	0.0707	100	0.0632	100	0.0627	100
IS0091R	HCB	precip	ng/L	0.0617	100	0.0075	100	0.0133	100	0.0115	100	0.0073	100	0.007	100	0.0082	100	0.0072	100	0.0073	100	0.0105	100	0.015	100	0.0101	100	0.0149	100
IS0091R	op_DDT	precip	ng/L	0.0029	100	0.0023	100	0.004	100	0.002	100	0.0041	100	0.0063	100	0.0054	100	0.0058	100	0.0028	100	0.0037	100	0.0042	100	0.0076	100	0.0039	100
IS0091R	PCB_101	precip	ng/L	0.0029	100	0.0023	100	0.0042	100	0.0035	100	0.0041	100	0.0063	100	0.0054	100	0.0058	100	0.0028	100	0.0037	100	0.0047	100	0.0109	100	0.0044	100
IS0091R	PCB_105	precip	ng/L	0.0029	100	0.0023	100	0.004	100	0.002	100	0.0041	100	0.0063	100	0.0054	100	0.0058	100	0.0028	100	0.0037	100	0.0039	100	0.006	100	0.0037	100
IS0091R	PCB_118	precip	ng/L	0.0029	100	0.0023	100	0.004	100	0.002	100	0.0041	100	0.0063	100	0.0054	100	0.0058	100	0.0028	100	0.0037	100	0.0044	100	0.0093	100	0.004	100
IS0091R	PCB_138	precip	ng/L	0.0061	100	0.0023	100	0.004	100	0.002	100	0.0041	100	0.0063	100	0.0054	100	0.0058	100	0.0028	100	0.0037	100	0.0043	100	0.0087	100	0.0043	100
IS0091R	PCB_153	precip	ng/L	0.0098	100	0.0023	100	0.004	100	0.002	100	0.0041	100	0.0063	100	0.0054	100	0.0058	100	0.0028	100	0.0037	100	0.005	100	0.0132	100	0.0051	100
IS0091R	PCB_156	precip	ng/L	0.0029	100	0.0023	100	0.004	100	0.002	100	0.0041	100	0.0063	100	0.0054	100	0.0058	100	0.0028	100	0.0037	100	0.0035	100	0.0029	100	0.0034	100
IS0091R	PCB_180	precip	ng/L	0.0078	100	0.0034	100	0.004	100	0.002	100	0.0041	100	0.0063	100	0.0054	100	0.0058	100	0.0028	100	0.0037	100	0.0037	100	0.0043	100	0.0042	100
IS0091R	PCB_28	precip	ng/L	0.0073	100	0.0055	100	0.0103	100	0.0055	100	0.0101	100	0.016	100	0.0135	100	0.014	100	0.0067	100	0.0092	100	0.0092	100	0.0079	100	0.0086	100
IS0091R	PCB_31	precip	ng/L	0.0073	100	0.0055	100	0.0103	100	0.0055	100	0.0101	100	0.016	100	0.0135	100	0.014	100	0.0067	100	0.0092	100	0.0092	100	0.0079	100	0.0086	100
IS0091R	PCB_52	precip	ng/L	0.0031	100	0.0051	100	0.0041	100	0.003	100	0.0041	100	0.0063	100	0.0054	100	0.0058	100	0.0028	100	0.0037	100	0.0035	100	0.0029	100	0.0039	100
IS0091R	pp_DDD	precip	ng/L	0.0029	100	0.0023	100	0.004	100	0.002	100	0.0041	100	0.0063	100	0.0054	100	0.0058	100	0.0028	100	0.0037	100	0.0035	100	0.0029	100	0.0034	100
IS0091R	pp_DDE	precip	ng/L	0.0142	100	0.0023	100	0.004	100	0.002	100	0.0041	100	0.0063	100	0.0054	100	0.0058	100	0.0028	100	0.0037	100	0.0043	100	0.0082	100	0.0051	100
IS0091R	pp_DDT	precip	ng/L	0.0056	100	0.0045	100	0.0082	100	0.0045	100	0.008	100	0.0126	100	0.0107	100	0.0112	100	0.0053	100	0.0074	100	0.0074	100	0.0062	100	0.0068	100
IS0091R	trans_CD	precip	ng/L	0.0029	100	0.0023	100	0.004	100	0.002	100	0.0041	100	0.0063	100	0.0054	100	0.0058	100	0.0028	100	0.0037	100	0.0035	100	0.0029	100	0.0034	100
IS0091R	trans_NO	precip	ng/L	0.0029	100	0.0039	100	0.004	100	0.002	100	0.0041	100	0.0111	100	0.0054	100	0.0058	100	0.0028	100	0.0039	100	0.0075	100	0.0093	100	0.0047	100
IS0091R	precipitation_amount	precip	ng/L	72	92	91	100	50	100	88	100	51	100	32	100	36	100	35	100	81	100	51	100	57	100	59	100	702	99
NL0091R	acenaphthene	precip	ng/L	0.7155	100	1.6949	100	1.8245	100	1.7138	100	1.4111	100	0.8576	100	0.9521	100	1.103	100	0.57	100	0.8823	100	1.2083	100	1.48	100	1.0818	100
NL0091R	acenaphthylene	precip	ng/L	6.5667	100	9.5346	100	6.5469	100	3.9118	100	3.9689	100	1.8787	100	0.8459	100	0.9599	100	0.64	100	1.1123	100	1.4943	100	3.03	100	2.5005	100
NL0091R	anthracene	precip	ng/L	1.251	100	1.2773	100	1.113	100	1.9465	100	1.9056	100	1.1162	100	0.8866	100	1.1016	100	0.4613	100	1.1446	100	1.3279	100	1.59	100	1.109	100
NL0091R	benz_a_anthracene	precip	ng/L	3.0105	100	2.0468	100	1.9044	100	5.2106	100	4.9378	100	3.5435	100	2.3283	100	2.0638	100	1.0999	100	1.9446	100	3.0921	100	4.31	100	2.5819	100
NL0091R	benzo_a_pyrene	precip	ng/L	3.705	100	1.7882	100	1.4924	100	7.6406	100	6.9822	100	5.9791	100	4.0511	100	3.815	100	1.6185	100	2.7843	100	3.3744	100	4.47	100	3.4483	100
NL0091R	benzo_bjk_fluoranthenes	precip	ng/L	17.2741	100	11.8951	100	6.8455	100	18.6136	100	17.6845	100	14.8982	100	10.4716	100	7.3366	100	4.1318	100	7.096	100	13.4872	100	17.49	100	10.6241	100
NL0091R	benzo_ghi_perylene	precip	ng/L	6.8554	100	4.0848	100	2.6445	100	7.3895	100	6.2989	100	5.3339	100	3.8497	100	2.7539	100	1.4779	100	2.7343	100	5.3339	100	6.45	100	3.9805	100
NL0091R	chrysene	precip	ng/L	13.1629	100	8.7079	100	4.9796	100	11.4825	100	10.6345	100	8.0335	100	5.5856	100	4.3704	100	2.7159	100	4.7165	100	9.2514	100	11.09	100	6.8179	100
NL0091R	dibenzo_ah_anthracene	precip	ng/L	1.3302	100	0.8127	100	0.607	100	1.7132	100	1.4311	100	1.1708	100	0.832	100	0.6006	100	0.3173	100	0.5249	100	0.9975	100	1.26	100	0.8231	100
NL0091R	fluoranthene	precip	ng/L	20.9825	100	18.7238	100	9.5989	100	19.139	100	18.7967	100	12.5312	100	8.4611	100	7.5013	100	4.8432	100	6.674	100	10.8719	100	16.68	100	10.7748	100
NL0091R	fluorene	precip	ng/L	4.2934	100	4.2639	100	1.6412	100	2.9006	100	2.9722	100	1.938	100	1.6698	100	1.0088	100	1.1894	100	1.7522	100	2.3023	100	3.81	100	2.1602	100
NL0091R	gamma_HCH	precip	ng/L	0.2581	100	0.4128	100	0.2274	100	0.9568	100	1.1145	100	0.6496	100	0.5068	100	0.5438	100	0.224	100	0.2	100	0.2	100	0.2	100	0.3724	100
NL0091R	inden_123cd_pyrene	precip	ng/L	5.3681	100	3.5503	100	1.9428	100	5.7179	100	5.1867	100	4.4506	100	3.1686	100	2.2752	100	1.1413	100	1.9846	100	3.8276	100	4.99	100	3.1094	100
NL0091R	naphthalene	precip	ng/L	11.7063	100	12.5465	100	6.0347	100	7.5315	100	7.3611	100	5.5503	100	3.7076	100	5.0565	100	2.4631	100	3.6243	100	4.6444	100	8.39	100	5.4786	100
NL0091R	phenthrene	precip	ng/L	22.1438	100	22.7344	100	11.477	100	15.6055	100	16.1201	100	10.0851	100	7.3107	100	8.4285	100	5.2204	100	6.2094	100	9.2614	100	17.4	100	10.6359	100
NL0091R	pyrene	precip	ng/L	10.7001	100	8.6983	100	5.887	100	13.476	100	12.6811	100	8.958	100	6.0742	100	4.7258	100	2.9446	100	4.8015	100	7.3216	100	12.66	100	7.0391	100
NL0091R	precipitati	precip	ng/L	44	100	36	100	62	100	27	100	41	100	56	100	76	100	75	100	180	100	82	100	100	100	85	84	864	99

				Jan.		Febr.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		2017	
Code	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
	on_amount																												
NO0001R	alpha_HCH	precip	ng/L	86.238	100	57.6495	100	55.4557	100	56.2374	100	75.8921	100	71.2301	100	66.6094	100	72.8507	100	125.1096	100	97.6915	100	59.6991	100	51.2153	97	87.5169	100
NO0001R	gamma_HCH	precip	ng/L	193.4449	100	99.8134	100	117.67	100	56.9183	100	384.5786	100	207.4875	100	169.4174	100	208.0641	100	191.1082	100	201.6276	100	138.0709	100	123.017	100	178.6095	100
NO0001R	HCB	precip	ng/L	55.249	100	42.7869	100	70.6366	100	92.6928	100	82.6026	100	162.3191	100	74.0702	100	51.6249	100	51.9194	100	46.0175	100	77.6393	100	67.5915	100	60.3717	100
NO0001R	PCB_101	precip	ng/L	8.5731	100	7.3208	100	12.0882	100	15.8341	100	14.1134	100	27.7618	100	12.6861	100	8.8924	100	7.4579	100	7.1692	100	9.375	100	11.5665	100	9.3591	100
NO0001R	PCB_118	precip	ng/L	5.423	100	3.3966	100	5.6063	100	7.3433	100	8.8249	100	12.8741	100	6.693	100	6.6636	100	6.5995	100	3.6977	100	4.9823	100	5.4199	100	5.6594	100
NO0001R	PCB_138	precip	ng/L	10.2275	100	5.9693	100	9.7786	100	12.5446	100	12.5455	100	22.0362	100	10.3616	100	7.7635	100	7.5085	100	6.0046	100	7.6145	100	9.1663	100	8.1953	100
NO0001R	PCB_153	precip	ng/L	12.5758	100	7.6851	100	12.6502	100	16.4524	100	15.5317	100	28.8533	100	13.561	100	10.1155	100	8.8764	100	7.4641	100	9.7461	100	12.0295	100	10.2928	100
NO0001R	PCB_180	precip	ng/L	6.986	100	3.2405	100	5.313	100	6.8052	100	7.0675	100	11.9347	100	5.449	100	3.808	100	3.7069	100	3.1207	100	4.3478	100	4.9705	100	4.3749	100
NO0001R	PCB_28	precip	ng/L	4.9104	100	3.8071	100	5.7973	100	6.8704	100	6.1192	100	12.052	100	5.4959	100	3.8293	100	3.5138	100	3.1096	100	4.7594	100	5.1099	100	4.3084	100
NO0001R	PCB_52	precip	ng/L	5.6849	100	4.3044	100	6.8637	100	8.3	100	7.4037	100	14.5558	100	6.6364	100	4.6249	100	4.0955	100	3.7558	100	5.3965	100	6.0622	100	5.0952	100
NO0001R	PCB_99	precip	ng/L	1.8853	100	1.1495	100	1.8779	100	2.3759	100	2.1238	100	4.1722	100	1.9203	100	1.3686	100	1.5547	100	1.1636	100	1.6484	100	1.7374	100	1.5957	100
NO0001R	precipitation_amount	precip	ng/L	77	48	52	32	105	100	61	70	58	55	25	53	101	77	129	100	457	97	425	87	188	100	120	90	1799	76
SE0014R	alpha_HCH	precip+dry_dep	ng/m2day	0.0053	100	0.005	100	0.005	100	0.0479	100	0.1369	100	0.183	83	0.0817	94	0.0523	100	0.108	100	0.1494	100	0.0609	100	0.041	100	0.0717	98
SE0014R	anthracene	precip+dry_dep	ng/m2day	0.4348	100	0.2157	100	0.42	100	0.308	100	5.1461	100	0.35	83	0.2962	94	0.4532	100	0.34	100	0.3613	100	0.3113	100	0.71	100	0.7973	98
SE0014R	BDE_100	precip+dry_dep	ng/m2day	0.095	100	0.0678	100	0.104	100	0.0303	100	0.1835	100	0.197	83	0.0458	94	0.0368	100	0.015	100	0.0321	100	0.0379	100	0.011	100	0.0698	98
SE0014R	BDE_47	precip+dry_dep	ng/m2day	0.0369	100	0.0083	100	0.051	100	0.0706	100	0.0992	100	0.11	83	0.0671	94	0.0198	100	0.052	100	0.0279	100	0.0128	100	0.005	100	0.0459	98
SE0014R	BDE_99	precip+dry_dep	ng/m2day	0.0476	100	0.0245	100	0.005	100	0.0302	100	0.0246	100	0.114	83	0.0292	94	0.0333	100	0.015	100	0.0153	100	0.0186	100	0.016	100	0.0299	98
SE0014R	benz_a_anthracene	precip+dry_dep	ng/m2day	2.7065	100	1.0121	100	2.08	100	1.4827	100	43.1216	100	1.51	83	1.1676	94	2.8781	100	1.65	100	1.5874	100	1.6573	100	4.37	100	5.5941	98
SE0014R	benzo_a_pyrene	precip+dry_dep	ng/m2day	2.9735	100	1.3179	100	2.72	100	1.964	100	29.8294	100	2.29	83	1.6169	94	4.5932	100	2.59	100	2.1603	100	2.1487	100	5.26	100	5.0719	98
SE0014R	benzo_b_fluoranthene	precip+dry_dep	ng/m2day	6.8735	100	2.97	100	5.7	100	3.3387	100	42.5113	100	3.51	83	2.539	94	6.1552	100	4.3	100	4.7355	100	4.1087	100	9.95	100	8.242	98
SE0014R	benzo_ghi_perylene	precip+dry_dep	ng/m2day	3.4181	100	1.9407	100	2.99	100	2.0753	100	19.3035	100	2.07	83	1.4197	94	4.1971	100	2.22	100	2.4394	100	2.736	100	5.83	100	4.3065	98
SE0014R	benzo_k_fluoranthene	precip+dry_dep	ng/m2day	2.4832	100	0.9707	100	2.02	100	1.1707	100	19.1132	100	1.41	83	0.979	94	2.7552	100	1.71	100	1.6261	100	1.4473	100	3.64	100	3.3559	98
SE0014R	chrysene	precip+dry_dep	ng/m2day	7.7535	100	3.3957	100	5.42	100	3.432	100	58.3055	100	3.29	83	2.3772	94	5.1852	100	3.87	100	4.8235	100	4.53	100	11.03	100	9.6907	98
SE0014R	dibenzo_ah_anthracene	precip+dry_dep	ng/m2day	0.5697	100	0.2971	100	0.52	100	0.3147	100	5.5423	100	0.43	83	0.2579	94	0.7161	100	0.42	100	0.3794	100	0.4447	100	1.06	100	0.9339	98
SE0014R	fluoranthene	precip+dry_dep	ng/m2day	16.6026	100	10.32	100	14.48	100	8.572	100	141.6248	100	7.55	83	5.1338	94	10.6039	100	9.01	100	10.1777	100	10.302	100	27.54	100	23.2263	98
SE0014R	gamma_HCH	precip+dry_dep	ng/m2day	0.0352	100	0.0598	100	0.044	100	0.1196	100	0.6895	100	1.011	83	0.3076	94	0.0221	100	0.07	100	0.2337	100	0.0499	100	0.082	100	0.2161	98
SE0014R	HCB	precip+dry_dep	ng/m2day	0.0545	97	0.0122	100	0.106	100	0.1433	100	0.092	100	0.139	83	0.1128	94	0.0799	100	0.093	100	0.1204	100	0.073	100	0.099	100	0.0936	98
SE0014R	inden_123cd_pyrene	precip+dry_dep	ng/m2day	4.4194	100	1.8279	100	3.49	100	2.1273	100	19.7261	100	2.33	83	1.6445	94	4.3558	100	2.91	100	2.8571	100	2.8367	100	6.78	100	4.7034	98
SE0014R	PCB_101	precip+dry_dep	ng/m2day	0.05	97	0.0507	100	0.06	100	0.0693	100	-	-	-	-	0.0893	94	0.0765	100	0.12	100	0.1071	100	0.054	100	0.015	100	0.0692	82
SE0014R	PCB_118	precip+dr	ng/m2d	0.05	97	0.0507	100	0.06	100	0.0693	100	-	-	-	-	0.0503	94	0.0665	100	0.11	100	0.0603	100	0.0387	100	0.03	100	0.0586	82

				Jan.		Febr.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		2017	
Code	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
		y_dep	ay																										
SE0014R	PCB_138	precip+dr y_dep	ng/m2d ay	0.2347	97	0.1607	100	0.17	100	0.226	100	-	-	-	-	0.201	94	0.2674	100	0.52	100	0.1755	100	0.0787	100	0.07	100	0.2102	82
SE0014R	PCB_153	precip+dr y_dep	ng/m2d ay	0.1587	97	0.1393	100	0.13	100	0.1673	100	-	-	-	-	0.1317	94	0.2032	100	0.36	100	0.151	100	0.06	100	0.06	100	0.156	82
SE0014R	PCB_180	precip+dr y_dep	ng/m2d ay	0.2687	97	0.11	100	0.11	100	0.1473	100	-	-	-	-	0.1314	94	0.2061	100	0.45	100	0.1261	100	0.05	100	0.05	100	0.1649	82
SE0014R	PCB_28	precip+dr y_dep	ng/m2d ay	0.015	97	0.015	100	0.015	100	0.015	100	-	-	-	-	0.0153	94	0.0256	100	0.03	100	0.0245	100	0.015	100	0.015	100	0.0186	82
SE0014R	PCB_52	precip+dr y_dep	ng/m2d ay	0.0387	97	0.0257	100	0.1	100	0.072	100	-	-	-	-	0.1072	94	0.0306	100	0.035	100	0.0295	100	0.02	100	0.02	100	0.0478	82
SE0014R	phe-threne	precip+dr y_dep	ng/m2d ay	13.1742	100	11.9971	100	14.3	100	9.3627	100	137.6574	100	8.18	83	4.9938	94	7.6277	100	7.68	100	10.4232	100	9.9667	100	21.45	100	21.897	98
SE0014R	pp_DDD	precip+dr y_dep	ng/m2d ay	0.0053	100	0.0144	100	0.136	100	0.0137	100	0.0401	100	0.078	83	0.0053	94	0.015	100	0.015	100	0.0144	100	0.005	100	0.005	100	0.0285	98
SE0014R	pp_DDE	precip+dr y_dep	ng/m2d ay	0.0566	97	0.0516	100	0.059	100	0.0357	100	0.2026	100	0.619	83	0.0599	94	0.181	100	0.08	100	0.0972	100	0.0535	100	0.057	100	0.1231	98
SE0014R	pp_DDT	precip+dr y_dep	ng/m2d ay	0.0217	100	0.0064	100	0.025	100	0.0577	100	-	-	-	-	0.1057	94	0.1395	100	0.048	100	0.0922	100	0.0433	100	0.11	100	0.0654	83
SE0014R	pyrene	precip+dr y_dep	ng/m2d ay	11.0032	100	5.4171	100	8.89	100	5.5953	100	86.0235	100	4.95	83	3.5762	94	7.7074	100	6.07	100	6.3281	100	6.6153	100	17.83	100	14.5218	98
SE0020R	anthracene	precip+dr y_dep	ng/m2d ay	1.3513	97	1.18	100	0.53	100	0.6247	100	0.5829	100	0.47	100	0.3529	100	0.9626	100	0.44	100	0.7477	100	1.1167	100	1.81	100	0.8453	100
SE0020R	benz_a_anthracene	precip+dr y_dep	ng/m2d ay	8.0453	97	8.1457	100	3.02	100	2.5853	100	1.9613	100	2.58	100	1.7384	100	2.2397	100	2.17	100	3.5558	100	6.314	100	9.2	100	4.264	100
SE0020R	benzo_a_pyrene	precip+dr y_dep	ng/m2d ay	8.89	97	7.3064	100	3.1	100	4.1893	100	5.5384	100	4.17	100	2.6577	100	2.7184	100	3.18	100	4.0219	100	6.5047	100	8.81	100	5.0682	100
SE0020R	benzo_b_fluoranthene	precip+dr y_dep	ng/m2d ay	21.1893	97	15.2836	100	5.97	100	5.397	100	4.9494	100	5.97	100	3.8345	100	3.7713	100	4.86	100	7.189	100	12.296	100	17.08	100	8.9174	100
SE0020R	benzo_ghi_perylene	precip+dr y_dep	ng/m2d ay	12.2033	97	10.3929	100	4.45	100	4.383	100	3.7594	100	3.8	100	2.3177	100	3.1803	100	2.98	100	4.1581	100	6.6853	100	10.36	100	5.6801	100
SE0020R	benzo_k_fluoranthene	precip+dr y_dep	ng/m2d ay	8.5413	97	6.4271	100	2.36	100	2.274	100	2.2171	100	2.89	100	1.6558	100	1.6468	100	2.03	100	2.8868	100	5.0233	100	7.32	100	3.7456	100
SE0020R	chrysene	precip+dr y_dep	ng/m2d ay	23.2613	97	16.8979	100	6.73	100	5.1947	100	4.5777	100	6.05	100	3.5897	100	3.5723	100	4.6	100	7.7516	100	14.4553	100	22.16	100	9.8346	100
SE0020R	fluoranthene	precip+dr y_dep	ng/m2d ay	54.87	97	44.2486	100	17.19	100	13.127	100	11.3003	100	13.59	100	8.6261	100	9.0416	100	11.55	100	20.1848	100	34.566	100	68.6	100	25.4211	100
SE0020R	inden_123cd_pyrene	precip+dr y_dep	ng/m2d ay	15.3867	97	12.4664	100	4.23	100	3.9503	100	3.4381	100	4.26	100	2.7961	100	2.6877	100	3.55	100	5.35	100	9.1193	100	12.3	100	6.5712	100
SE0020R	phe-threne	precip+dr y_dep	ng/m2d ay	43.7933	97	42.1693	100	14.99	100	11.5073	100	11.0581	100	10.62	100	7.4148	100	10.3903	100	8.57	100	19.4384	100	30.4687	100	54.25	100	21.9047	100
SE0020R	pyrene	precip+dr y_dep	ng/m2d ay	35.314	97	27.255	100	10.94	100	8.8147	100	7.5106	100	9.15	100	5.9623	100	6.3197	100	7.87	100	13.6313	100	23.7367	100	44.19	100	16.6343	100

Table A.2.7 : Concentrations of POPs in air, 2017

Site	Comp	Matrix	Unit	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Capture
BE0013R	benz_a_anthracene	pm10	ng/m3	0.355	0.243	0.033	0.020	0.051	0.003	0.007	0.011	0.027	0.016	0.077	0.041	0.072	32
BE0013R	benzo_a_pyrene	pm10	ng/m3	0.479	0.241	0.047	0.022	0.058	0.007	0.008	0.013	0.036	0.027	0.122	0.049	0.092	32
BE0013R	benzo_ghi_perylene	pm10	ng/m3	0.613	0.340	0.104	0.045	0.066	0.006	0.015	0.029	0.064	0.053	0.198	0.100	0.134	32
BE0013R	chrysene	pm10	ng/m3	0.869	0.541	0.116	0.068	0.131	0.018	0.024	0.037	0.065	0.042	0.195	0.093	0.181	32
BE0013R	fluoranthene	pm10	ng/m3	0.443	0.606	0.070	0.052	0.038	0.015	0.020	0.028	0.049	0.029	0.142	0.069	0.127	32

Site	Comp	Matrix	Unit	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Capture
BE0013R	inden_123cd_pyrene	pm10	ng/m3	0.590	0.379	0.101	0.049	0.080	0.007	0.016	0.030	0.069	0.049	0.192	0.101	0.136	32
BE0013R	pyrene	pm10	ng/m3	0.434	0.490	0.057	0.040	0.040	0.014	0.014	0.021	0.036	0.027	0.118	0.064	0.110	32
DE0001R	alpha_HCH	air+pm10	pg/m^3	2.39	3.94	2.27	1.83	3.29	3.00	2.28	2.73	4.69	4.14	3.04	2.57	3.01	100
DE0001R	gamma_HCH	air+pm10	pg/m^3	3.85	5.20	4.84	4.23	11.55	11.86	18.32	18.30	14.37	10.73	4.58	4.06	9.36	100
DE0001R	aldrin	air+pm10	ng/m3	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	100
DE0001R	anthracene	air+pm10	ng/m3	0.104	0.134	0.030	0.016	0.026	0.017	0.031	0.035	0.023	0.019	0.028	0.018	0.039	100
DE0001R	benz_a_anthracene	air+pm10	ng/m3	0.182	0.208	0.057	0.005	0.005	0.005	0.002	0.003	0.019	0.010	0.036	0.014	0.045	100
DE0001R	benzo_a_pyrene	air+pm10	ng/m3	0.223	0.251	0.070	0.004	0.007	0.004	0.002	0.005	0.032	0.007	0.032	0.010	0.053	100
DE0001R	benzo_bjk_fluoranthenes	air+pm10	ng/m3	0.796	0.912	0.264	0.027	0.028	0.018	0.010	0.020	0.102	0.041	0.133	0.064	0.197	100
DE0001R	benzo_ghi_perylene	air+pm10	ng/m3	0.246	0.254	0.084	0.008	0.010	0.006	0.004	0.007	0.033	0.014	0.056	0.026	0.061	100
DE0001R	chrysene_triphenylene	air+pm10	ng/m3	0.452	0.524	0.159	0.023	0.023	0.022	0.013	0.018	0.059	0.033	0.095	0.040	0.119	100
DE0001R	dibenzo_ah_anthracene	air+pm10	ng/m3	0.032	0.036	0.014	0.001	0.002	0.001	0.001	0.001	0.006	0.002	0.010	0.004	0.009	100
DE0001R	dieldrin	air+pm10	ng/m3	0.898	1.347	2.109	1.052	3.086	2.146	1.755	2.421	1.996	4.176	1.788	1.139	2.001	100
DE0001R	endrin	air+pm10	ng/m3	0.002	0.002	0.002	0.075	0.098	0.076	0.002	0.002	0.002	0.116	0.073	0.059	0.043	100
DE0001R	pyrene	air+pm10	ng/m3	0.890	1.170	0.306	0.052	0.099	0.066	0.431	0.284	0.325	0.091	0.203	0.102	0.330	100
DE0001R	fluoranthene	air+pm10	ng/m3	1.558	2.395	0.607	0.101	0.276	0.156	0.217	0.412	0.399	0.183	0.378	0.194	0.562	100
DE0001R	phenanthrene	air+pm10	ng/m3	5.689	8.076	1.893	0.450	1.409	0.798	1.352	1.704	1.212	0.600	1.533	0.659	2.078	100
DE0001R	inden_123cd_pyrene	air+pm10	ng/m3	0.272	0.293	0.096	0.009	0.010	0.005	0.004	0.008	0.037	0.013	0.063	0.026	0.068	100
DE0001R	op_DDD	air+pm10	pg/m^3	0.054	0.093	0.081	0.058	0.135	0.133	0.209	0.198	0.223	0.174	0.091	0.070	0.127	100
DE0001R	op_DDE	air+pm10	pg/m^3	0.112	0.258	0.164	0.074	0.136	0.115	0.097	0.110	0.314	0.173	0.118	0.101	0.147	100
DE0001R	op_DDT	air+pm10	pg/m^3	0.147	0.363	0.383	0.151	0.424	0.154	0.559	0.581	1.421	0.646	0.314	0.227	0.447	100
DE0001R	PCB_101	air+pm10	pg/m^3	1.055	1.391	1.383	0.527	1.593	1.750	1.543	1.865	1.854	2.056	1.044	1.027	1.426	100
DE0001R	PCB_118	air+pm10	pg/m^3	0.244	0.348	0.318	0.228	0.386	0.372	0.394	0.425	0.454	0.521	0.317	0.316	0.361	100
DE0001R	PCB_138	air+pm10	pg/m^3	1.006	1.133	1.033	0.617	1.115	1.232	1.041	1.413	1.408	1.138	0.507	0.311	0.996	100
DE0001R	PCB_153	air+pm10	pg/m^3	0.954	1.046	1.151	0.607	1.375	1.476	1.058	1.522	1.502	1.693	1.078	0.880	1.197	100
DE0001R	PCB_180	air+pm10	pg/m^3	0.261	0.269	0.229	0.211	0.340	0.385	0.278	0.367	0.335	0.217	0.151	0.106	0.262	100
DE0001R	PCB_28	air+pm10	pg/m^3	1.086	1.603	1.311	0.396	1.271	1.016	1.365	1.345	2.540	2.455	1.905	1.410	1.474	100
DE0001R	PCB_52	air+pm10	pg/m^3	1.038	1.533	1.303	0.696	1.897	1.692	2.184	2.158	2.173	2.152	1.286	1.045	1.599	100
DE0001R	pp_DDD	air+pm10	pg/m^3	0.057	0.149	0.069	0.037	0.087	0.110	0.606	0.371	0.317	0.171	0.084	0.057	0.177	100
DE0001R	pp_DDE	air+pm10	pg/m^3	1.075	2.285	2.295	0.552	1.970	1.587	1.550	1.930	11.052	4.948	2.468	1.088	2.724	100
DE0001R	pp_DDT	air+pm10	pg/m^3	0.293	0.642	0.550	0.242	0.517	0.716	2.590	1.728	1.981	0.795	0.413	0.221	0.893	100
ES0008R	acenaphthene	pm10	ng/m3	0	0	0	0	0	0.009	0	0	0	0	0	0	0.0007	97
ES0008R	acenaphthylene	pm10	ng/m3	0	0	0	0	0	0	0	0	0	0	0	0	0	97
ES0008R	anthracene	pm10	ng/m3	0.008	0.007	0	0	0	0.001	0	0	0	0	0.004	0.001	0.0017	97

Site	Comp	Matrix	Unit	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Capture
ES0008R	benz_a_anthracene	pm10	ng/m3	0.008	0.008	0.01	0.021	0.006	0.006	0.002	0.002	0.008	0.008	0.009	0.005	0.0077	97
ES0008R	benzo_a_pyrene	pm10	ng/m3	0.071	0.058	0	0.024	0	0	0.026	0	0.006	0.011	0.026	0.009	0.019	97
ES0008R	benzo_ghi_perylene	pm10	ng/m3	0.591	0.689	0.104	0.12	0.293	0.886	0.204	0.025	0.035	0.002	0.097	0.213	0.2679	97
ES0008R	benzo_k_fluoranthene	pm10	ng/m3	0.82	0.683	0.213	0.275	0.29	0.446	0.4	0.027	0.027	0.028	0.156	0.183	0.2932	97
ES0008R	chrysene	pm10	ng/m3	0.044	0.066	0.048	0.061	0.063	0.089	0.026	0.018	0.037	0.037	0.037	0.026	0.0457	97
ES0008R	dibenzo_ah_anthracene	pm10	ng/m3	0.125	0.152	0.03	0.022	0.095	0.17	0.054	0.005	0.007	0.01	0.015	0.045	0.0601	97
ES0008R	fluoranthene	pm10	ng/m3	0.035	0.057	0.033	0.036	0.049	0.06	0.02	0.019	0.025	0.036	0.028	0.017	0.0344	97
ES0008R	fluorene	pm10	ng/m3	0	0	0	0	0	0.002	0	0	0	0	0	0	0.0002	97
ES0008R	inden_123cd_pyrene	pm10	ng/m3	0.907	0.9	0.208	0.195	0.45	1.063	0.446	0.041	0.041	0.045	0.161	0.281	0.3909	97
ES0008R	naphthalene	pm10	ng/m3	0	0	0	0	0.009	0	0	0	0.009	0	0.009	0	0.0022	97
ES0008R	phenanthrene	pm10	ng/m3	0.01	0.043	0.02	0.023	0.033	0.034	0.004	0.04	0.044	0.021	0.042	0.008	0.0266	97
ES0008R	pyrene	pm10	ng/m3	0.031	0.032	0.019	0.041	0.019	0.035	0.007	0.009	0.014	0.024	0.017	0.01	0.0214	97
GB0014R	anthanthrene	aerosol	ng/m3	0.032	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0068	100
GB0014R	benz_a_anthracene	aerosol	ng/m3	0.073	0.068	0.025	0.0045	0.0045	0.0045	0.0045	0.019	0.0045	0.0045	0.0045	0.0045	0.0182	100
GB0014R	benzo_a_pyrene	aerosol	ng/m3	0.1	0.075	0.024	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.16	0.055	0.0367	100
GB0014R	benzo_b_fluoranthene	aerosol	ng/m3	0.24	0.16	0.054	0.037	0.02	0.0045	0.027	0.02	0.032	0.058	0.49	0.078	0.1008	100
GB0014R	benzo_e_pyrene	aerosol	ng/m3	0.19	0.1	0.04	0.025	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.27	0.12	0.0639	100
GB0014R	benzo_ghi_perylene	aerosol	ng/m3	0.29	0.11	0.045	0.023	0.0045	0.0045	0.025	0.0045	0.025	0.053	0.0045	0.12	0.0592	100
GB0014R	benzo_k_fluoranthene	aerosol	ng/m3	0.086	0.055	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.031	0.031	0.18	0.087	0.0412	100
GB0014R	chrysene	aerosol	ng/m3	0.15	0.14	0.038	0.019	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0313	100
GB0014R	coronene	aerosol	ng/m3	0.082	0.035	0.018	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0146	100
GB0014R	cyclopenta_cd_pyrene	aerosol	ng/m3	0.034	0.04	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0097	100
GB0014R	dibenzo_ah_anthracene	aerosol	ng/m3	0.049	0.018	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0093	100
GB0014R	dibenzo_ai_pyrene	aerosol	ng/m3	0.065	0.033	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.06	0.03	0.0186	100
GB0014R	inden_123cd_pyrene	aerosol	ng/m3	0.19	0.086	0.033	0.022	0.0045	0.0045	0.02	0.0045	0.023	0.044	0.0045	0.077	0.0427	100
GB0014R	perylene	aerosol	ng/m3	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	100
GB0048R	anthanthrene	pm10	ng/m3	0.0045	0.0055	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.005	0.0045	0.005	0.004	0.0046	100
GB0048R	benz_a_anthracene	pm10	ng/m3	0.028	0.039	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.005	0.0045	0.005	0.004	0.0092	100
GB0048R	benzo_a_pyrene	pm10	ng/m3	0.032	0.034	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.005	0.0045	0.005	0.004	0.0091	100
GB0048R	benzo_b_fluoranthene	pm10	ng/m3	0.058	0.075	0.037	0.0045	0.0045	0.0045	0.0045	0.0045	0.005	0.0045	0.065	0.004	0.0222	100
GB0048R	benzo_e_pyrene	pm10	ng/m3	0.053	0.05	0.03	0.0045	0.0045	0.0045	0.0045	0.0045	0.005	0.0045	0.005	0.004	0.0143	100
GB0048R	benzo_ghi_perylene	pm10	ng/m3	0.11	0.061	0.041	0.0045	0.0045	0.0045	0.0045	0.0045	0.027	0.0045	0.068	0.07	0.0335	100
GB0048R	benzo_k_fluoranthene	pm10	ng/m3	0.025	0.025	0.027	0.0045	0.0045	0.0045	0.0045	0.0045	0.005	0.0045	0.024	0.004	0.0113	100
GB0048R	chrysene	pm10	ng/m3	0.053	0.061	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.005	0.0045	0.005	0.004	0.013	100
GB0048R	coronene	pm10	ng/m3	0.034	0.0055	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.005	0.0045	0.005	0.004	0.0071	100

Site	Comp	Matrix	Unit	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Capture
GB0048R	cyclopenta_cd_pyrene	pm10	ng/m3	0.0045	0.0055	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.005	0.0045	0.0045	0.005	0.0047	100
GB0048R	dibenzo_ae_pyrene	pm10	ng/m3	0.0045	0.0055	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.005	0.0045	0.005	0.004	0.0046	100
GB0048R	dibenzo_ah_anthracene	pm10	ng/m3	0.0045	0.0055	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.005	0.0045	0.005	0.004	0.0046	100
GB0048R	dibenzo_ah_pyrene	pm10	ng/m3	0.0045	0.0055	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.005	0.0045	0.005	0.004	0.0046	100
GB0048R	dibenzo_ai_pyrene	pm10	ng/m3	0.028	0.0055	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.005	0.0045	0.0045	0.03	0.0088	100
GB0048R	inden_123cd_pyrene	pm10	ng/m3	0.074	0.045	0.028	0.0045	0.0045	0.0045	0.0045	0.0045	0.021	0.0045	0.05	0.047	0.0242	100
GB0048R	perylene	pm10	ng/m3	0.0045	0.0055	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.005	0.0045	0.005	0.004	0.0046	100
GB1055R	anthanthrene	pm10	ng/m3	0.1	0.0055	0.0045	0.019	0.0055	0.0045	0.004	0.0045	0.0045	0.022	0.0045	0.0045	0.0154	100
GB1055R	benz_a_anthracene	pm10	ng/m3	0.3	0.08	0.026	0.058	0.0055	0.0045	0.004	0.0045	0.024	0.004	0.0045	0.088	0.0503	100
GB1055R	benzo_a_pyrene	pm10	ng/m3	0.35	0.084	0.045	0.087	0.0055	0.0045	0.017	0.0045	0.0045	0.043	0.16	0.11	0.0763	100
GB1055R	benzo_b_fluoranthene	pm10	ng/m3	0.48	0.18	0.11	0.15	0.032	0.02	0.036	0.026	0.04	0.1	0.31	0.21	0.141	100
GB1055R	benzo_e_pyrene	pm10	ng/m3	0.37	0.1	0.062	0.093	0.023	0.0045	0.025	0.026	0.02	0.059	0.21	0.15	0.0953	100
GB1055R	benzo_ghi_perylene	pm10	ng/m3	0.54	0.11	0.067	0.11	0.023	0.0045	0.03	0.024	0.051	0.073	0.15	0.14	0.1106	100
GB1055R	benzo_k_fluoranthene	pm10	ng/m3	0.17	0.046	0.024	0.041	0.0055	0.0045	0.019	0.0045	0.0045	0.004	0.064	0.024	0.0342	100
GB1055R	chrysene	pm10	ng/m3	0.49	0.14	0.048	0.099	0.0055	0.0045	0.02	0.018	0.033	0.004	0.0045	0.16	0.0856	100
GB1055R	coronene	pm10	ng/m3	0.17	0.036	0.025	0.041	0.0055	0.0045	0.004	0.0045	0.0045	0.033	0.0045	0.0045	0.0282	100
GB1055R	cyclopenta_cd_pyrene	pm10	ng/m3	0.18	0.046	0.0045	0.024	0.0055	0.0045	0.004	0.0045	0.0045	0.004	0.0045	0.054	0.0284	100
GB1055R	dibenzo_ae_pyrene	pm10	ng/m3	0.077	0.0055	0.0045	0.0045	0.0055	0.0045	0.004	0.0045	0.0045	0.024	0.0045	0.0045	0.0124	100
GB1055R	dibenzo_ah_anthracene	pm10	ng/m3	0.075	0.0055	0.021	0.026	0.0055	0.0045	0.004	0.0045	0.0045	0.03	0.028	0.029	0.02	100
GB1055R	dibenzo_ah_pyrene	pm10	ng/m3	0.0045	0.0055	0.0045	0.0045	0.0055	0.0045	0.004	0.0045	0.0045	0.0045	0.0045	0.0045	0.0046	100
GB1055R	dibenzo_ai_pyrene	pm10	ng/m3	0.15	0.031	0.027	0.034	0.0055	0.0045	0.004	0.0045	0.029	0.071	0.0045	0.074	0.0368	100
GB1055R	inden_123cd_pyrene	pm10	ng/m3	0.4	0.09	0.059	0.093	0.023	0.0045	0.025	0.022	0.046	0.063	0.12	0.11	0.0882	100
GB1055R	perylene	pm10	ng/m3	0.073	0.0055	0.0045	0.0045	0.0055	0.0045	0.004	0.0045	0.0045	0.004	0.0045	0.0045	0.0104	100
IS0091R	alpha_HCH	air+aerosol	pg/m^3	1.4032	1.3372	1.5705	1.622	1.4852	0.9902	0.653	0.8492	0.8915	0.8257	1.3723	0.9384	1.1595	100
IS0091R	BDE_100	air+aerosol	pg/m^3	0.1819	0.1902	0.1796	0.1743	0.189	0.1935	0.177	0.1857	0.2161	0.1855	0.1843	0.1534	0.1841	100
IS0091R	BDE_47	air+aerosol	pg/m^3	0.1819	0.1902	0.1796	0.1743	0.189	0.1935	0.177	0.1857	0.2161	0.1855	0.1843	0.1534	0.1841	100
IS0091R	BDE_99	air+aerosol	pg/m^3	0.1819	0.1902	0.1796	0.1743	0.189	0.1935	0.177	0.1857	0.2161	0.1855	0.1843	0.1534	0.1841	100
IS0091R	beta_HCH	air+aerosol	pg/m^3	0.1819	0.1902	0.1796	0.2161	0.2823	0.2907	0.2634	0.2798	0.2181	0.1855	0.1843	0.1534	0.2189	100
IS0091R	cis_CD	air+aerosol	pg/m^3	0.1993	0.3391	0.4285	0.3511	0.4761	0.4579	0.4	0.4357	0.3735	0.4488	0.2931	0.299	0.3755	100
IS0091R	dieldrin	air+aerosol	pg/m^3	0.1967	0.1902	0.1796	0.1743	0.189	0.1963	0.4345	0.3261	0.3375	0.4236	0.1951	0.2277	0.2567	100
IS0091R	gamma_HCH	air+aerosol	pg/m^3	1.0958	1.4356	1.579	1.6036	1.9604	1.5645	1.4195	1.4723	1.3906	1.2237	1.3398	1.1703	1.4375	100
IS0091R	HCB	air+aerosol	pg/m^3	7.2389	7.1067	5.4497	5.8037	4.8028	2.939	2.6138	3.1369	3.8442	3.3625	5.8078	4.3295	4.6843	100
IS0091R	op_DDT	air+aerosol	pg/m^3	0.1819	0.1902	0.1796	0.1743	0.189	0.1935	0.177	0.1857	0.2161	0.1855	0.1843	0.1534	0.1841	100
IS0091R	PCB_101	air+aerosol	pg/m^3	0.3734	0.3276	0.5057	0.3978	0.6798	1.048	1.1555	1.3354	1.0714	0.7246	0.3852	0.4554	0.7079	100
IS0091R	PCB_105	air+aerosol	pg/m^3	0.1819	0.1902	0.1796	0.1743	0.189	0.1935	0.177	0.1857	0.2161	0.1855	0.1843	0.1534	0.1841	100

Site	Comp	Matrix	Unit	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Capture
IS0091R	PCB_118	air+aerosol	pg/m^3	0.1819	0.1902	0.1796	0.1743	0.189	0.1935	0.177	0.1857	0.2161	0.1855	0.1843	0.1534	0.1841	100
IS0091R	PCB_138	air+aerosol	pg/m^3	0.1819	0.1902	0.1796	0.1743	0.189	0.1935	0.177	0.1857	0.2161	0.1855	0.1843	0.1534	0.1841	100
IS0091R	PCB_153	air+aerosol	pg/m^3	0.1819	0.1902	0.1796	0.1743	0.189	0.1935	0.177	0.1857	0.2161	0.1855	0.1843	0.1534	0.1841	100
IS0091R	PCB_156	air+aerosol	pg/m^3	0.1819	0.1902	0.1796	0.1743	0.189	0.1935	0.177	0.1857	0.2161	0.1855	0.1843	0.1534	0.1841	100
IS0091R	PCB_180	air+aerosol	pg/m^3	0.1819	0.1902	0.1796	0.1743	0.189	0.1935	0.177	0.1857	0.2161	0.1855	0.1843	0.1534	0.1841	100
IS0091R	PCB_28	air+aerosol	pg/m^3	1.0158	1.695	1.7662	2.0357	2.724	2.464	3.0705	3.1914	2.9183	1.9038	1.451	1.4316	2.1417	100
IS0091R	PCB_31	air+aerosol	pg/m^3	0.5198	1.0413	1.3444	1.8993	2.5243	2.1329	4.6773	4.8101	3.1729	1.8866	1.5299	1.3362	2.25	100
IS0091R	PCB_52	air+aerosol	pg/m^3	0.9867	1.434	1.5659	1.7014	2.3905	2.6533	3.6827	3.5706	3.0602	2.459	1.4347	1.4746	2.2073	100
IS0091R	pp_DDD	air+aerosol	pg/m^3	0.1819	0.1902	0.1796	0.1743	0.189	0.1935	0.177	0.1857	0.2161	0.1855	0.1843	0.1534	0.1841	100
IS0091R	pp_DDE	air+aerosol	pg/m^3	0.1819	0.1902	0.1796	0.1743	0.189	0.1935	0.177	0.1857	0.2161	0.1855	0.1843	0.1534	0.1841	100
IS0091R	pp_DDT	air+aerosol	pg/m^3	0.1819	0.1902	0.1796	0.1743	0.189	0.1935	0.177	0.1857	0.2161	0.1855	0.1843	0.1534	0.1841	100
IS0091R	trans_CD	air+aerosol	pg/m^3	0.1819	0.1902	0.1796	0.1743	0.189	0.1935	0.177	0.1857	0.2161	0.1855	0.1843	0.1534	0.1841	100
IS0091R	trans_NO	air+aerosol	pg/m^3	0.197	0.2943	0.3795	0.3125	0.425	0.3215	0.2805	0.2848	0.2203	0.1855	0.1968	0.2396	0.2781	100
NL0091R	benz_a_anthracene	pm10	ng/m3	0.1449	0.4208	0.0327	0.008	0.0084	0.0067	0.0079	0.0074	0.0079	0.0134	0.0276	0.0378	0.0583	50
NL0091R	benzo_a_pyrene	pm10	ng/m3	0.2233	0.4329	0.0515	0.0143	0.0171	0.0143	0.0099	0.0114	0.0132	0.0189	0.0414	0.0476	0.0728	50
NL0091R	benzo_bjk_fluoranthenes	pm10	ng/m3	0.1945	0.3373	0.0529	0.013	0.0139	0.0085	0.0107	0.0116	0.0134	0.0205	0.0374	0.052	0.0625	50
NL0091R	benzo_ghi_perylene	pm10	ng/m3	0.3546	0.5187	0.098	0.0307	0.0283	0.0199	0.022	0.0233	0.0289	0.0461	0.0827	0.1158	0.1123	50
NL0091R	chrysene	pm10	ng/m3	0.2608	0.6819	0.0691	0.0177	0.0224	0.0155	0.0176	0.0202	0.0216	0.0292	0.0529	0.0848	0.1047	50
NL0091R	dibenzo_ah_anthracene	pm10	ng/m3	0.0494	0.1018	0.0162	0.0047	0.0049	0.0034	0.005	0.0041	0.0049	0.0077	0.0125	0.0192	0.0191	50
NL0091R	indeno_123cd_perylene	pm10	ng/m3	0.3599	0.5904	0.1082	0.031	0.031	0.02	0.0226	0.0234	0.0278	0.0432	0.0796	0.1115	0.1185	50
NO0002R	1-methylnaphthalene	air+aerosol	ng/m3	0.0862	0.0949	0.0417	0.0259	0.0363	0.0108	0.0149	0.0197	0.0252	0.0329	0.0865	0.1504	0.0515	14
NO0002R	1-methylphenanthrene	air+aerosol	ng/m3	0.0464	0.0785	0.0316	0.065	0.0426	0.0172	0.0221	0.0256	0.0369	0.0421	0.122	0.0481	0.0441	13
NO0002R	2-methylanthracene	air+aerosol	ng/m3	0.0037	0.0222	0.0065	0.0017	0.0065	0.004	0.0022	0.0062	0.004	0.0017	0.006	0.0017	0.0054	6
NO0002R	2-methylnaphthalene	air+aerosol	ng/m3	0.1237	0.1222	0.0589	0.0392	0.0559	0.0177	0.0217	0.0257	0.0311	0.0457	0.098	0.1687	0.0669	14
NO0002R	2-methylphenanthrene	air+aerosol	ng/m3	0.059	0.0993	0.0333	0.0555	0.0727	0.0404	0.0475	0.0405	0.0527	0.0583	0.0721	0.0556	0.0572	14
NO0002R	3-methylphenanthrene	air+aerosol	ng/m3	0.0505	0.0567	0.0376	0.0491	0.0614	0.0347	0.0394	0.0371	0.047	0.0506	0.0555	0.0438	0.047	14
NO0002R	9-methylphenanthrene	air+aerosol	ng/m3	0.0182	0.0342	0.0135	0.0198	0.0188	0.0125	0.0149	0.0152	0.0198	0.0201	0.0225	0.017	0.0188	14
NO0002R	acenaphthene	air+aerosol	ng/m3	0.3398	0.0931	0.0959	0.1244	0.0761	0.0294	0.0526	0.0757	0.0988	0.0731	0.0697	0.3513	0.1236	14
NO0002R	acenaphthylene	air+aerosol	ng/m3	0.0158	0.0536	0.0309	0.1305	0.0167	0.0021	0.0029	0.0084	0.0096	0.0156	0.0473	0.0757	0.0328	14
NO0002R	anthanthrene	air+aerosol	ng/m3	0.003	0.0035	0.0015	0.0045	0.0015	0.0013	0.0013	0.0128	0.0016	0.0014	0.0023	0.0033	0.0033	14
NO0002R	anthracene	air+aerosol	ng/m3	0.0072	0.0289	0.0062	0.0515	0.0099	0.0025	0.0029	0.0056	0.0078	0.0148	0.0362	0.0162	0.0152	13
NO0002R	benz_a_anthracene	air+aerosol	ng/m3	0.029	0.0187	0.0079	0.0172	0.0109	0.0042	0.0018	0.0064	0.008	0.0087	0.0176	0.0153	0.0122	14
NO0002R	benzo_a_fluoranthene	air+aerosol	ng/m3	0.0054	0.0035	0.0014	0.006	0.0014	0.0013	0.001	0.0042	0.002	0.0017	0.0033	0.0046	0.0029	14
NO0002R	benzo_a_fluorene	air+aerosol	ng/m3	0.0162	0.0117	0.0068	0.0121	0.0075	0.0034	0.0023	0.0055	0.0063	0.0072	0.0121	0.0095	0.0084	14

Site	Comp	Matrix	Unit	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Capture
NO0002R	benzo_a_pyrene	air+aerosol	ng/m3	0.0243	0.0133	0.0063	0.0229	0.0064	0.0036	0.003	0.0064	0.0083	0.0048	0.0119	0.0176	0.0107	14
NO0002R	benzo_b_fluoranthene	air+aerosol	ng/m3	0.1515	0.0539	0.0418	0.0411	0.0704	0.0189	0.0312	0.0294	0.0307	0.0209	0.0477	0.0432	0.0475	13
NO0002R	benzo_b_fluorene	air+aerosol	ng/m3	0.011	0.0077	0.0039	0.0073	0.004	0.0018	0.0013	0.0042	0.0046	0.0053	0.0062	0.0049	0.0052	14
NO0002R	benzo_e_pyrene	air+aerosol	ng/m3	0.0712	0.049	0.0276	0.0269	0.0528	0.0142	0.0212	0.0229	0.0198	0.0145	0.0315	0.0298	0.0323	14
NO0002R	benzo_ghi_fluoranthene	air+aerosol	ng/m3	NaN	NaN	NaN	NaN	NaN	0.001	0.001	0.001	NaN	NaN	NaN	NaN	0.001	1
NO0002R	benzo_ghi_perylene	air+aerosol	ng/m3	0.0502	0.0347	0.0227	0.0303	0.0252	0.0058	0.0129	0.0214	0.0203	0.0168	0.0388	0.0327	0.0261	14
NO0002R	benzo_k_fluoranthene	air+aerosol	ng/m3	0.0315	0.0147	0.0092	0.0163	0.0081	0.0033	0.0052	0.0086	0.0098	0.0064	0.0157	0.0159	0.0121	14
NO0002R	biphenyl	air+aerosol	ng/m3	0.2101	0.4593	0.2183	0.1279	0.0878	0.0234	0.022	0.0323	0.0546	0.0695	0.2379	0.2275	0.1447	14
NO0002R	chrysene	air+aerosol	ng/m3	0.0767	0.1551	0.0419	0.0448	0.0942	0.0393	0.0379	0.0321	0.0296	0.0224	0.0457	0.0345	0.0546	14
NO0002R	coronene	air+aerosol	ng/m3	0.02	0.0201	0.0079	0.0113	0.0066	0.0035	0.0039	0.027	0.0093	0.0052	0.0134	0.0094	0.0117	14
NO0002R	cyclopenta_cd_pyrene	air+aerosol	ng/m3	NaN	0.0094	NaN	NaN	0.0021	0.001	0.001	0.001	NaN	NaN	0.001	NaN	0.0024	2
NO0002R	dibenzo_ae_pyrene	air+aerosol	ng/m3	0.012	0.0091	0.0043	0.0054	0.0068	0.0035	0.0047	0.038	0.0052	0.0041	0.005	0.0059	0.0092	14
NO0002R	dibenzo_ah_anthracene	air+aerosol	ng/m3	0.0081	0.0065	0.0029	0.0052	0.0087	0.0022	0.0023	0.017	0.003	0.0027	0.0037	0.0044	0.0059	14
NO0002R	dibenzo_ah_pyrene	air+aerosol	ng/m3	0.0052	0.0087	0.0045	0.0039	0.0041	0.0039	0.0039	0.0531	0.0047	0.0041	0.0043	0.0038	0.0093	14
NO0002R	dibenzo_ai_pyrene	air+aerosol	ng/m3	0.0053	0.0086	0.0041	0.0038	0.0038	0.0037	0.0037	0.0501	0.0046	0.0039	0.0042	0.0036	0.0088	14
NO0002R	dibenzofuran	air+aerosol	ng/m3	0.7539	1.3196	0.7877	0.6554	0.4419	0.1326	0.1568	0.1752	0.2812	0.3291	0.8191	0.6892	0.5383	14
NO0002R	dibenzothiophene	air+aerosol	ng/m3	0.0326	0.0325	0.0283	0.0211	0.0632	0.0224	0.033	0.0314	0.0199	0.0351	0.0099	0.0231	0.0302	13
NO0002R	fluoranthene	air+aerosol	ng/m3	0.2407	0.2834	0.1507	0.1844	0.1166	0.0591	0.064	0.0946	0.139	0.1512	0.2068	0.169	0.1545	14
NO0002R	fluorene	air+aerosol	ng/m3	0.6692	0.6544	0.4679	0.4863	0.3347	0.1096	0.1684	0.2079	0.2865	0.3166	0.5928	0.5464	0.4021	14
NO0002R	naphthalene	air+aerosol	ng/m3	0.2065	0.3207	0.1207	0.0613	0.0619	0.0281	0.0281	0.0343	0.0377	0.0537	0.2079	0.2502	0.1157	14
NO0002R	inden_123cd_pyrene	air+aerosol	ng/m3	0.0412	0.0212	0.0174	0.0303	0.0161	0.0048	0.0091	0.0205	0.0177	0.0143	0.0366	0.032	0.0219	14
NO0002R	perylene	air+aerosol	ng/m3	0.0044	0.0027	0.0016	0.0042	0.0013	0.0011	0.001	0.0039	0.0016	0.0015	0.0026	0.0037	0.0025	14
NO0002R	phenanthrene	air+aerosol	ng/m3	0.9454	1.3409	0.7038	0.908	0.794	0.4	0.4521	0.606	0.7513	0.6818	0.9584	0.782	0.7757	14
NO0002R	pyrene	air+aerosol	ng/m3	0.1288	0.1485	0.0717	0.1121	0.0791	0.0359	0.0291	0.0465	0.0758	0.0941	0.1261	0.0951	0.0859	13
NO0002R	retene	air+aerosol	ng/m3	0.0614	0.0629	0.0292	0.0508	0.0441	0.0115	0.0192	0.0404	0.0597	0.0769	0.1148	0.0785	0.0543	14
NO0002R	FTS_6-2	air+aerosol	pg/m^3	0.027	0.027	0.027	0.027	0.027	0.027	0.031	0.027	0.027	0.027	0.027	0.027	0.0274	47
NO0002R	g_HBCD	air+aerosol	pg/m^3	0.0887	0.025	0.0254	0.0254	0.0254	0.0267	0.0255	0.0256	0.0263	0.0254	0.0339	0.0251	0.0294	51
NO0002R	a_HBCD	air+aerosol	pg/m^3	0.0359	0.0635	0.0359	0.0359	0.0359	0.0377	0.036	0.0362	0.0372	0.0359	0.179	0.0355	0.0509	51
NO0002R	gamma_HCH	air+aerosol	pg/m^3	1.12	0.346	0.936	0.583	11.5	3.57	4.09	2.98	0.132	1.16	0.977	0.593	2.3331	3
NO0002R	alpha_HCH	air+aerosol	pg/m^3	2.12	2.04	3.5	3.52	8.65	4.71	4.53	5.01	0.108	5.32	3.48	1.89	3.7402	3
NO0002R	HCB	air+aerosol	pg/m^3	62.1847	68.4911	63.7478	59.1704	53.8383	38.0774	34.1528	36.2729	38.1893	45.4099	59.0744	57.6211	51.0384	14
NO0002R	b_HBCD	air+aerosol	pg/m^3	0.0342	NaN	0.0341	0.0341	0.0342	0.045	0.0343	0.0345	0.0354	0.0342	0.0455	0.0337	0.0364	46
NO0002R	BDE_100	air+aerosol	pg/m^3	0.0034	0.011	0.0055	0.0025	0.0033	0.0048	0.0124	0.0052	0.0032	0.0053	0.0044	0.0034	0.0054	51
NO0002R	BDE_119	air+aerosol	pg/m^3	0.001	0.0036	0.001	0.001	0.001	0.0015	0.001	0.0017	0.001	0.001	0.001	NaN	0.0014	46
NO0002R	BDE_138	air+aerosol	pg/m^3	0.0021	0.0044	0.0021	0.0021	0.0021	0.0022	0.0021	0.0021	0.0022	0.0021	NaN	NaN	0.0024	42

Site	Comp	Matrix	Unit	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Capture
NO0002R	BDE_153	air+aerosol	pg/m^3	0.0044	0.021	0.0076	0.0021	0.0021	0.0022	0.0153	0.003	0.0049	0.0025	NaN	NaN	0.0066	42
NO0002R	BDE_154	air+aerosol	pg/m^3	0.007	0.0237	0.0059	0.0017	0.0019	0.0022	0.0126	0.0035	0.0034	0.0022	NaN	NaN	0.0064	42
NO0002R	BDE_183	air+aerosol	pg/m^3	0.0109	0.0461	0.0295	0.0034	0.0024	0.0037	0.0042	0.0111	0.0122	0.0077	NaN	NaN	0.0132	42
NO0002R	BDE_196	air+aerosol	pg/m^3	0.0043	0.0059	0.0227	0.0043	0.0043	0.0045	0.0043	0.0102	NaN	NaN	NaN	NaN	0.0077	33
NO0002R	BDE_206	air+aerosol	pg/m^3	0.0317	0.0733	0.0664	0.0262	0.0235	0.022	0.0641	0.0925	0.0217	0.0242	NaN	NaN	0.0451	42
NO0002R	BDE_209	air+aerosol	pg/m^3	0.187	0.528	0.441	0.256	0.186	0.104	0.687	0.851	0.133	0.127	NaN	NaN	0.3572	42
NO0002R	BDE_28	air+aerosol	pg/m^3	0.0092	0.0104	0.0099	0.0045	0.0059	0.0123	0.0098	0.0105	0.0078	0.008	0.0095	0.01	0.009	51
NO0002R	BDE_47	air+aerosol	pg/m^3	0.0395	0.0582	0.0401	0.0366	0.0366	0.0677	0.0688	0.0503	0.04	0.0582	0.0514	0.0379	0.0491	51
NO0002R	BDE_49	air+aerosol	pg/m^3	0.0116	0.021	0.0101	0.0049	0.0082	0.0233	0.0232	0.0141	NaN	0.0137	0.013	0.0111	0.0141	46
NO0002R	BDE_66	air+aerosol	pg/m^3	0.0054	0.0143	0.006	0.0035	0.0057	0.0147	0.0155	0.0091	0.0076	0.0103	0.0091	0.0064	0.0091	51
NO0002R	BDE_71	air+aerosol	pg/m^3	0.001	0.0034	0.0011	0.001	0.001	0.0032	0.0029	0.0018	0.0023	0.0023	0.0013	0.0015	0.0019	51
NO0002R	BDE_77	air+aerosol	pg/m^3	0.001	0.0043	0.0012	0.001	0.001	0.001	0.001	0.001	NaN	0.001	0.001	0.001	0.0013	46
NO0002R	BDE_85	air+aerosol	pg/m^3	0.001	0.0038	0.0016	0.001	0.001	0.001	0.0071	0.001	0.001	0.001	0.0013	0.0012	0.0019	51
NO0002R	BDE_99	air+aerosol	pg/m^3	0.0208	0.0694	0.0292	0.0122	0.0137	0.0225	0.14	0.0212	0.0221	0.0206	0.025	0.0176	0.0351	51
NO0002R	op_DDD	air+aerosol	pg/m^3	0.0243	0.0249	0.0246	0.0253	0.0459	0.0252	0.0249	0.0252	0.0254	0.0249	0.0248	0.0239	0.0266	3
NO0002R	op_DDE	air+aerosol	pg/m^3	0.0685	0.0385	0.0665	0.0421	0.156	0.039	0.0567	0.0414	0.0392	0.0476	0.0383	0.037	0.0559	3
NO0002R	op_DDT	air+aerosol	pg/m^3	0.114	0.0417	0.103	0.0596	0.758	0.21	0.13	0.132	0.0425	0.196	0.0962	0.0494	0.161	3
NO0002R	PCB_101	air+aerosol	pg/m^3	1.0851	1.1296	0.5496	0.2571	0.7958	0.5153	0.4844	0.4195	0.4857	0.387	0.2026	0.1765	0.5401	13
NO0002R	PCB_105	air+aerosol	pg/m^3	0.0578	0.0614	0.0303	0.0167	0.0433	0.0336	0.0357	0.0285	0.043	0.0291	0.0138	0.0113	0.034	13
NO0002R	PCB_114	air+aerosol	pg/m^3	0.008	0.0078	0.008	0.008	0.0096	0.0081	0.0081	0.0081	0.0092	0.008	0.008	0.0078	0.0082	13
NO0002R	PCB_118	air+aerosol	pg/m^3	0.2912	0.2992	0.139	0.0624	0.1613	0.1237	0.1286	0.104	0.149	0.1042	0.0525	0.0395	0.139	13
NO0002R	PCB_122	air+aerosol	pg/m^3	0.017	0.0175	0.0098	0.0073	0.0073	0.0073	0.0073	0.0074	0.0085	0.0072	0.0072	0.0071	0.0093	13
NO0002R	PCB_123	air+aerosol	pg/m^3	0.0082	0.007	0.0072	0.0072	0.0072	0.0102	0.0073	0.0073	0.0078	0.0072	0.0071	0.007	0.0076	13
NO0002R	PCB_128	air+aerosol	pg/m^3	0.0986	0.0948	0.0361	0.0125	0.0327	0.0249	0.0227	0.0183	0.0214	0.0148	0.0072	0.006	0.0327	13
NO0002R	PCB_138	air+aerosol	pg/m^3	0.8533	0.8424	0.3007	0.0857	0.2427	0.1696	0.1928	0.1565	0.187	0.1356	0.0641	0.052	0.2753	13
NO0002R	PCB_141	air+aerosol	pg/m^3	0.283	0.2841	0.0913	0.023	0.082	0.0531	0.0551	0.0427	0.0483	0.0365	0.0164	0.0131	0.0859	13
NO0002R	PCB_149	air+aerosol	pg/m^3	1.1758	1.1841	0.4742	0.1691	0.5434	0.3632	0.3402	0.296	0.3041	0.256	0.1196	0.1045	0.4445	13
NO0002R	PCB_153	air+aerosol	pg/m^3	1.1885	1.1627	0.4626	0.1469	0.4274	0.2962	0.2986	0.2492	0.2775	0.2212	0.1048	0.0927	0.4125	13
NO0002R	PCB_156	air+aerosol	pg/m^3	0.0547	0.0546	0.0185	0.0055	0.011	0.0084	0.0079	0.0055	0.0097	0.0064	0.0048	0.0047	0.0161	13
NO0002R	PCB_157	air+aerosol	pg/m^3	0.0042	0.0046	0.0032	0.0029	0.0029	0.0035	0.0029	0.0029	0.0031	0.0029	0.0028	0.0028	0.0032	13
NO0002R	PCB_167	air+aerosol	pg/m^3	0.0266	0.0262	0.0095	0.0035	0.0068	0.0058	0.0036	0.0034	0.0052	0.0037	0.0031	0.0031	0.0084	13
NO0002R	PCB_170	air+aerosol	pg/m^3	0.101	0.0971	0.0316	0.01	0.0239	0.0178	0.0155	0.0125	0.0148	0.0102	0.0061	0.0067	0.029	13
NO0002R	PCB_18	air+aerosol	pg/m^3	0.47	0.37	0.35	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	0.3967	6
NO0002R	PCB_18	air+aerosol	pg/m^3	0.9689	1.7551	1.4144	0.8745	1.7858	1.0136	0.7949	0.6357	1.194	0.953	0.6348	0.6486	1.0491	14
NO0002R	PCB_180	air+aerosol	pg/m^3	0.279	0.2722	0.0975	0.0293	0.0833	0.0564	0.0532	0.0411	0.0459	0.0348	0.0154	0.0156	0.0871	13
NO0002R	PCB_183	air+aerosol	pg/m^3	0.1174	0.1196	0.0451	0.0125	0.0359	0.0254	0.0229	0.0189	0.018	0.0139	0.0063	0.0075	0.0377	13
NO0002R	PCB_187	air+aerosol	pg/m^3	0.2381	0.2399	0.1048	0.0358	0.1022	0.0751	0.0657	0.0614	0.0471	0.043	0.0199	0.0222	0.0881	13

Site	Comp	Matrix	Unit	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Capture
NO0002R	PCB_189	air+aerosol	pg/m^3	0.0046	0.0049	0.0043	0.0043	0.0043	0.0044	0.0043	0.0044	0.0043	0.0043	0.0043	0.0042	0.0044	14
NO0002R	PCB_194	air+aerosol	pg/m^3	0.0114	0.0119	0.0073	0.0058	0.0066	0.006	0.0058	0.0058	0.0063	0.0057	0.0057	0.0056	0.007	14
NO0002R	PCB_206	air+aerosol	pg/m^3	0.0041	0.0045	0.0041	0.0041	0.0041	0.0042	0.0042	0.0042	0.0042	0.0041	0.0041	0.0041	0.0042	14
NO0002R	PCB_209	air+aerosol	pg/m^3	0.0048	0.0047	0.0048	0.0048	0.005	0.0071	0.0048	0.0048	0.0049	0.0048	0.0047	0.0047	0.005	14
NO0002R	PCB_28	air+aerosol	pg/m^3	0.4732	0.7319	0.5536	0.4281	1.0939	0.6755	0.6213	0.4762	0.9479	0.6673	0.3546	0.3471	0.6105	14
NO0002R	PCB_31	air+aerosol	pg/m^3	0.4747	0.7593	0.6134	0.4092	1.0396	0.622	0.5674	0.4494	0.7796	0.5688	0.3053	0.3405	0.5737	14
NO0002R	PCB_33	air+aerosol	pg/m^3	0.2463	0.405	0.2924	0.2151	0.5465	0.3475	0.3223	0.248	0.4068	0.303	0.155	0.182	0.3037	14
NO0002R	PCB_37	air+aerosol	pg/m^3	0.0431	0.0662	0.0436	0.0263	0.082	0.0642	0.0733	0.0537	0.0717	0.0561	0.0225	0.0301	0.0527	14
NO0002R	PCB_47	air+aerosol	pg/m^3	0.6012	0.5419	0.4998	0.4478	1.1675	1.005	1.0865	0.9754	0.8229	0.6669	0.3129	0.2916	0.7028	13
NO0002R	PCB_52	air+aerosol	pg/m^3	0.6289	0.8126	0.6393	0.4776	1.2896	0.7905	0.6873	0.6187	0.797	0.6585	0.3796	0.3657	0.6747	13
NO0002R	PCB_66	air+aerosol	pg/m^3	0.1345	0.1677	0.1275	0.0994	0.2831	0.2026	0.1937	0.1622	0.2177	0.162	0.0729	0.0743	0.1584	13
NO0002R	PCB_74	air+aerosol	pg/m^3	0.1268	0.1571	0.1173	0.0679	0.1909	0.1309	0.144	0.1215	0.1783	0.1308	0.0629	0.0617	0.125	13
NO0002R	PCB_99	air+aerosol	pg/m^3	0.1397	0.1555	0.1396	0.0965	0.2367	0.1702	0.1512	0.135	0.1846	0.1395	0.0759	0.064	0.1411	13
NO0002R	PFBS	air+aerosol	pg/m^3	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	47
NO0002R	PFHpA	air+aerosol	pg/m^3	0.027	0.027	0.055	0.059	0.0349	0.0354	0.122	0.147	0.1073	0.045	0.054	0.0325	0.0586	47
NO0002R	PFHxA	air+aerosol	pg/m^3	0.0549	0.027	0.205	0.231	0.3113	0.027	0.027	0.288	0.027	0.027	0.224	0.027	0.1245	47
NO0002R	PFHxS	air+aerosol	pg/m^3	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	47
NO0002R	PFNA	air+aerosol	pg/m^3	0.0499	0.042	0.032	0.076	0.1165	0.1719	0.157	0.165	0.1082	0.049	0.027	0.0385	0.0828	47
NO0002R	PFOA	air+aerosol	pg/m^3	0.1309	0.095	0.074	0.119	0.1651	0.2874	0.177	0.169	0.1376	0.081	0.107	0.059	0.1352	47
NO0002R	PFOS	air+aerosol	pg/m^3	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.057	0.053	0.053	0.053	0.0534	47
NO0002R	PFOSA	air+aerosol	pg/m^3	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	47
NO0002R	PFUnA	air+aerosol	pg/m^3	0.0219	0.027	0.027	0.027	0.0449	0.027	0.027	0.043	0.029	0.027	0.027	0.027	0.0291	47
NO0002R	pp_DDD	air+aerosol	pg/m^3	0.0241	0.0247	0.0244	0.0252	0.0283	0.0251	0.0248	0.025	0.0252	0.0247	0.0247	0.0238	0.025	3
NO0002R	pp_DDE	air+aerosol	pg/m^3	0.768	0.26	0.597	0.306	2.21	0.467	0.433	0.421	0.0537	0.845	0.48	0.381	0.6018	3
NO0002R	pp_DDT	air+aerosol	pg/m^3	0.134	0.049	0.0925	0.0553	0.677	0.253	0.157	0.161	0.05	0.21	NaN	NaN	0.184	3
NO0002R	TBA	air+aerosol	pg/m^3	4.56	9.87	2.26	0.925	1.06	3.9	1.65	1.86	4.94	1.95	10.2	7.19	4.185	51
NO0042G	1-methylnaphthalene	air+aerosol	ng/m^3	0.3643	0.1338	0.0323	0.0161	0.0188	0.0101	0.007	0.0136	0.0197	0.0247	0.0758	0.1581	0.0692	27
NO0042G	1-methylphenanthrene	air+aerosol	ng/m^3	0.0033	0.005	0.0011	0.0068	0.001	0.0011	0.0021	0.0017	0.0014	0.0011	0.0025	0.0025	0.0023	27
NO0042G	2-methylanthracene	air+aerosol	ng/m^3	NaN	NaN	0.001	0.001	0.001	0.0012	0.001	0.001	0.001	0.001	0.008	0.008	0.0014	12
NO0042G	2-methylnaphthalene	air+aerosol	ng/m^3	0.386	0.1409	0.0412	0.0223	0.036	0.0179	0.0106	0.0224	0.0335	0.0393	0.1047	0.1869	0.0832	27
NO0042G	2-methylphenanthrene	air+aerosol	ng/m^3	0.0039	0.0065	0.0015	0.007	0.0012	0.0018	0.0029	0.0024	0.0026	0.002	0.003	0.005	0.0032	28
NO0042G	3-methylphenanthrene	air+aerosol	ng/m^3	0.0042	0.0051	0.0015	0.0079	0.0011	0.0015	0.0025	0.002	0.0022	0.0018	0.0035	0.0056	0.0031	26
NO0042G	9-methylphenanthrene	air+aerosol	ng/m^3	0.0025	0.0027	0.0011	0.0063	0.001	0.0012	0.0019	0.0016	0.0016	0.0011	0.0021	0.0022	0.002	28
NO0042G	acenaphthene	air+aerosol	ng/m^3	0.0096	0.0052	0.0059	0.022	0.0021	0.0037	0.0037	0.0024	0.0023	0.0029	0.0049	0.0064	0.0058	28
NO0042G	acenaphthylene	air+aerosol	ng/m^3	0.0035	0.0046	0.0044	0.008	0.0011	0.0022	0.001	0.0011	0.001	0.001	0.0021	0.0016	0.0025	25
NO0042G	anthanthrene	air+aerosol	ng/m^3	0.001	0.0016	0.0012	0.0063	0.001	0.001	0.001	0.001	0.001	0.001	0.0027	0.0013	0.0016	28

Site	Comp	Matrix	Unit	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Capture
NO0042G	anthracene	air+aerosol	ng/m^3	0.0018	0.001	0.0012	0.0058	0.002	0.0012	0.001	0.0011	0.001	0.001	0.0018	0.0012	0.0017	27
NO0042G	benz_a_anthracene	air+aerosol	ng/m^3	0.0053	0.0074	0.001	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.0017	0.002	28
NO0042G	benzo_a_fluoranthene	air+aerosol	ng/m^3	0.0013	0.0019	0.001	0.0033	0.001	0.001	0.001	0.001	0.001	0.001	0.0014	0.0011	0.0013	28
NO0042G	benzo_a_fluorene	air+aerosol	ng/m^3	0.003	0.0034	0.001	0.0035	0.001	0.001	0.001	0.001	0.001	0.001	0.0012	0.0012	0.0015	28
NO0042G	benzo_a_pyrene	air+aerosol	ng/m^3	0.0044	0.0086	0.001	0.0035	0.001	0.001	0.001	0.001	0.0011	0.001	0.0014	0.0015	0.002	28
NO0042G	benzo_b_fluoranthene	air+aerosol	ng/m^3	0.0186	0.0304	0.0022	0.0015	0.001	0.001	0.001	0.001	0.0015	0.001	0.0022	0.0029	0.0038	27
NO0042G	benzo_b_fluorene	air+aerosol	ng/m^3	0.0017	0.0022	0.001	0.0038	0.001	0.001	0.001	0.001	0.001	0.001	0.0012	0.001	0.0014	28
NO0042G	benzo_e_pyrene	air+aerosol	ng/m^3	0.0089	0.0116	0.0015	0.0014	0.001	0.001	0.001	0.001	0.0013	0.001	0.0018	0.002	0.0025	28
NO0042G	benzo_ghi_fluoranthene	air+aerosol	ng/m^3	0.001	0.001	0.001	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0012	20
NO0042G	benzo_ghi_perylene	air+aerosol	ng/m^3	0.0083	0.0116	0.0015	0.0048	0.001	0.001	0.001	0.001	0.0014	0.001	0.0027	0.0024	0.0028	28
NO0042G	benzo_k_fluoranthene	air+aerosol	ng/m^3	0.0058	0.0087	0.001	0.0035	0.001	0.001	0.001	0.001	0.0011	0.001	0.0015	0.0014	0.0021	28
NO0042G	biphenyl	air+aerosol	ng/m^3	1.1678	0.9739	0.446	0.0569	0.0172	0.0088	0.0073	0.0231	0.0644	0.1333	0.469	0.5591	0.3083	27
NO0042G	chrysene	air+aerosol	ng/m^3	0.0159	0.0222	0.0021	0.0021	0.001	0.001	0.001	0.001	0.0012	0.001	0.0024	0.0027	0.0039	28
NO0042G	coronene	air+aerosol	ng/m^3	0.004	0.0059	0.0021	0.0123	0.0011	0.0012	0.001	0.001	0.001	0.001	0.0048	0.002	0.0029	28
NO0042G	cyclopenta_cd_pyrene	air+aerosol	ng/m^3	0.0017	0.001	0.001	0.0023	0.001	0.001	0.001	0.001	0.001	0.001	0.0014	0.0011	0.0012	26
NO0042G	dibenzo_ae_pyrene	air+aerosol	ng/m^3	0.0024	0.0025	0.0029	0.0224	0.0019	0.0017	0.0015	0.0015	0.0015	0.0015	0.0073	0.0027	0.004	28
NO0042G	dibenzo_ah_anthracene	air+aerosol	ng/m^3	0.0014	0.0021	0.0012	0.0085	0.001	0.001	0.001	0.001	0.001	0.001	0.0031	0.0014	0.0019	28
NO0042G	dibenzo_ah_pyrene	air+aerosol	ng/m^3	0.0023	0.0023	0.0036	0.0295	0.0024	0.0021	0.0019	0.0018	0.0018	0.0018	0.0086	0.0032	0.005	28
NO0042G	dibenzo_ai_pyrene	air+aerosol	ng/m^3	0.0023	0.0022	0.0034	0.0272	0.0024	0.002	0.0018	0.0017	0.0017	0.0017	0.0081	0.003	0.0047	28
NO0042G	dibenzofuran	air+aerosol	ng/m^3	1.2841	1.2133	0.6204	0.1287	0.0288	0.0265	0.0232	0.0482	0.1544	0.2062	0.5766	0.6044	0.376	27
NO0042G	dibenzothiophene	air+aerosol	ng/m^3	0.0113	0.0077	0.002	0.004	0.001	0.001	0.001	0.001	0.0025	0.0022	0.0045	0.0054	0.0034	28
NO0042G	fluoranthene	air+aerosol	ng/m^3	0.0522	0.0755	0.0073	0.0054	0.0045	0.0044	0.0044	0.0045	0.0048	0.0045	0.0131	0.0173	0.0146	28
NO0042G	fluorene	air+aerosol	ng/m^3	0.5891	0.3983	0.0861	0.014	0.0067	0.0103	0.0101	0.0136	0.0361	0.066	0.2626	0.3442	0.1404	28
NO0042G	naphthalene	air+aerosol	ng/m^3	1.7837	0.8021	0.2711	0.0932	0.3016	0.1126	0.0318	0.0638	0.0899	0.1037	0.3823	0.6717	0.3479	27
NO0042G	inden_123cd_pyrene	air+aerosol	ng/m^3	0.0084	0.0114	0.0012	0.0011	0.001	0.001	0.001	0.001	0.0014	0.001	0.003	0.0023	0.0025	28
NO0042G	phenanthrene	air+aerosol	ng/m^3	0.1009	0.1215	0.0167	0.0112	0.0071	0.01	0.0133	0.0124	0.0153	0.0174	0.0384	0.046	0.0311	28
NO0042G	pyrene	air+aerosol	ng/m^3	0.0032	0.0553	0.0039	0.0039	0.0032	0.0031	0.0031	0.0032	0.0031	0.0032	0.004	0.006	0.006	25
NO0042G	retene	air+aerosol	ng/m^3	0.0032	0.0024	0.0018	0.007	0.0016	0.0016	0.0019	0.0018	0.0016	0.0016	0.0017	0.0019	0.0022	27
NO0042G	perylene	air+aerosol	ng/m^3	0.0011	0.0015	0.001	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.0014	0.0011	0.0012	28
NO0042G	a_HBCD	air+aerosol	pg/m^3	0.1069	0.0475	0.0496	0.0494	0.0506	0.0486	0.0516	0.0505	0.0499	0.0521	0.0514	0.3154	0.0782	19
NO0042G	b_HBCD	air+aerosol	pg/m^3	0.0457	0.0452	0.0473	0.047	0.0481	0.0462	0.0491	0.0481	0.0475	0.0495	0.0468	0.0627	0.0486	19
NO0042G	g_HBCD	air+aerosol	pg/m^3	0.034	0.0337	0.0351	0.035	0.0358	0.0344	0.0365	0.0358	0.0353	0.0369	0.0348	0.0568	0.0371	19
NO0042G	BDE_100	air+aerosol	pg/m^3	0.0058	0.0048	0.007	0.0061	0.0136	0.0149	0.0142	0.0085	0.008	0.0059	0.0064	0.0045	0.0084	41
NO0042G	BDE_119	air+aerosol	pg/m^3	0.0011	0.0011	0.001	0.001	0.0012	0.001	0.001	0.001	0.0021	0.0025	0.001	0.001	0.0013	42
NO0042G	BDE_138	air+aerosol	pg/m^3	0.0028	0.0028	0.0029	0.0029	0.0029	0.0028	0.003	0.0029	0.0029	0.0029	0.0028	0.0028	0.0029	41
NO0042G	BDE_153	air+aerosol	pg/m^3	0.0037	0.0055	0.0028	0.0032	0.0051	0.0052	0.0033	0.0034	0.0029	0.0036	0.0031	0.0027	0.0037	40

Site	Comp	Matrix	Unit	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Capture
NO0042G	BDE_154	air+aerosol	pg/m^3	0.0019	0.0025	0.0017	0.0019	0.0025	0.0035	0.0033	0.0026	0.0021	0.0021	0.0016	0.0015	0.0023	39
NO0042G	BDE_183	air+aerosol	pg/m^3	0.0034	0.0034	0.0032	0.0033	0.0036	0.0031	0.004	0.0032	0.0036	0.0036	0.005	0.003	0.0035	42
NO0042G	BDE_196	air+aerosol	pg/m^3	0.0075	0.0089	0.0066	0.0069	0.0107	0.0058	0.0087	0.006	0.0059	0.0063	0.0061	0.0068	0.0072	40
NO0042G	BDE_206	air+aerosol	pg/m^3	0.241	0.3199	0.2128	0.2166	0.1104	0.0433	0.3882	0.032	0.1952	0.0935	0.1501	0.2992	0.1882	41
NO0042G	BDE_209	air+aerosol	pg/m^3	10.3682	14.3005	6.2591	8.1727	3.1126	0.9985	11.602	0.6672	7.2759	2.7409	3.3764	2.903	5.7522	39
NO0042G	BDE_28	air+aerosol	pg/m^3	0.0066	0.006	0.0061	0.0079	0.0121	0.0082	0.0097	0.0059	0.0073	0.0066	0.0097	0.0051	0.0077	42
NO0042G	BDE_47	air+aerosol	pg/m^3	0.0944	0.0813	0.1073	0.1127	0.2263	0.1945	0.1845	0.1274	0.1443	0.1058	0.1211	0.0832	0.1337	42
NO0042G	BDE_49	air+aerosol	pg/m^3	0.0052	0.0046	0.0045	0.0045	0.0091	0.008	0.0069	0.0061	0.0073	0.0052	0.0063	0.0039	0.006	42
NO0042G	BDE_66	air+aerosol	pg/m^3	0.0048	0.0047	0.0049	0.0049	0.0063	0.0051	0.005	0.0049	0.0327	0.0449	0.0052	0.0047	0.0109	41
NO0042G	BDE_71	air+aerosol	pg/m^3	0.0027	0.0014	0.0013	0.0013	0.0016	0.0013	0.0013	0.0013	0.0018	0.0028	0.0013	0.0012	0.0016	41
NO0042G	BDE_77	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	0.001	0.001	0.001	41
NO0042G	BDE_85	air+aerosol	pg/m^3	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0015	0.0015	0.0013	0.0013	0.0013	0.0012	0.0013	40
NO0042G	BDE_99	air+aerosol	pg/m^3	0.0168	0.0143	0.0202	0.0165	0.0349	0.053	0.0494	0.0347	0.0272	0.0181	0.0186	0.0131	0.0268	42
NO0042G	FTS_6-2	air+aerosol	pg/m^3	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	43
NO0042G	b_HBCD	air+aerosol	pg/m^3	0.0457	0.0452	0.0473	0.047	0.0481	0.0462	0.0491	0.0481	0.0475	0.0495	0.0468	0.0627	0.0486	19
NO0042G	gamma_HCH	air+aerosol	pg/m^3	0.3387	0.3377	0.4465	0.5311	0.4571	0.3228	0.3469	0.3574	0.6387	0.6136	0.6395	0.3997	0.4505	24
NO0042G	alpha_HCH	air+aerosol	ng/m3	2.9387	2.8075	2.6574	3.8407	3.8501	3.3198	3.5923	4.2148	3.9113	4.2611	3.5349	2.5212	3.5122	25
NO0042G	HCB	air+aerosol	pg/m^3	72.7454	71.277	70.0872	72.79	73.4834	77.3418	80.0165	85.4199	81.3427	80.8051	79.0419	65.6217	76.2211	25
NO0042G	cis_CD	air+aerosol	pg/m^3	0.2456	0.3715	0.3556	0.2745	0.3042	0.2325	0.2791	0.2713	0.3027	0.3204	0.3466	0.2475	0.2957	26
NO0042G	cis_NO	air+aerosol	pg/m^3	0.0095	0.013	0.0205	0.0144	0.0301	0.0302	0.041	0.0408	0.0338	0.0275	0.0285	0.0164	0.0272	26
NO0042G	op_DDD	air+aerosol	pg/m^3	0.013	0.0123	0.0129	0.0122	0.0126	0.0122	0.0122	0.0123	0.0119	0.0122	0.0153	0.012	0.0126	21
NO0042G	op_DDE	air+aerosol	pg/m^3	0.0518	0.0617	0.0614	0.0303	0.0201	0.0188	0.0188	0.0189	0.0184	0.0373	0.0945	0.086	0.04	24
NO0042G	op_DDT	air+aerosol	pg/m^3	0.0498	0.0624	0.0901	0.0609	0.0256	0.0208	0.0224	0.0243	0.0351	0.1092	0.2312	0.0672	0.0619	21
NO0042G	pp_DDD	air+aerosol	pg/m^3	0.0129	0.0122	0.0123	0.0122	0.0125	0.0121	0.0121	0.0122	0.0119	0.0121	0.0105	0.0119	0.0121	21
NO0042G	pp_DDE	air+aerosol	pg/m^3	0.2777	0.3082	0.3274	0.1124	0.0393	0.0363	0.0474	0.036	0.133	0.3302	1.5444	0.5299	0.2331	21
NO0042G	pp_DDT	air+aerosol	pg/m^3	0.0287	0.0322	0.0413	0.0245	0.025	0.0239	0.024	0.0241	0.0269	0.0587	0.1053	NaN	0.0352	20
NO0042G	PCB_101	air+aerosol	pg/m^3	0.2283	0.2287	0.3342	0.237	0.1804	0.1768	0.1845	0.1431	0.2034	0.2871	0.3572	0.2704	0.2393	23
NO0042G	PCB_105	air+aerosol	pg/m^3	0.0191	0.0168	0.0309	0.0223	0.0152	0.015	0.0135	0.009	0.0139	0.0272	0.0369	0.0265	0.0215	22
NO0042G	PCB_114	air+aerosol	pg/m^3	0.0042	0.004	0.004	0.0039	0.0041	0.0039	0.0039	0.004	0.0038	0.0039	0.0042	0.0042	0.004	23
NO0042G	PCB_118	air+aerosol	pg/m^3	0.0675	0.0624	0.1	0.0742	0.0501	0.0493	0.0479	0.0318	0.0506	0.0919	0.1244	0.0922	0.0725	23
NO0042G	PCB_122	air+aerosol	pg/m^3	0.0038	0.0036	0.0036	0.0036	0.0037	0.0035	0.0035	0.0036	0.0035	0.0035	0.0037	0.0036	0.0036	23
NO0042G	PCB_123	air+aerosol	pg/m^3	0.0038	0.0052	0.0058	0.0035	0.0036	0.0037	0.0035	0.0036	0.0034	0.0035	0.0035	0.0035	0.0039	23
NO0042G	PCB_128	air+aerosol	pg/m^3	0.0077	0.0087	0.014	0.0094	0.0077	0.0065	0.0058	0.0037	0.0055	0.0105	0.0121	0.0095	0.0088	22
NO0042G	PCB_138	air+aerosol	pg/m^3	0.0524	0.0565	0.0841	0.0589	0.0427	0.0399	0.0416	0.041	0.0484	0.0782	0.0953	0.0737	0.0604	23
NO0042G	PCB_141	air+aerosol	pg/m^3	0.0112	0.0137	0.0202	0.0134	0.0106	0.0101	0.0102	0.0081	0.0126	0.0188	0.0217	0.0152	0.0145	22
NO0042G	PCB_149	air+aerosol	pg/m^3	0.0969	0.1131	0.1583	0.103	0.0842	0.0788	0.0724	0.0691	0.1052	0.141	0.1638	0.121	0.1138	22

Site	Comp	Matrix	Unit	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Capture
NO0042G	PCB_153	air+aerosol	pg/m^3	0.0792	0.0933	0.1269	0.0887	0.0608	0.0561	0.0548	0.0453	0.0736	0.1128	0.1369	0.1053	0.09	22
NO0042G	PCB_156	air+aerosol	pg/m^3	0.0032	0.0035	0.005	0.0032	0.0032	0.0029	0.0024	0.003	0.0024	0.0042	0.0047	0.0038	0.0035	23
NO0042G	PCB_157	air+aerosol	pg/m^3	0.0015	0.0014	0.0014	0.0014	0.0015	0.0014	0.0014	0.0014	0.0014	0.0014	0.0012	0.0014	0.0014	23
NO0042G	PCB_167	air+aerosol	pg/m^3	0.0017	0.0016	0.0016	0.0017	0.0018	0.0015	0.0015	0.0015	0.0015	0.0017	0.0023	0.0021	0.0017	22
NO0042G	PCB_170	air+aerosol	pg/m^3	0.0033	0.0048	0.0051	0.0038	0.0042	0.0041	0.0032	0.003	0.0034	0.0053	0.0053	0.0043	0.0043	22
NO0042G	PCB_18	air+aerosol	pg/m^3	1.3046	1.2055	1.4154	1.0527	0.7544	0.6328	0.6561	0.537	0.5653	1.1446	1.8423	1.5903	1.0937	23
NO0042G	PCB_180	air+aerosol	pg/m^3	0.0095	0.0143	0.0198	0.0117	0.01	0.0091	0.0084	0.0063	0.0106	0.0172	0.0179	0.0139	0.0129	22
NO0042G	PCB_183	air+aerosol	pg/m^3	0.0046	0.0072	0.0079	0.0055	0.0047	0.0037	0.0039	0.0035	0.0054	0.008	0.0085	0.0063	0.006	22
NO0042G	PCB_187	air+aerosol	pg/m^3	0.014	0.0222	0.0284	0.0155	0.0124	0.0102	0.0112	0.0101	0.0163	0.0209	0.0237	0.0187	0.0174	22
NO0042G	PCB_189	air+aerosol	pg/m^3	0.0022	0.0021	0.0022	0.0021	0.0022	0.0021	0.0021	0.0021	0.0021	0.0021	0.0019	0.0021	0.0021	22
NO0042G	PCB_194	air+aerosol	pg/m^3	0.003	0.0028	0.0029	0.0028	0.0029	0.0028	0.0028	0.0028	0.0028	0.0028	0.0025	0.0028	0.0028	22
NO0042G	PCB_206	air+aerosol	pg/m^3	0.0022	0.002	0.0021	0.002	0.0021	0.002	0.002	0.002	0.002	0.002	0.0018	0.002	0.002	22
NO0042G	PCB_209	air+aerosol	pg/m^3	0.0028	0.003	0.0041	0.0032	0.0024	0.0026	0.0023	0.0023	0.0023	0.0027	0.0025	0.0039	0.0029	22
NO0042G	PCB_28	air+aerosol	pg/m^3	0.7653	1.0076	1.5202	0.801	0.9508	0.9013	1.3912	0.8046	0.7514	0.9708	1.1426	0.8405	0.9931	23
NO0042G	PCB_31	air+aerosol	pg/m^3	0.756	0.9557	1.3157	0.6997	0.8285	0.773	1.283	0.7444	0.7143	0.8796	1.0231	0.7946	0.898	23
NO0042G	PCB_33	air+aerosol	pg/m^3	0.4568	0.6846	1.1295	0.489	0.6181	0.6095	0.932	0.5458	0.4851	0.587	0.6592	0.4935	0.6413	23
NO0042G	PCB_37	air+aerosol	pg/m^3	0.0888	0.1345	0.2744	0.0934	0.1606	0.1654	0.2099	0.1198	0.1071	0.1201	0.1135	0.0873	0.14	23
NO0042G	PCB_47	air+aerosol	pg/m^3	0.2591	0.2992	0.4367	0.2326	0.251	0.2408	0.2765	0.1883	0.2061	0.2678	0.3733	0.2659	0.2769	24
NO0042G	PCB_52	air+aerosol	pg/m^3	0.5213	0.5259	0.7115	0.495	0.3864	0.3554	0.4153	0.3049	0.3789	0.5611	0.7511	0.5772	0.4995	24
NO0042G	PCB_66	air+aerosol	pg/m^3	0.1215	0.147	0.2917	0.1463	0.1394	0.1401	0.1259	0.0887	0.1107	0.1595	0.1917	0.1329	0.1525	24
NO0042G	PCB_74	air+aerosol	pg/m^3	0.1045	0.1072	0.1682	0.0998	0.0893	0.0915	0.0898	0.0656	0.0851	0.1195	0.1469	0.1047	0.107	24
NO0042G	PCB_99	air+aerosol	pg/m^3	0.0946	0.0931	0.1363	0.1065	0.0647	0.0572	0.058	0.0446	0.0674	0.1147	0.1584	0.1234	0.0944	23
NO0042G	PFBS	air+aerosol	pg/m^3	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	43
NO0042G	PFHpA	air+aerosol	pg/m^3	0.126	0.038	0.041	0.057	0.0952	0.113	0.0783	0.061	0.037	0.0319	0.03	0.027	0.0619	43
NO0042G	PFHxA	air+aerosol	pg/m^3	0.229	0.045	0.095	0.074	0.1021	0.188	0.1335	0.129	0.058	0.1232	0.02	0.238	0.1286	43
NO0042G	PFHxS	air+aerosol	pg/m^3	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	43
NO0042G	PFNA	air+aerosol	pg/m^3	0.145	0.023	0.038	0.045	0.0893	0.091	0.0635	0.035	0.028	0.0189	0.019	0.02	0.0492	43
NO0042G	PFOA	air+aerosol	pg/m^3	0.424	0.06	0.064	0.087	0.1094	0.146	0.1505	0.11	0.074	0.047	0.041	0.052	0.0992	43
NO0042G	PFOS	air+aerosol	pg/m^3	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	43
NO0042G	PFOSA	air+aerosol	pg/m^3	0.084	0.014	0.01	0.02	0.0445	0.104	0.111	0.036	0.035	0.02	0.049	0.02	0.0415	43
NO0042G	PFUnA	air+aerosol	pg/m^3	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	43
NO0042G	TBA	air+aerosol	pg/m^3	3.0657	3.4807	1.8446	0.9638	2.5686	6.2547	15.0185	43.2104	10.6149	8.6126	5.9186	5.8972	9.4045	42
NO0042G	trans_CD	air+aerosol	pg/m^3	0.1386	0.2221	0.1924	0.1044	0.0651	0.0385	0.0559	0.0484	0.0649	0.0848	0.1562	0.1333	0.1016	26
NO0042G	trans_NO	air+aerosol	pg/m^3	0.2021	0.3273	0.3328	0.2565	0.2722	0.1883	0.2307	0.2173	0.2276	0.2603	0.2999	0.2114	0.2512	26
NO0090R	FTS_6-2	air+aerosol	pg/m^3	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	50
NO0090R	HCB	air+aerosol	pg/m^3	37.8	46.4	44.7	47.2	26.3	21.7	26.4	22.5	19.7	35.5	41.9	44.6	34.5476	7

Site	Comp	Matrix	Unit	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Capture
NO0090R	PCB_101	air+aerosol	pg/m^3	0.388	0.34	0.682	0.504	0.487	0.103	0.281	0.128	0.298	0.278	0.301	0.461	0.3542	7
NO0090R	PCB_105	air+aerosol	pg/m^3	NaN	0.0156	0.0537	0.0302	0.0259	0.0061	0.0168	0.0082	0.0234	0.0258	0.0176	0.0321	0.0232	6
NO0090R	PCB_114	air+aerosol	pg/m^3	NaN	0.0037	0.0051	0.0038	0.0038	0.0039	0.0036	0.0038	0.0038	0.004	0.004	0.0042	0.004	6
NO0090R	PCB_118	air+aerosol	pg/m^3	NaN	0.0641	0.193	0.123	0.107	0.0241	0.0719	0.0307	0.0806	0.0913	0.0701	0.125	0.0892	6
NO0090R	PCB_122	air+aerosol	pg/m^3	NaN	0.0034	0.0053	0.0035	0.0035	0.0035	0.0032	0.0035	0.0034	0.0036	0.0036	0.0039	0.0037	6
NO0090R	PCB_123	air+aerosol	pg/m^3	NaN	0.0034	0.004	0.0034	0.0034	0.0035	0.0032	0.0034	0.0037	0.0036	0.0036	0.0036	0.0035	6
NO0090R	PCB_128	air+aerosol	pg/m^3	NaN	0.0065	0.0198	0.0124	0.0114	0.004	0.01	0.0058	NaN	0.0095	0.0067	0.0119	0.0098	5
NO0090R	PCB_138	air+aerosol	pg/m^3	NaN	0.0591	0.163	0.0978	0.0925	0.0312	0.0935	0.0441	0.089	0.081	0.062	0.123	0.0851	6
NO0090R	PCB_141	air+aerosol	pg/m^3	NaN	0.0188	0.0387	0.0246	0.0258	0.0074	0.0222	0.011	0.0188	0.0167	0.0143	0.026	0.0204	6
NO0090R	PCB_149	air+aerosol	pg/m^3	NaN	0.139	0.289	0.183	0.201	0.0607	0.165	0.0864	0.159	0.137	0.142	0.245	0.1643	6
NO0090R	PCB_153	air+aerosol	pg/m^3	NaN	0.108	0.249	0.164	0.154	0.0502	0.147	0.0699	0.128	0.121	0.106	0.207	0.1367	6
NO0090R	PCB_156	air+aerosol	pg/m^3	NaN	0.0026	0.0073	0.0038	0.0035	0.0023	0.0033	0.0023	0.0051	0.004	0.003	0.005	0.0038	6
NO0090R	PCB_157	air+aerosol	pg/m^3	NaN	0.0013	0.0014	0.0014	0.0014	0.0014	0.0013	0.0014	0.0035	0.0014	0.0014	0.0014	0.0016	6
NO0090R	PCB_167	air+aerosol	pg/m^3	NaN	0.0015	0.0034	0.002	0.0023	0.0015	0.0014	0.0015	0.0039	0.0017	0.0016	0.0025	0.0021	6
NO0090R	PCB_170	air+aerosol	pg/m^3	NaN	0.0046	0.0113	0.0064	0.0076	0.0035	0.0088	0.0042	0.0066	0.0058	0.0043	0.0074	0.0064	6
NO0090R	PCB_18	air+aerosol	pg/m^3	1.82	1.55	3.28	2.54	2.17	0.25	0.401	0.266	0.799	1.06	0.825	1.66	1.3849	7
NO0090R	PCB_180	air+aerosol	pg/m^3	NaN	0.0158	0.0314	0.0184	0.0199	0.0094	0.0243	0.0115	0.0159	0.0161	0.011	0.0253	0.0181	6
NO0090R	PCB_183	air+aerosol	pg/m^3	NaN	0.0079	0.0151	0.0091	0.0108	0.0037	0.0107	0.0048	0.0086	0.0077	0.0059	0.0117	0.0087	6
NO0090R	PCB_187	air+aerosol	pg/m^3	NaN	0.0218	0.0465	0.0277	0.0337	0.0108	0.0293	0.0158	0.025	0.0217	0.0203	0.0381	0.0264	6
NO0090R	PCB_189	air+aerosol	pg/m^3	NaN	0.002	0.0021	0.002	0.0021	0.0021	0.0019	0.0021	0.0035	0.0021	0.0022	0.0022	0.0022	6
NO0090R	PCB_194	air+aerosol	pg/m^3	NaN	0.0027	0.0028	0.0027	0.0028	0.0028	0.0026	0.0028	0.0027	0.0029	0.0029	0.0029	0.0028	6
NO0090R	PCB_206	air+aerosol	pg/m^3	NaN	0.0019	0.002	0.002	0.002	0.002	0.0018	0.002	0.002	0.0021	0.0021	0.0021	0.002	6
NO0090R	PCB_209	air+aerosol	pg/m^3	NaN	0.0022	0.0023	0.0023	0.0023	0.0023	0.0021	0.0023	0.0023	0.017	0.0024	0.0024	0.0036	6
NO0090R	PCB_28	air+aerosol	pg/m^3	0.851	0.678	1.57	1.14	0.848	0.162	0.376	0.177	0.538	0.702	0.619	1.04	0.7248	7
NO0090R	PCB_31	air+aerosol	pg/m^3	0.842	0.784	1.74	1.25	0.975	0.179	0.389	0.172	0.515	0.578	0.572	0.944	0.745	7
NO0090R	PCB_33	air+aerosol	pg/m^3	0.509	0.398	0.911	0.619	0.493	0.104	0.189	0.0961	0.288	0.302	0.329	0.541	0.3981	7
NO0090R	PCB_37	air+aerosol	pg/m^3	0.0813	0.0449	0.119	0.0668	0.0594	0.0205	0.0352	0.0206	0.0514	0.0469	0.0572	0.0944	0.0581	7
NO0090R	PCB_47	air+aerosol	pg/m^3	6.12	8.06	11.6	9.85	15.8	1.37	1.84	0.78	1.27	0.54	5.59	5.55	5.7003	7
NO0090R	PCB_52	air+aerosol	pg/m^3	0.799	0.679	1.3	1.01	0.876	0.209	0.452	0.217	0.551	0.571	0.612	0.885	0.6799	7
NO0090R	PCB_66	air+aerosol	pg/m^3	0.126	0.0829	0.227	0.135	0.12	0.0452	0.0721	0.0499	0.137	0.141	0.131	0.205	0.1226	7
NO0090R	PCB_74	air+aerosol	pg/m^3	0.106	0.0706	0.179	0.113	0.0939	0.0348	0.0574	0.0386	0.112	0.121	0.109	0.165	0.1	7
NO0090R	PCB_99	air+aerosol	pg/m^3	0.154	0.112	0.276	0.206	0.168	0.0373	0.107	0.0459	0.123	0.132	0.108	0.185	0.1378	7
NO0090R	PFBS	air+aerosol	pg/m^3	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	50
NO0090R	PFHpA	air+aerosol	pg/m^3	0.0651	0.034	0.077	0.127	0.153	0.1832	0.136	0.073	0.057	0.057	0.056	0.053	0.0951	50
NO0090R	PFHxA	air+aerosol	pg/m^3	0.016	0.07	0.016	0.016	0.1298	0.1374	0.163	0.0847	0.016	0.016	0.113	0.016	0.0725	50
NO0090R	PFHxS	air+aerosol	pg/m^3	0.016	NaN	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	41
NO0090R	PFNA	air+aerosol	pg/m^3	0.0729	0.018	0.06	0.087	0.1116	0.1588	0.124	0.0181	0.052	0.038	0.034	0.037	0.0714	50

Site	Comp	Matrix	Unit	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Capture
NO0090R	PFOA	air+aerosol	pg/m^3	0.1375	0.048	0.089	0.158	0.2	0.2406	0.198	0.1269	0.094	0.086	0.117	0.092	0.1386	50
NO0090R	PFOS	air+aerosol	pg/m^3	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	45
NO0090R	PFOSA	air+aerosol	pg/m^3	0.016	NaN	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.017	0.0161	41
NO0090R	PFUnA	air+aerosol	pg/m^3	0.016	0.016	0.016	0.016	0.016	0.0198	0.026	0.016	0.016	0.016	0.016	0.018	0.0174	50
SE0014R	1234678_HpCDD	air+aerosol	pg/m^3	0.25	0.15	0.15	0.15	0.05	0.05	0.05	0.059	0.059	0.059	0.14	0.14	0.1008	39
SE0014R	1234678_HpCDF	air+aerosol	pg/m^3	0.13	0.086	0.086	0.086	0.036	0.036	0.036	0.045	0.045	0.045	0.051	0.051	0.055	39
SE0014R	123478_HxCDD	air+aerosol	pg/m^3	0.14	0.099	0.099	0.099	0.041	0.041	0.041	0.047	0.047	0.047	0.11	0.11	0.0747	39
SE0014R	123478_HxCDF	air+aerosol	pg/m^3	0.46	0.18	0.18	0.18	0.12	0.12	0.12	0.15	0.15	0.15	0.17	0.17	0.1572	39
SE0014R	1234789_HpCDF	air+aerosol	pg/m^3	0.014	0.007	0.007	0.007	0.004	0.004	0.004	0.006	0.006	0.006	0.006	0.006	0.0058	39
SE0014R	123678_HxCDD	air+aerosol	pg/m^3	0.24	0.15	0.15	0.15	0.06	0.06	0.06	0.054	0.054	0.054	0.14	0.14	0.102	39
SE0014R	123678_HxCDF	air+aerosol	pg/m^3	0.26	0.18	0.18	0.18	0.11	0.11	0.11	0.11	0.11	0.11	0.17	0.17	0.1433	39
SE0014R	12378_PeCDD	air+aerosol	pg/m^3	1.2	0.44	0.44	0.44	0.34	0.34	0.34	0.25	0.25	0.25	0.54	0.54	0.3982	39
SE0014R	12378_PeCDF	air+aerosol	pg/m^3	0.045	0.048	0.048	0.048	0.029	0.029	0.029	0.029	0.029	0.029	0.036	0.036	0.0356	39
SE0014R	123789_HxCDD	air+aerosol	pg/m^3	0.2	0.12	0.12	0.12	0.047	0.047	0.047	0.051	0.051	0.051	0.12	0.12	0.0853	39
SE0014R	123789_HxCDF	air+aerosol	pg/m^3	0.15	0.096	0.096	0.096	0.057	0.057	0.057	0.053	0.053	0.053	0.067	0.067	0.0688	39
SE0014R	234678_HxCDF	air+aerosol	pg/m^3	0.45	0.22	0.22	0.22	0.11	0.11	0.11	0.15	0.15	0.15	0.21	0.21	0.1745	39
SE0014R	23478_PeCDF	air+aerosol	pg/m^3	1.53	0.63	0.63	0.63	0.45	0.45	0.45	0.42	0.42	0.42	0.69	0.69	0.5545	39
SE0014R	2378_TCDD	air+aerosol	pg/m^3	0.15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1004	39
SE0014R	2378_TCDF	air+aerosol	pg/m^3	0.27	0.21	0.21	0.21	0.15	0.15	0.15	0.15	0.15	0.15	0.22	0.22	0.1831	39
SE0014R	BDE_100	air+aerosol	pg/m^3	0.0213	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.0201	100
SE0014R	BDE_153	air+aerosol	pg/m^3	0.0266	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.0251	100
SE0014R	BDE_154	air+aerosol	pg/m^3	0.0411	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.0401	100
SE0014R	BDE_209	air+aerosol	pg/m^3	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	0
SE0014R	BDE_47	air+aerosol	pg/m^3	0.1467	0.1334	0.138	0.1259	0.0511	0.341	0.0859	0.0771	0.071	0.0497	0.0501	0.057	0.11	100
SE0014R	BDE_85	air+aerosol	pg/m^3	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	100
SE0014R	BDE_99	air+aerosol	pg/m^3	0.0977	0.0954	0.061	0.0461	0.0288	0.111	0.0259	0.02	0.02	0.02	0.02	0.02	0.0467	100
SE0014R	aldrin	air+aerosol	ng/m^3	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	100
SE0014R	anthracene	air+aerosol	ng/m^3	0.0284	0.046	0.007	0.0079	0.0013	0.004	0.0021	0.0022	0.01	0.0079	0.0178	0.01	0.0118	100
SE0014R	benz_a_anthracene	air+aerosol	ng/m^3	0.1119	0.1713	0.019	0.0153	0.0038	0.011	0.0035	0.0054	0.015	0.011	0.0362	0.031	0.0353	100
SE0014R	benzo_a_pyrene	air+aerosol	ng/m^3	0.1029	0.173	0.03	0.0225	0.0108	0.037	0.016	0.0047	0.016	0.0119	0.0374	0.04	0.0409	100
SE0014R	benzo_b_fluoranthene	air+aerosol	ng/m^3	0.2517	0.3999	0.047	0.0358	0.0153	0.018	0.0068	0.0115	0.035	0.0259	0.0613	0.057	0.0783	100
SE0014R	benzo_ghi_perylene	air+aerosol	ng/m^3	0.1194	0.2078	0.023	0.0165	0.0104	0.005	0.0032	0.0072	0.022	0.0122	0.0372	0.032	0.0402	100
SE0014R	benzo_k_fluoranthene	air+aerosol	ng/m^3	0.0924	0.1303	0.017	0.0114	0.005	0.005	0.0022	0.0043	0.013	0.0093	0.0246	0.022	0.0274	100
SE0014R	chrysene	air+aerosol	ng/m^3	0.2427	0.3352	0.052	0.0389	0.0097	0.026	0.0092	0.012	0.032	0.0266	0.0741	0.068	0.0755	100
SE0014R	dibenzo_ah_anthracene	air+aerosol	ng/m^3	0.0183	0.0273	0.003	0.0024	0.0012	0.0007	0.0005	0.0009	0.0029	0.0018	0.0058	0.0049	0.0057	100
SE0014R	fluoranthene	air+aerosol	ng/m^3	0.7542	1.1693	0.25	0.1567	0.0306	0.13	0.0461	0.0616	0.14	0.1503	0.3027	0.32	0.2866	100

Site	Comp	Matrix	Unit	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Capture
SE0014R	inden_123cd_pyrene	air+aerosol	ng/m^3	0.1492	0.2464	0.03	0.0188	0.0105	0.006	0.0033	0.0075	0.024	0.0152	0.0405	0.037	0.0477	100
SE0014R	phenanthrene	air+aerosol	ng/m^3	1.4361	2.14	0.71	0.5887	0.2242	0.45	0.2065	0.2148	0.45	0.4881	0.888	0.81	0.7068	100
SE0014R	pyrene	air+aerosol	ng/m^3	0.47	0.6593	0.13	0.0927	0.0158	0.07	0.0235	0.0377	0.09	0.0881	0.1973	0.18	0.1678	100
SE0014R	FTS_6-2	air+aerosol	pg/m^3	0.1303	0.0537	0.102	0.0703	0.05	0.05	0.0514	0.0922	0.08	0.0852	0.0883	0.071	0.0771	100
SE0014R	gamma_HCH	air+aerosol	pg/m^3	1.1065	1.3907	1.92	2.48	1.3665	5.44	2.6458	3.9723	4.19	2.6261	1.386	1.49	2.5007	100
SE0014R	alpha_HCH	air+aerosol	pg/m^3	2.1052	2.2871	2.12	4.2013	1.4845	4.14	2.8181	4.0426	5.95	5.0132	2.9353	2.19	3.2707	100
SE0014R	HCB	air+aerosol	pg/m^3	35.6097	44.2857	35	22.8667	20.3226	14	30.9677	8.5161	12	14.3226	21.2	29	23.9121	100
SE0014R	OCDD	air+aerosol	pg/m^3	0.018	0.011	0.011	0.011	0.003	0.003	0.003	0.005	0.005	0.005	0.009	0.009	0.0071	39
SE0014R	OCDF	air+aerosol	pg/m^3	0.003	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0013	39
SE0014R	PCB_101	air+aerosol	pg/m^3	0.4345	0.4421	0.69	0.7143	0.3978	3.019	1.708	1.7442	2.117	1.1929	0.6017	0.405	1.1224	100
SE0014R	PCB_118	air+aerosol	pg/m^3	0.1543	0.1805	0.213	0.2401	0.1257	1.019	0.4171	0.5367	0.751	0.4261	0.2687	0.111	0.3696	100
SE0014R	PCB_138	air+aerosol	pg/m^3	0.27	0.2782	0.294	0.3677	0.2329	2.127	0.9263	0.8888	1.488	0.6157	0.1934	0.222	0.6576	100
SE0014R	PCB_153	air+aerosol	pg/m^3	0.4026	0.4149	0.453	0.5267	0.2778	2.591	1.3514	1.4209	1.92	0.9347	0.4223	0.32	0.9189	100
SE0014R	PCB_180	air+aerosol	pg/m^3	0.1121	0.0979	0.057	0.1083	0.0984	0.737	0.2727	0.3232	0.561	0.2045	0.1086	0.054	0.2273	100
SE0014R	PCB_28	air+aerosol	pg/m^3	0.625	0.8305	0.876	1.044	0.488	1.813	0.8612	0.7927	1.425	1.0384	0.7407	0.576	0.923	100
SE0014R	PCB_52	air+aerosol	pg/m^3	0.6516	0.8498	0.977	1.1469	0.68	3.041	1.7337	2.4005	2.107	1.3905	0.804	0.635	1.3679	100
SE0014R	PFBA	air+aerosol	pg/m^3	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	100
SE0014R	PFBS	air+aerosol	pg/m^3	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	100
SE0014R	PFDcA	air+aerosol	pg/m^3	0.0839	0.0962	0.086	0.0991	0.1495	0.192	0.1614	0.1845	0.107	0.0993	0.0885	0.111	0.1218	100
SE0014R	PFDcS	air+aerosol	pg/m^3	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	100
SE0014R	PFHpA	air+aerosol	pg/m^3	0.1742	0.1107	0.159	0.1777	0.151	0.3	0.2312	0.2285	0.151	0.1592	0.1663	0.168	0.1818	100
SE0014R	PFHxA	air+aerosol	pg/m^3	0.3681	0.3612	0.26	0.2376	0.2445	0.37	0.3514	0.4788	0.376	0.2903	0.2935	0.752	0.3658	100
SE0014R	PFHxS	air+aerosol	pg/m^3	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1155	0.1449	0.17	0.0736	100
SE0014R	PFNA	air+aerosol	pg/m^3	0.1933	0.1613	0.23	0.2356	0.1883	0.387	0.3003	0.3153	0.209	0.3143	0.2799	0.234	0.2547	100
SE0014R	PFOA	air+aerosol	pg/m^3	0.6057	0.4714	0.593	0.6201	0.6309	0.929	0.8066	0.7661	0.51	0.7508	0.6723	0.85	0.6858	100
SE0014R	PFOS	air+aerosol	pg/m^3	0.6424	0.4809	0.675	0.633	0.3878	0.797	0.599	0.8037	0.505	1.1273	0.9081	0.987	0.7143	100
SE0014R	PFOSA	air+aerosol	pg/m^3	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	100
SE0014R	PFUnA	air+aerosol	pg/m^3	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	100
SE0014R	pp_DDD	air+aerosol	pg/m^3	0.0202	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.049	0.0513	0.06	0.0285	100
SE0014R	pp_DDE	air+aerosol	pg/m^3	0.8219	1.0936	1.4	0.5973	0.3061	2.23	0.6255	1.3674	2.43	1.7732	1.0753	1.11	1.2332	100
SE0014R	pp_DDT	air+aerosol	pg/m^3	0.2039	0.2786	0.39	0.2033	0.1303	0.88	0.2797	0.4984	0.69	0.3713	0.3753	0.41	0.3919	100
SE0020R	anthracene	air+aerosol	ng/m^3	0.0097	0.0214	0.001	0.0001	0.0009	0	0	0.0001	0.001	0.0011	0.002	0.002	0.0032	100
SE0020R	benz_a_anthracene	air+aerosol	ng/m^3	0.1341	0.259	0.025	0.0045	0.0047	0.002	0.0011	0.0038	0.016	0.0072	0.0199	0.019	0.0399	100
SE0020R	benzo_a_pyrene	air+aerosol	ng/m^3	0.1366	0.2683	0.025	0.0063	0.0074	0.002	0.002	0.0045	0.021	0.0079	0.0281	0.029	0.0433	100
SE0020R	benzo_b_fluoranthene	air+aerosol	ng/m^3	0.3378	0.5442	0.066	0.0203	0.0188	0.008	0.0044	0.0134	0.05	0.0218	0.0613	0.063	0.0978	100
SE0020R	benzo_ghi_perylene	air+aerosol	ng/m^3	0.1984	0.3521	0.041	0.0167	0.0159	0.006	0.0051	0.01	0.037	0.0177	0.046	0.046	0.0641	100

Site	Comp	Matrix	Unit	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Capture
SE0020R	benzo_k_fluoranthene	air+aerosol	ng/m^3	0.1136	0.2105	0.022	0.0061	0.0065	0.002	0.0011	0.0041	0.018	0.0074	0.022	0.022	0.0351	100
SE0020R	chrysene	air+aerosol	ng/m^3	0.2508	0.4182	0.044	0.0095	0.0121	0.004	0.0031	0.0081	0.029	0.0121	0.033	0.033	0.0691	100
SE0020R	dibenzo_ah_anthracene	air+aerosol	ng/m^3	0.0288	0.0486	0.005	0.0013	0.0019	0.001	0.001	0.0007	0.002	0.0022	0.005	0.005	0.0083	100
SE0020R	fluoranthene	air+aerosol	ng/m^3	0.439	0.7093	0.05	0.0033	0.0281	0.01	0.001	0.0152	0.05	0.0223	0.04	0.04	0.1135	100
SE0020R	inden_123cd_pyrene	air+aerosol	ng/m^3	0.2097	0.3726	0.043	0.015	0.014	0.005	0.0032	0.0089	0.035	0.0165	0.0431	0.044	0.0655	100
SE0020R	phenanthrene	air+aerosol	ng/m^3	0.214	0.303	0.017	0.0025	0.0093	0.003	0.0017	0.0058	0.018	0.0081	0.018	0.018	0.0499	100
SE0020R	pyrene	air+aerosol	ng/m^3	0.2987	0.3836	0.04	0.0027	0.019	0.01	0.001	0.0139	0.04	0.0129	0.04	0.04	0.0732	100

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 (POP) total (wet+dry) deposition with funnel bottle (PAH)	4 weeks	Low vol. sampler (Leckel SEQ47/50) = 55m^3/day (PAH)	24h, once every 3 days (PAH)	SPE (spedex extraction) and GC-MS (PAH in deposition). ASE + GC-MS (PAH in air). Spedex Extraction(SPE) + GC-MSMS (POPs)
Germany	wet only	Monthly	High vol (filter + PU foam)	monthly	GC-MS
Spain	Bulk (precip + dry dep)	4 monthly campaigns in non-consecutive months	PM10, High vol	24h, once every 8 days	GC-MS
Great Britain			High Vol. Whatman GF filter + 2 PUR foams.5m^3/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. 20m^3/h	NO01: 24h a week NO42: 48h a week	GC-MS
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			CV-AFS
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 □m, 58 m³/day	daily	ICP-MS (aerosol) GF-AAS (precipitation)
Hg			TGM: monitor (Tekran)	continously	
Spain	wet only	Weekly	High-vol, PM10	24h a week	ICP-MS (aerosol) GF-AAS for precip
	Bulk	Monthly	TGM: monitor (Tekran)	continuously	
France	Bulk	Monthly			ICP-MS
Great Britain	Bulk	GB06,17: monthly GB13,91: weekly	PM10, low volume sampler	weekly	ICP-MS
Ireland	Bulk	Monthly	TGM: monitor (Tekran)	continuously	ICP-MS
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)	continuously	CV-AFS
Sweden	Bulk	Monthly	Low volume sampler, Teflon filter	monthly	ICP-MS
Hg	Bulk (Hg)	Bi-weekly	Hg: gold traps (TGM)	2 X 24 h a week	CV-AFS
			Hg: mini traps (TPM)	2 X 24 h a week	CV-AFS

GF-AAS: Graphic 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	NO_2: Chemiluminisence monitor Photolytic converter (BE0001,BE0032, BE035) Molybdenum converter (BE0011, BE0013) NH_3: passive sampler	hourly 4 weeks	spectrophotometry (discrete analyser)
Germany	wet only	weekly	NO_2: Chemiluminisence monitor, photolytic converter NH_3: low-cost-denuder NO_3^-, NH_4^+: LVS, $PM_{2.5}$, quartz filter	hourly weekly every 3rd day	NO2: FIA NH3: FIA IC
Denmark	wet only	biweekly	NO_2: Chemiluminisence monitor, molybdenum converter sumNO_3: Millipore RAWP, 1.2 □m impregnated Whatman 41, 58 m^3/day (filterpack) sumNH_4. Millipore RAWP, 1.2 □m acid impregnated Whatman 41, 58 m^3/day (filterpack)	hourly daily	NO3: IC NH4: Spect. (CFA)
Spain	wet only	NO_2: hourly sumNO_3 and sumNH_4: daily	NO_2: Chemiluminescence monitor, photolytic converter sumNO_3: NaOH impregnated Whatman 40 filter, 35 m^3/day sumNH_4: Oxalic acid impregnated Whatman 40 filter, 35 m^3/day		NH4: AAS NO3: IC
Great Britain	bulk	biweekly	NO_2: Chemiluminescence monitor, molybdenum converter sumNO_3 and NH4: Delta sampler (low volume denuder and filter pack)		IC
Ireland	bulk	daily			IC
Iceland	bulk	daily			IC
Netherlands	wet only	NL09: daily	NO_2: Chemiluminescence monitor, photolytic converter NH_3: Absorption in $NaHSO_4$, membrane separation	hourly hourly	NH3: conductivity
		NL91: biweekly	NO_3 and NH4: Whatman QMA filter 47 mm, 55.2 m^3/day	dauly	NO3: IC, NH4: CFA

Country	Precipitation		Air and aerosols		Laboratory method
	Field method	**Frequency**	**Field methods**	**Frequency**	
Norway	bulk	NO01 and NO39: daily	NO_2: NaI imp. Glass filters, 0.7m^3/day	daily	NO2: Spect., Griess method
		NO554,NO572 NO655:weekly	sumNO_3. Teflon filter+ KOH-impregnated Whatman 40 filter, 25 m^3/day (Filterpack)	daily	
			sumNH_4: Teflon filter + Oxalic acid-impregnated Whatman 40 filter, 25 m^3/day (Filterpack)		NH4,NO3: IC
Sweden	wet only	daily	NO_2: NaI-impregnated glass sinters, ~0.7 m^3/day	daily	Spectr. FIA
			SumNO_3: Mitex membrane + KOH-impregnated Whatman 40 filter, 20 m^3/day (filterpack)	daily	IC
			sum NH_4; Mitex membrane + Oxalic acid impregnated Whatman 40 filter, 20 m3/day (filterpack)	daily	Spectr. FIA

IC: ion chromatograph

CFA: continuous flow analysis

FIA. Flow injection analyisis

Annex 4

Detection limit

In precipitation	Unit	BE	DK	DE	NL	GB	IE	IS	NO	SE
NO_3^-	mgN/L	0.044	0.08	0.02	0.06	0.01			0.01	0.002
NH_4^+	mgN/L	0.039	0.02	0.001	0.05	0.01			0.01	0.01
As	ug/L	0.01	0.03	0.004	0.15	0.008			0.09	0.03
Cd	ug/L	0.06/0.05	0.008	0.001	0.03	0.002			0.009	0.002
Cr	ug/L	0.13/0.05	0.04	0.01	0.5	0.04			0.09	0.02
Cu	ug/L	0.87/0.5	0.05	0.01	0.4	0.02			0.09	0.01
Ni	ug/L	0.15/0.05	0.07	0.002	0.4	0.01			0.02	0.015
Pb	ug/L	0.06/0.8	0.07	0.001	0.4	0.06			0.06	0.02
Zn	ug/L	1.54/1.1			4	1			0.12	0.5
Hg	ng/L	0.36		0.5	2	0.001	25		0.2 ng abs.	0.04
□-HCH	ng/L			0.055 ng abs	0.4				0.01	0.01-0.04 ng/m^2, day
HCB, PCBs	ng/L								1-2	0.02-0.05 ng/m^2, day
PAHs	µg/m²/day	0.001-0.01			1 ng/L					0.0001 µg/m^2, day

In air and aerosols	Unit	BE	DK	DE	NL	GB	IE	IS	NO	SE
NO_2	µgN/m^3	0.58	3.1	0.1/0.03	0.4ppb	0.3-0.7			0.03	0.09
Sum (NO_3+HNO_3)	µgN/m^3		0.1						0.01	0.01
Sum (NH_4+NH_3)	µgN/m^3								0.05	0.01
NH_3	µgN/m^3	0.03	0.1	0.08		0.01				
HNO_3	µgN/m^3					0.01				
NH_4	µgN/m^3		0.1	0.08		0.02				
NO_3	µgN/m^3			0.002		0.01				
As	ng/m^3	0.1	0.07	0.01	0.5	0.021			0.003	0.06
Cd	ng/m^3	0.02/0.005	0.1	0.003	0.2	0.009			0.0006	0.008
Cr	ng/m^3	0.6/0.4				1.7			0.07	0.24
Cu	ng/m^3	1.0/0.9				0.11			0.03	0.6
Ni	ng/m^3	0.4/0.2	0.7	0.2	0.2	0.06			0.2	1
Pb	ng/m^3	0.3/0.2	0.4	0.05	2	0.10			0.05	0.28
Zn	ng/m^3	2.6/1.0			21.7	0.52			0.08	3.2
Hg (g)	ng/m^3					0.08			0.2 ng abs.	0.01
HCB, PCBs, HCHs	pg/m^3								0.05-0.8	0.03-0.08
PAHs	ng/m^3	0.002-0.007			0.001-0.02	0.01-0.03			ca 0.001	0.001-0,002

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